

Oracle® Application Integration Architecture

Installation and Upgrade Guide for Pre-Built Integrations

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Contents

Contents	iii
Chapter 1: Understanding the Installation Process	11
Using this Guide	11
The Basics.....	12
Software and Hardware Requirements	15
Recommended Topology	35
Chapter 2: Preparing for AIA Installation	37
Performing Pre-Installation Configurations	37
Preparing to Launch AIA Installer	40
Suppressing Validations of Participating Applications	41
Understanding the Installer Screens Sequence	42
Understanding Routing Rules Configuration in Enterprise Business Services.....	43
Installing Additional PIPs or Applying Patches.....	44
PIPs Co-deployment	45
Publishing Foundation Pack and PIP Content	45
Chapter 3: Installing Foundation Pack.....	47
AIA Installer Interview for Foundation Pack	47
Installing Foundation Pack	50
Performing Post-Installation Configurations.....	54
Chapter 4: Installing the Design to Release: Agile - EBS / PIM PIP	55
AIA Installer Interview for the Design to Release: Agile - EBS / PIM PIP	55
Performing Pre-Installation Configurations	58
Installing Foundation Pack and Design to Release: Agile - EBS / PIM PIP.....	59
Performing Post-Installation Configurations.....	62
Chapter 5: Installing Design to Release: Agile – SAP PIP	65
AIA Installer Interview for the Design to Release: Agile – SAP PIP.....	65
Installing and Configuring Oracle AS Adapter for SAP	67
Performing Pre-Installation Configurations	73
Installing Foundation Pack and Design to Release: Agile - SAP	73
Performing Post-Installation Configurations.....	77

Chapter 6: Installing the Design to Release: Agile PLM - JDE E1 PIP	79
Performing Pre-Installation Configurations	79
AIA Installer Interview for the Design to Release: Agile PLM - JDE E1 PIP	79
Installing Foundation Pack and Design to Release: Agile PLM - JDE E1 PIP	81
Performing Post-Installation Configurations	84
Chapter 7: Installing the Order to Cash: Siebel CRM - EBS PIP	87
AIA Installer Interview for the Order to Cash: Siebel CRM - EBS PIP	87
Installing Foundation Pack and Order to Cash: Siebel CRM - EBS PIP	91
Performing Post-Installation Configurations	95
Chapter 8: Installing the Order to Cash: Siebel CRM - SAP PIP	97
AIA Installer Interview for the Order to Cash: Siebel CRM - SAP PIP	97
Installing and Configuring Oracle AS Adapter for SAP	100
Performing Pre-Installation Configurations	107
Installing Foundation Pack and Order to Cash: Siebel CRM - SAP PIP	109
Performing Post installation Configurations	112
Chapter 9: Installing Siebel CRM to OIC Integration	115
Configuring Oracle Data Integrator	115
Creating Oracle Data Integrator Repositories	115
AIA Installer Interview for Siebel CRM to OIC	116
Installing Siebel CRM to OIC	120
Performing Post-Installation Configurations	125
Chapter 10: Installing the Customer MDM Base Pack	129
AIA Installer Interview for the Customer MDM Base Pack	129
Performing Pre-Installation Configurations	130
Installing Foundation Pack and Customer MDM Base Pack	130
Performing Post-Installation Configurations	133
Chapter 11: Installing Customer MDM: Siebel CRM	135
AIA Installer Interview for Customer MDM: Siebel CRM	135
Performing Pre-Installation Configurations	136
Installing Foundation Pack and Customer MDM: Siebel CRM	137
Chapter 12: Installing Customer MDM: EBS	141
AIA Installer Interview for Customer MDM: EBS	141
Performing Pre-Installation Configurations	142
Installing Foundation Pack and Customer MDM: EBS	143
Chapter 13: Installing Customer MDM: Comms BRM	147

AIA Installer Interview for Customer MDM: Comms BRM	147
Performing Pre-Installation Configurations	148
Installing Foundation Pack and Customer MDM: Comms BRM	148
Chapter 14: Installing Customer MDM: SAP	153
Installing and Configuring Oracle AS Adapter for SAP	153
AIA Installer Interview for Customer MDM: SAP	158
Performing Pre-Installation Configurations	160
Installing Foundation Pack and Customer MDM: SAP	161
Performing post-installtion configurations	164
Chapter 15: Installing the Product MDM Base Pack.....	167
AIA Installer Interview for the Product MDM Base Pack.....	167
Performing Pre-Installation Configurations	168
Installing Foundation Pack and Product MDM Base Pack.....	169
Performing Post-Installation Configurations.....	172
Chapter 16: Installing Product MDM: Siebel CRM.....	175
AIA Installer Interview for Product MDM: Siebel CRM.....	175
Installing Foundation Pack and Product MDM: Siebel CRM.....	176
Performing Post-Installation Configurations.....	180
Chapter 17: Installing Product MDM: EBS.....	181
AIA Installer Interview for Product MDM: EBS.....	181
Installing Foundation Pack and Product MDM: EBS.....	182
Performing Post-Installation Configurations.....	186
Chapter 18: Installing the Lead to Order: CRM OD - JDE E1 PIP.....	187
AIA Installer Interview for the Lead to Order: CRM OD - JDE E1 PIP	187
Installing Foundation Pack and Lead to Order: CRM OD - JDE E1 PIP.....	189
Performing Post-Installation Configurations.....	192
Chapter 19: Installing the Lead to Order: CRM OD - EBS PIP.....	195
AIA Installer Interview for the Lead to Order: CRM OD - EBS PIP	195
Performing Pre-Installation Configurations	198
Installing Foundation Pack and Lead to Order: CRM OD - EBS PIP.....	199
Performing Post-Installation Configurations.....	203
Chapter 20: Installing the Lead to Order: CRM OD - JDE World PIP.....	211
AIA Installer Interview for the Lead to Order: CRM OD - JDE World PIP.....	211
Installing Foundation Pack and Lead to Order: CRM OD - JDE World PIP.....	213
Performing Post-Installation Configurations.....	216

Chapter 21: Installing the Financials Ops Control: Oracle Retail - PSFT PIP	219
Configuring Oracle Data Integrator	219
Creating Oracle Data Integrator Repositories	220
AIA Installer Interview for the Financials Ops Control: Oracle Retail - PSFT PIP	220
Installing Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP	226
Performing Post-Installation Configurations	231
Chapter 22: Installing the Financials Ops Control: Oracle Retail - EBS PIP	237
Configuring Oracle Data Integrator	237
Creating Oracle Data Integrator Repositories	238
AIA Installer Interview for the Financials Ops Control: Oracle Retail - EBS PIP	238
Installing Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP	243
Performing Post-Installation Configurations	248
Chapter 23: Installing the Financial Accounting Hub for PSFT GL PIP	257
Configuring Oracle Data Integrator	257
Creating Oracle Data Integrator Repositories	257
AIA Installer Interview for the Financial Accounting Hub for PSFT GL PIP	258
Installing Foundation Pack and Financial Accounting Hub for PSFT GL PIP	263
Performing Post-Installation Configurations	267
Chapter 24: Installing the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP	271
Creating Oracle Data Integrator Repositories	271
AIA Installer Interview for Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP	271
Performing Pre-installation Configurations	275
Installing Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP	277
Performing Post-Installation Configurations	281
Chapter 25: Installing the Comms Order to Bill: Siebel CRM - BRM PIP	287
AIA Installer Interview for Comms Order to Bill: Siebel CRM - BRM PIP	287
Performing Pre-installation Configurations	289
Installing Foundation Pack and Comms Order to Bill: Siebel CRM - BRM PIP	291
Performing Post-Installation Configurations	295
Chapter 26: Installing the Comms Revenue Accounting: EBS - BRM PIP	301
Creating Oracle Data Integrator Repositories	301
AIA Installer Interview for Comms Revenue Accounting: EBS - BRM PIP	301
Installing Foundation Pack and Comms Revenue Accounting: EBS - BRM PIP	306
Performing Post-Installation Configurations	310

Chapter 27: Installing the LSP Financial Mgmt: OTM - EBS PIP	313
Performing Pre-installation Configurations.....	313
AIA Installer Interview for the LSP Financial Mgmt: OTM - EBS PIP.....	313
Installing Foundation Pack and LSP Financial Mgmt: OTM - EBS PIP	316
Performing Post-Installation Configurations.....	320
Chapter 28: Installing the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP	323
Performing Pre-installation Configurations.....	323
AIA Installer Interview for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP	323
Installing Foundation Pack and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP	327
Performing Post-Installation Configurations.....	331
Chapter 29: Installing the LSP Driver Mgmt: OTM - EBS PIP	339
Performing Pre-installation Configurations.....	339
AIA Installer Interview for the LSP Driver Mgmt: OTM - EBS PIP	339
Installing Foundation Pack and LSP Driver Mgmt: OTM - EBS PIP	342
Performing Post-Installation Configurations.....	346
Chapter 30: Installing the Demantra Sales and Ops Planning Integration for Hyperion Planning	349
Performing Pre-Installation Configurations	349
AIA Installer Interview for Demantra Sales and Ops Planning Integration for Hyperion Planning.....	350
Installing Demantra Sales and Ops Planning Integration for Hyperion Planning.....	354
Performing Post-Installation Configurations.....	357
Chapter 31: Installing VCP to JDE E1 Integration	363
Performing Pre-Installation Configurations	363
AIA Installer Interview for VCP to JDE E1 Integration	363
Installing Foundation Pack and VCP to JDE E1 Integration	368
Performing Post-Installation Configurations.....	372
Chapter 32: Installing the Workforce Administration for PeopleSoft HR	377
AIA Installer Interview for the Workforce Administration for PeopleSoft HR.....	377
Installing Foundation Pack and Workforce Administration for PeopleSoft HR	378
Performing Post-Installation Configurations.....	381
Chapter 33: Installing the Project Portfolio Management: Primavera P6-EBS Projects PIP ...	383
AIA Installer Interview for the Project Portfolio Management: Primavera P6-EBS Projects PIP	383
Installing Foundation Pack and Project Portfolio Management: Primavera P6-EBS Projects PIP	385

Performing Post-Installation Configurations	389
Chapter 34: Installing the Project Portfolio Mgmt: Primavera P6 - JDE E1	391
AIA Installer Interview for the Project Portfolio Management: Primavera P6 - JDE E1 PIP	391
Performing Pre-Installation Configurations	392
Installing Foundation Pack and Project Portfolio Management: Primavera P6 - JDE E1 PIP	393
Performing Post-Installation Configurations.....	396
Chapter 35: Installing the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP	399
AIA Installer Interview for the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical	399
Installing Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical	400
Performing Post-Installation Configurations.....	404
Chapter 36: Installing the Utilities Field Work PIP	409
AIA Installer Interview for the Utilities Field Work PIP	409
Installing Foundation Pack and Utilities Field Work	411
Chapter 37: Verifying the Installation.....	415
Review Installation / Patch information	415
Verifying File Creation and Logs	416
Verifying Foundation Pack Installation	417
Verifying Design to Release: Agile - EBS / PIM PIP Installation.....	418
Verifying Design to Release: Agile - SAP Installation	423
Verifying Design to Release: Agile PLM - JDE E1 PIP Installation.....	425
Verifying Order to Cash: Siebel CRM - EBS PIP Installation.....	427
Verifying Order to Cash: Siebel CRM - SAP PIP Installation.....	429
Verifying Siebel CRM to OIC Installation	430
Verifying Customer MDM Base Pack Installation.....	432
Verifying Customer MDM: Siebel CRM Installation.....	433
Verifying Customer MDM: EBS Installation.....	434
Verifying Customer MDM: Comms BRM Installation	434
Verifying Customer MDM: SAP Installation.....	435
Verifying Product MDM Base Pack Installation.....	436
Verifying Product MDM: Siebel CRM Installation.....	437
Verifying Product MDM: EBS Installation	438
Verifying Lead to Order: CRM OD - JDE E1 PIP Installation.....	438

Verifying Lead to Order: CRM OD - EBS PIP Installation	441
Verifying Lead to Order: CRM OD - JDE World PIP Installation	442
Verifying Financials Ops Control: Oracle Retail - PSFT PIP Installation	445
Verifying Financials Ops Control: Oracle Retail - EBS PIP Installation	452
Verifying Financial Accounting Hub for PSFT GL PIP Installation	458
Verifying Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP Installation.....	461
Verifying Comms Order to Bill: Siebel CRM - BRM PIP Installation	465
Verifying Comms Revenue Accounting: EBS - BRM PIP Installation	468
Verifying LSP Financial Mgmt: OTM - EBS PIP Installation	470
Verifying LSP Order Mgmt: OTM - EBS - Siebel CRM PIP Installation	471
Verifying LSP Driver Mgmt: OTM - EBS PIP Installation	473
Verifying Demantra Sales and Ops Planning Integration for Hyperion Planning Installation	475
Verifying VCP to JDE E1 Integration Installation	476
Verifying Workforce Administration for PeopleSoft HR Installation.....	479
Verifying Project Portfolio Management: Primavera P6-EBS Projects PIP Installation	485
Verifying Project Portfolio Management: Primavera P6 - JDE E1 PIP Installation	486
Verifying Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP Installation.	488
Verifying Utilities Field Work PIP	489
Setting up JDeveloper 10g for AIA	491
Chapter 38: Uninstalling Oracle AIA	493
Removing AIA Artifacts from the Service Registry.....	494
Removing PIP Specific Artifacts Published to the BSR	494
Uninstalling AIA from Oracle Application Server	495
Uninstalling DVMs and XREFs of PIPs	496
Uninstalling Siebel CRM to OIC ODI Artifacts.....	497
Uninstalling Financials Ops Control: Oracle Retail - PSFT PIP ODI Artifacts	498
Uninstalling Financials Ops Control: Oracle Retail - EBIZ PIP ODI Artifacts.....	500
Uninstalling Comms Agent Assisted Billing Care: Siebel CRM – BRM ODI Artifacts.....	502
Uninstalling Comms Revenue Accounting: EBS - BRM PIP ODI Artifacts	503
Uninstalling Demantra Sales and Ops Planning Integration for Hyperion Planning ODI Artifacts.....	505
Uninstalling VCP to JDE E1 Integration	505
Verifying Uninstall Processes.....	506
Chapter 39: Upgrading Oracle AIA	507
Understanding AIA Upgrade	507

Upgrading Foundation Pack.....	508
Upgrading the Design to Release: Agile - EBS / PIM PIP	511
Upgrading the Design to Release: Agile - SAP PIP	513
Upgrading the Order to Cash: Siebel CRM - EBS PIP	516
Upgrading the Oracle Customer Hub PIP	521
Upgrading the Oracle Product Hub PIP	523
Upgrading the Lead to Order: CRM OD - JDE E1 PIP	523
Upgrading the Financials Ops Control: Oracle Retail - PSFT PIP	525
Upgrading the Financial Accounting Hub for PSFT GL PIP	534
Upgrading the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP	536
Upgrading the Comms Order to Bill: Siebel CRM - BRM PIP	539
Upgrading the Comms Revenue Accounting: EBS - BRM PIP	541
Upgrading the LSP Financial Mgmt: OTM - EBS PIP	541
Upgrading the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP	548
Upgrading the LSP Driver Mgmt: OTM - EBS PIP	552
Upgrading Demantra Sales and Ops Planning Integration for Hyperion Planning	558
Performing Post Upgrade Tasks for AIA	559
Chapter 40: Deploying the Foundation Pack Demo	561
Setting the Environment	561
Starting the Demo Deployment	561
Verifying the Demo Deployment.....	562
Chapter 41: Undeploying the Foundation Pack Demo	563
Setting the Environment	563
Starting the Demo Undeployment	563
Verifying the Demo Undeployment	564
Chapter 42: Installing Reference Process Models.....	565
Understanding Reference Process Model Linkage to Business Service Repository.....	565
Understanding the Installation Process.....	567
Manually Uploading Reference Process Models to Business Process Publisher	568
Configuring the Redirect Servlet on Business Publisher	569
Appendix	571
Index	573

Chapter 1: Understanding the Installation Process

This guide provides an overview of the Oracle Application Integration Architecture (AIA) installation process. This guide covers installation and upgrades of Foundation Pack, Process Integration Packs (PIP) and Direct Integrations on Oracle Service-Oriented Architecture (SOA) Suite, which runs either on Oracle Application Server 10g release 3.

This chapter includes the following sections:

- Using this Guide
- The Basics
- Software and Hardware Requirements
- Recommended Topology

Using this Guide

Use this guide following the steps mentioned below for a faster and smoother installation or upgrade experience.

Installing Oracle AIA

If you are installing Oracle AIA then:

1. This guide is constantly updated and bug fixed. Search for *Oracle Application Integration Architecture 2.5: Installation and Upgrade Guide* in [Oracle MySOT](#) and download the latest version.
2. Search for *Oracle Application Integration Architecture 2.5: Known Issues and Workarounds* document in [Oracle MySOT](#) and download it.
3. Search for your PIP specific *Known Issues and Workarounds* documents in [Oracle MySOT](#) and download it/them.
4. Check hardware requirements.
5. Fulfill software requirements for Foundation Pack.
6. Fulfill software requirements for your PIP.
7. Fulfill pre-installation configurations.
8. Read *Preparing to Launch AIA Installer*.
9. Understand installation sequence.
10. Check PIP co-deployment.
11. Read *Publishing Foundation Pack and PIP Content*.

12. Complete the Installer Interview section for Foundation Pack.
13. Complete the Installer Interview section for your PIP.
14. Install Foundation Pack and PIPs.
15. Verify installation.
16. Install Reference Process Models.
17. Refer to your Implementation Guide for complete PIP implementations.
18. Refer to participating applications documentation and patches information.

Upgrading Oracle AIA

If you are upgrading Oracle AIA then:

1. This guide is constantly updated and bug fixed. Search for *Oracle Application Integration Architecture 2.5: Installation and Upgrade Guide* in [Oracle MySAP.com](#) and download the latest version.
2. Search for *Oracle Application Integration Architecture 2.5: Known Issues and Workarounds* document in [Oracle MySAP.com](#) and download it.
3. Search for your PIP specific *Known Issues and Workarounds* documents in [Oracle MySAP.com](#) and download it/them.
4. Check hardware requirements
5. Fulfill software requirements for Foundation Pack
6. Fulfill software requirements for your PIP
7. Read *Preparing to Launch AIA Installer*
8. Understand upgrade actions
9. Performing pre-upgrade activities
10. Upgrade Foundation Pack
11. Execute PIP upgrade scripts
12. Perform post-upgrade tasks for Foundation Pack
13. Perform post-upgrade tasks for PIPs

The Basics

AIA Installer is built on Oracle Universal Installer and enables you to install products included in AIA. AIA 2.5 includes Foundation Pack 2.5 along with the following PIPs and direct integrations:

- Agile Product Lifecycle Management Integration Pack for Oracle E-Business Suite: Design to Release 2.5 (Design to Release: Agile - EBS / PIM PIP).
- Agile Product Lifecycle Management Integration Pack for SAP: Design to Release 2.5 (Design to Release: Agile – SAP PIP).
- Oracle Design to Release Integration Pack for Agile Product Lifecycle Management and JD Edwards EnterpriseOne 2.5 (Design to Release: Agile PLM - JDE E1 PIP)

- Siebel CRM Integration Pack for Oracle Order Management: Order to Cash 2.5 (Order to Cash: Siebel CRM - EBS PIP).
- Oracle Order to Cash Integration Pack for Siebel CRM and SAP 2.5 (Order to Cash: Siebel CRM - SAP PIP)
- Siebel CRM Integration to Oracle Incentive Compensation 2.5 (Siebel CRM to OIC)
- Oracle Customer Master Data Management Integration Base Pack 2.5 (Customer MDM Base Pack)
- Oracle Customer Master Data Management Integration Option for Siebel CRM 2.5 (Customer MDM: Siebel CRM)
- Oracle Customer Master Data Management Integration Option for Oracle E-Business Suite 2.5 (Customer MDM: EBS)
- Oracle Customer Master Data Management Integration Option for Oracle Communications Billing and Revenue Management 2.5 (Customer MDM: Comms BRM)
- Oracle Customer Master Data Management Integration Option for SAP 2.5 (Customer MDM: SAP)
- Oracle Product Master Data Management Integration Base Pack 2.5 (Product MDM Base Pack)
- Oracle Product Master Data Management Integration Option for Siebel CRM 2.5 (Product MDM: Siebel CRM)
- Oracle Product Master Data Management Integration Option for Oracle E-Business Suite 2.5 (Product MDM: EBS)
- Oracle Product Master Data Management Integration Option for Oracle Communications Billing and Revenue Management 2.5 (Product MDM: Comms BRM)

For instructions on installation of this PIP refer to Oracle Product Master Data Management Integration Option for Oracle Communications Billing and Revenue Management 2.5: Installation Guide Addendum.

- Oracle CRM On Demand Integration Pack for JD Edwards EnterpriseOne: Lead to Order 2.5 (Lead to Order: CRM OD - JDE E1 PIP).
- Oracle Lead to Order Integration Pack for Oracle CRM On Demand and Oracle E-Business Suite 2.5 (Lead to Order: CRM OD – EBS PIP)
- Oracle Lead to Order Integration Pack for Oracle CRM On Demand and JD Edwards World 2.5 (Lead to Order: CRM OD - JDE World PIP)
- Oracle Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials: Financial Operations Control 2.5 (Financials Ops Control: Oracle Retail - PSFT PIP).
- Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandise Operations Management and E-Business Suite Financials 2.5 (Financials Ops Control: Oracle Retail – EBS PIP)
- Oracle Financials Accounting Hub (FAH) Integration Pack for PeopleSoft General Ledger 2.5 (Financial Accounting Hub for PSFT GL PIP).
- Siebel CRM Integration Pack for Oracle Communications Billing and Revenue Management: Agent Assisted Billing Care 2.5 (Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP).
- Siebel CRM Integration Pack for Oracle Communications Billing and Revenue Management: Order to Bill 2.5 (Comms Order to Bill: Siebel CRM - BRM PIP).
- Oracle Communications Billing and Revenue Management Integration Pack for Oracle E-Business Suite: Revenue Accounting PIP 2.5 (Comms Revenue Accounting: EBS - BRM PIP).
- Oracle Order to Activate Integration Pack for Siebel CRM and Oracle Communications Order and Service Management 2.5 (Comms Order to Activate: Siebel CRM - OSM PIP).

For instructions on installation of this PIP refer to Oracle Order to Activate Integration Pack for Siebel CRM and Oracle Communications Order and Service Management 2.5: Installation Guide Addendum.

- Oracle Financial Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 2.5 (LSP Financial Mgmt: OTM – EBS PIP)
- Oracle Order Management Integration Pack for Oracle Transportation Management, Oracle E-Business Suite, and Siebel CRM 2.5 (LSP Order Mgmt: OTM - EBS - Siebel CRM PIP)
- Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 2.5 (LSP Driver Mgmt: OTM – EBS PIP)
- Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning 2.5 (Demantra Sales and Ops Planning Integration for Hyperion Planning).
- Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne 2.5 (VCP to JDE E1 Integration)
- Oracle Workforce Administration Integration Pack for PeopleSoft Human Resources 2.5 (Workforce Administration for PeopleSoft HR)
- Oracle Project Portfolio Management Integration Pack for Primavera P6 and Oracle E-Business Suite 2.5 (Project Portfolio Management: Primavera P6-EBS Projects PIP)
- Oracle Project Portfolio Management Integration Pack for Primavera P6 and JD Edwards EnterpriseOne 2.5 (Project Portfolio Management: Primavera P6 - JDE E1 PIP)
- Oracle Study, Subject, and Visit Synchronization Integration Pack for Siebel Clinical and Oracle Clinical 2.5 (Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP)
- Oracle Process Integration Pack for Oracle Utilities Field Work 2.5 (Utilities Field Work PIP).
- Foundation Pack provides:
 - Standard business data object/service definitions: Enterprise Business Services (EBSs), Enterprise Business Objects (EBOs), and Enterprise Business Messages (EBMs).
 - Core Infrastructure components that include the Composite Application Validation System (CAVS), Business Service Repository (BSR), Error Handling and Logging Framework, and Diagnostics Framework.
 - Oracle's best-practice service-oriented architecture (SOA) programming model and the AIA reference architecture, which are based on a profound service-oriented foundation running on Oracle's best-in-class Fusion Middleware.

For more information about core infrastructure components, see Oracle Application Integration Architecture – Foundation Pack 2.5: Core Infrastructure Components Guide.

Using AIA Installer, you lay down the files associated with selected AIA components. You can also use AIA Installer to uninstall AIA.

AIA Installer is platform independent.

For information about system requirements and supported platforms for Oracle Application Integration Architecture 2.5, search for System Requirements and Supported Platforms for Oracle Application Integration Architecture 1.0 - 2.x on <http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html> and download the xls file.

Related AIA Documentation

1. Oracle Application Integration Architecture – 2.5: Product-to-Guide Index.

Provides the list of documentation relevant to each product in Oracle AIA 2.5.

2. Oracle Application Integration Architecture - Foundation Pack 2.5 Guides

Oracle AIA Foundation Pack guides include the Concepts and Technologies Guide, Core Infrastructure Components Guide, Integration Developer's Guide, and Getting Started with the Oracle AIA Foundation Pack and Demo.

3. Oracle Application Integration Architecture - Enterprise Object Library 2.5 Guides

Oracle AIA Enterprise Object Library guides include the Enterprise Business Objects and Messages XML Naming and Design Rules Guide and UML Profile for CCTS Enterprise Business Objects Guide.

4. Oracle Application Integration Architecture – Reference Process Models 2.5: Reference Process Guide

Provides details about the Business Process models included with the release.

5. PIP Implementation Guides.

Software and Hardware Requirements

This section details the software and hardware requirements for AIA.

Software Requirements for Foundation Pack

Foundation Pack is a prerequisite for installing PIPs. You need to fulfill the software requirements of Foundation Pack before you install PIPs. Foundation Pack requires:

Note: Wherever numbered, install the Software in the same order.

1. Oracle Database. For complete database certification for Foundation Pack on each platform, refer to Certification Information for OAS 10 g Release 3 (10.1.3).
2. Oracle SOA Suite 10 g Release 3 (10.1.3.4 + MLR#8 or later). Use Advanced Installation option and select J2EE, the web server, and Oracle SOA Suite.

This version of AIA is tested and certified on 10.1.3.4 MLR#8 (Patch 8372150). You need to apply these additional patches over MLR#8:

5507491

7692665

8467560

8533397

Note: Before you apply patch 8533397, perform the following tasks.

1. Download OUI 10.1.0.6.0 (patch 6640838) and install it on the Oracle home with all components listed on screen.
2. Download latest 10.1 Opatch (Patch 6880880) and install it on the Oracle home.

8644645

For the latest patch requirements, see the AIA product category available from the Knowledge Browser page of My Oracle Support.

- Oracle Service Registry (OSR) 10.3.0.0 if you are installing on Oracle Application Server (optional).

Note: OSR is an optional component for AIA Foundation Pack and/or Process Integration Packs. You can install and use AIA products without OSR. If you want to use OSR to manage only AIA objects and services at runtime, a Restricted Use License (RUL) of OSR is included. The RUL allows you to view/edit objects and services included with AIA products. If you want to use OSR to manage other content than standard out-of-the-box AIA artifacts, you need to purchase a Full Use License (FUL) of OSR. For license details on OSR.

- For IBM AIX Based Systems, download jaxb-xalan-1.5.jar from the Internet (for example) and copy it to jdk/jre/lib/ext.
- After installing AIA Foundation Pack, apply the patch 9247257 before you deploy PIPs.

Interim Patch Process

Any interim patches that you receive for AIA can be applied using Oracle's interim patch installer, OPatch.

- For OPatch document list check My Oracle Support Note 293369.1.
- You can find the latest version of OPatch at My Oracle Support Note 224346.1.
- For instructions on how to download and install OPatch check My Oracle Support Note 274526.1.

Note: Contact the Oracle Support team for post GA patches.

Software Requirements for the Design to Release: Agile - EBS / PIM PIP

In addition to the Foundation Pack software requirements, the Design to Release: Agile - EBS / PIM PIP requires:

1. One of the following Agile Product Lifecycle Management releases:

9.2.2.x

9.3.0.X

9.3.1, with patch 10378919.

If you are using 9.3.x with Variant Management, apply patch 9233009.

Note: If you are using Agile 9.3.1 on Weblogic and if you are using an Oracle RAC database for the FMW server, the database driver in Agile must be a thin client driver, not an XA driver, which is the default when creating a new data source in Agile.

Note: When you upgrade Agile from a previous version to 9.3.1, uninstall and install the PIP before you apply this patch. This patch does not support upgrade of existing PIP deployment.

For more information about deploying Design to Release: Agile - EBS / PIM PIP extensions, see .

2. One of the following Oracle E-Business Suite: Discrete Manufacturing:

EBS 11i – 11.5.10CU2 + 11i.ATG_PF.H.RUP4 with patches 4676589 and 8640254.

EBS 12.1.1 or 12.1.1 with PIM with patch 8640262:R12.INV.B.

EBS 12.1.1 or 12.1.1 with PIM and Agile PLM VM option with patches 8640262:R12.INV.B and 8622332:R12.CZ.B.

Note: Before installing or upgrading the PIP with Oracle EBS release version 12.1.1 PIM, apply 8640262:R12.INV.B patch.

Bounce the Ebiz instance middle tier after applying 8622332:R12.CZ.B patch.

EBS 12.1.2 or 12.1.2 with PIM with patches - 8942177:R12.ITM.C (needed for a regression), 8941665:R12.EGO.C, 8839091:R12.BOM.C, 9535244:R12.ENG.C, 9335882:R12.INV.B , 9548336:R12.ITM.C, 9945332:R12.INV.B and 10397048:R12.INV.B.

For EBS 12.1.2 with PIM you require the following additional patches: 9070077:R12.OWF.B and 9453520:R12.OWF.B.

EBS 12.1.3 with patches 9945332:R12.INV.B, 10397048:R12.INV.B and 11654417:R12.ITM.C.

Software Requirements for the Design to Release: Agile – SAP PIP

In addition to the Foundation Pack software requirements, the Design to Release: Agile - SAP requires:

1. Agile Product Lifecycle Management 9.2.2.6 on Oracle Application Server 10.1.3.4.

Note: If you are using Agile 9.3.1 on Weblogic and if you are using an Oracle RAC database for the FMW server, the database driver in Agile must be a thin client driver, not an XA driver, which is the default when creating a new data source in Agile.

For more information about deploying Design to Release: Agile - SAP extensions, see .

Product	Description
Oracle AS Adapter for SAP v10.1.3.1.0	This acts as an interface between AIA and SAP system. Refer to section for the complete list of patches to be applied.

Software Requirements for the Design to Release: Agile PLM - JDE E1 PIP

In addition to the Foundation Pack software requirements, the Design to Release: Agile PLM - JDE E1PIP requires:

1. Agile Product Lifecycle Management 9.2.2.6 on Oracle Application Server 10.1.3.4.
2. Agile Product Lifecycle Management 9.3.1 on Oracle Application Server 10.1.3.4. For 9.3.1 support, apply PIP patch 10371897.

Note: If you are using Agile 9.3.1 on Weblogic and if you are using an Oracle RAC database for the FMW server, the database driver in Agile must be a thin client driver, not an XA driver, which is the default when creating a new data source in Agile.

Note: When you upgrade Agile from a previous version to 9.3.1, uninstall and install the PIP before you apply this patch. This patch does not support upgrade of existing PIP deployment.

For more information about deploying Design to Release: Agile PLM - JDE E1extensions, see .

3. JD Edwards EnterpriseOne applications release 9.0
4. JD Edwards EnterpriseOne tools release 8.98.1.
5. JD Edwards EnterpriseOne electronic software updates (ESUs) are included in the file V17359-01.zip

This file is available [on eDelivery](#).

The link for the same is as follows:

The zip file includes these JD Edwards EnterpriseOne application ESUs:

- JL12014 [Baseline ESU (Xerces)]
- JL12887
- JL12913

Software Requirements for the Order to Cash: Siebel CRM - EBS PIP

In addition to the Foundation Pack software requirements, the Order to Cash: Siebel CRM - EBS PIP requires:

- Siebel CRM 8.0.0.10 FP (patch 10016428) with ACR 508 or Siebel 8.1.1.3 FP (patch 9882361) with ACR 508.
- Oracle E-Business Suite version 11.5.10.2 or 12.1.1 or 12.1.2 or 12.1.3.

List of patches for Oracle E-Business Suite 11.5.10.2:

Product	My Oracle Support Patch Number	Description
ATP	4639052	11.5.10 ATP ROLLUP #7 PATCH
ATP	7170316	ATP PATCH TO SUPPORT ATP THROUGH BPEL PROCESS (O2C2)
Advanced Product Catalog	8263652	CREATE LOAD EVENT AND SCRIPTS TO GENERATE LOAD EVENT FOR EGO ITEM
BOM	7034701	Configuration items do not get synced to Siebel.
Application Install	6502082	AD.I.6
Configurator	6468610	Build 25.42
Customer	3618299	Patch 11i.HZ.N
Customer	4280097	HZ.N ONEOFF: CHANGES TO DSS TO ADD RESTRICTION OPTION FOR PARTY MERGE ON SUBMISSION
Customer	5046954	BACKPORT INTEGRATION SERVICES TO 11i
Customer	6434556	HZ.N ONEOFF: ORDER 2 CASH PHASE 2 CDH CHANGES
Install Base/ALM/Asset	7159524	O2C2 IB CONSOLIDATE PATCH
Install Base/ALM/Asset	7682665	CREATE ASSET EVENTS ARE NOT RAISED
Install Base/ALM/Asset	7699277	ATO ITEM INSTANCES – CREATE & UPDATE EVENTS ARE NEEDED FOR HIERARCHY CREATION
Install Base/ALM/Asset	7239642	EVENTS NOT RAISED FOR STATUS UPDATE OF CHILD COMPONENTS IN PTO MODEL
Install Base/ALM/Asset	7313962	ORIGINAL_COST IN THE VIEW

Product	My Oracle Support Patch Number	Description
		CSI_ASSET_INTEGRATION_V IS DIFFERENT IF MANUAL OVERRID
Install Base/ALM/Asset	5310177	OKS 11.5.10 ROLLUP PATCH 4
Order Management	4665900	This is the OM Prerequisite Patch (OMPRP) for 11.5.10 customers. This includes multiple critical and recommended OM code fixes as of Oct 2005. This patch is highly recommended for all 11i10 Order Management customers.
Order Management	8526377	Order Management OM R11I10 RUP FOR Order to Cash: Siebel CRM - EBS PIP 2.5
PaymentAuth	6846210	O2C2: 11I.10CU2 WRAPPER FOR APPS.IBY_PAYMENT_ADAPTER_PUB.ORAPMTREQ REQUESTED
Projects Suite (pj_pf)	3074777	FAMILY PACK 11I.PJ_PF.L
Product Workbench (dna)	4301876	DNA ADSPLICE CHECKIN
PLM	4203793	Patchset 11I.PLM_PF.E
PLM	7037537	11I.PLM_PF.E: CUMULATIVE ROLLUP PATCH E14
Price Lists	6831380	New View CRMINTG_PRICELIST_V need to be created for Order to Cash Phase II AIA Integration
Shipping Execution	8932422	Shipping API to provide the delivery detail attributes for order or line
Trading Community	7171816	BO API: GET_ORG_CUSTS_UPDATED RETURNS PL/SQL NUMERIC OR VALUE ERROR
Trading Community	8769578	FOR BACKPORTING FIX OF 8745333 TO 11I

☐ List of patches for Oracle E-Business Suite R12.1.1 or 12.1.2 or 12.1.3.

Product	My Oracle Support Patch Number	Description
Advanced Product Catalog	8313714:R12.EGO.C	FP - CREATE LOAD EVENT AND SCRIPTS TO GENERATE LOAD EVENT FOR EGO ITEM
TCA (Customer)	8253604:R12.HZ.B	AIA: HZ_AIA_CUSTOM_PKG RAISES UNHANDLED EXP DUE

Product	My Oracle Support Patch Number	Description
		TO QUERY MISSING ORG STRIPE
Install Base/ALM/Asset	7156553:R12.CSI.B	FP11.5.10-12.1 O2C2: EVENT GETTING RAISED FOR NON-CUSTOMER ITEM INSTANCE DURING
BOM (Bill of Materials)	8305535:R12.BOM.C	BUSINESS EVENT NOT RAISED WHILE CREATING CONFIGURATION ITEMS
Order Management	8516700:R12.ONT.B	Order Management R12.1 RUP FOR Order to Cash: Siebel CRM - EBS PIP 2.5
Order Management	8459502:R12.ONT.B	A mandatory prerequisite. All customers should apply it before using Order to Cash: Siebel CRM - EBS PIP 2.4 on E-Business Suite release 12.1.
Shipping Execution	8590113:R12.WSH.B	Shipping api to provide all delivery detail attribute values for a sales order or a sales order line.
Trading Community	8745333:R12.HZ.B	CONTACT UPDATE USING HZ_AIA_CUSTOM_PKG.SYNC_ACCOUNT_ORDER DOESN'T WORK W/O ADDRESS
ONT	9210633:R12.ONT.B	This is Oracle Order Management Roll-Up # 2 patch for AIA/O2C 2.5 PIP (on R12.1 code line)

- Oracle Transportation Management 5.5 CU5.

This participating application is required only if you plan to use the Shipping Charges integration flow that fetches shipping charges from Oracle Transportation Management.

Software Requirements for Siebel CRM for SAP Sales & Distribution: Order to Cash PIP

In addition to the Foundation Pack software requirements, the Siebel CRM for SAP Sales & Distribution: Order to Cash PIP requires:

- Siebel CRM 8.0.0.10 FP (patch 10016428) with ACR 508 or Siebel 8.1.1.3 FP (patch 9882361) with ACR 508.
- SAP ECC 6.0. or SAP R/3 4.7.

Software Requirements for Siebel CRM to OIC

In addition to the Foundation Pack software requirements, the Siebel CRM to OIC integration requires:

- Oracle E-Business Suite R12.1.1 with these patches:

Product	My Oracle Support Patch Number	Description
Oracle E-Business Suite Integration	8611764:R12.HZ.B	EBI: 12.1.1 EBS PATCH TO SUPPORT SIEBEL OIC PIP 2.5
Oracle Incentive Compensation	8904003:R12.CN.B	12.1.1 OIC PATCH TO SUPPORT SIEBEL OIC PIP 2.5
Oracle Incentive Compensation	8918365:R12.CN.B	12.1.1 PATCH TO SUPPORT SIEBEL OIC PIP 2.5 - Drop 1
Oracle Resource Manager	8560891:R12.HZ.B	12.1.1 : ORACLE RESOURCE MANAGER PATCH TO SUPPORT SIEBEL OIC PIP 2.5
Oracle Resource Manager	8915500:R12.HZ.B	JTF_RS_RESOURCE_UTL_PUB IS NOT RETURNED PROPER STATUS
Siebel CRM Integration to Oracle Incentive Compensation (sblcrmcn)	9010091	ONE-OFF PATCH FOR SIEBEL CRM INTEGRATION TO ORACLE INCENTIVE COMPENSATION 2.5

- Siebel 8.1.1.x SIA
- Oracle Data Integrator 10.1.3.5.3

Software Requirements for the Customer MDM Base Pack

In addition to the Foundation Pack software requirements, the Customer MDM Base Pack requires:

- Oracle Customer Hub (Siebel UCM) 8.1.1.1 FP (patch 8756221) for ACR 437.

Software Requirements for the Customer MDM: Siebel CRM

In addition to the Foundation Pack software requirements, the Customer MDM: Siebel CRM requires any one of the following:

- Siebel 8.0.0.10 FP (patch 10016428) with ACR 437 or Siebel 8.1.1.3 FP (patch 9882361) with ACR 437.

Software Requirements for the Customer MDM: EBS

In addition to the Foundation Pack software requirements, the Customer MDM: EBS requires any one of the following:

- Oracle E-Business Suite, version 12.1.1, with the following patch applied (or)

Product	My Oracle Support Patch Number	Description
TCA	8253604:R12.HZ.B	AIA: HZ_AIA_CUSTOM_PKG RAISES UNHANDLED EXP DUE TO QUERY MISSING ORG STRIPE

- Oracle E-Business Suite, version 11.5.10.CU2 with the following patches applied:

Product	My Oracle Support Patch Number	Description
Customer	3618299	Patch 11i.HZ.N
Customer	4280097	HZ.N ONEOFF: CHANGES TO DSS TO ADD RESTRICTION OPTION FOR PARTY MERGE ON SUBMISSION
Customer	5046954	BACKPORT INTEGRATION SERVICES TO 11i
Customer	6434556	HZ.N ONEOFF: ORDER 2 CASH PHASE 2 CDH CHANGES
Trading Community	7171816	BO API: GET_ORG_CUSTS_UPDATED RETURNS PL/SQL NUMERIC OR VALUE ERROR
Trading Community	7209179	TCA API ENHANCEMENT NEEDED FOR AIA MDM PROJECT (PERSON)
Trading Community	7510070	AIA MDM: SQL FILE TO CREATE SUSBCRIBERS TO PERSON CUSTBO EVENTS

Software Requirements for the Customer MDM: Comms BRM

In addition to the Foundation Pack software requirements, the Customer MDM: Comms BRM requires:

- BRM 7.4 PS4 (patch 9675886)

Software Requirements for the Customer MDM: SAP

In addition to the Foundation Pack software requirements, the Customer MDM: SAP requires:

- Siebel 8.0.0.10 FP (patch 10016428) with ACR 437 or Siebel 8.1.1.3 FP (patch 9882361) with ACR 437.
- SAP ECC 6.0. or SAP R/3 4.7

Software Requirements for the Product MDM Base Pack

In addition to the Foundation Pack software requirements, the Product MDM Base Pack PIP requires:

- Oracle Product Hub 12.1.3
- Oracle Product Hub 12.1.2 with the following patch.

Product	My Oracle Support Patch Number	Description
Oracle Product Hub	9342499:R12.EGO.C	PIM POST GA FIXES FOR AIA Product MDM 2.5

- Oracle Product Hub version 12.1.1 with the patches.

Product	My Oracle Support Patch Number	Description
Oracle Product Hub	8897510:R12.PLM_PF.B	ORACLE PRODUCT HUB FOR COMMUNICATIONS, RELEASE 12.1.1
Oracle Product Hub	8919063:R12.PLM_PF.B	PIM Publication Feature Patch
Oracle Product Hub	9342499:R12.EGO.C	PIM POST GA FIXES FOR AIA Product MDM 2.5

After installation the of second patch in the list, you need to configure Oracle Product Hub web services on a application server, preferably on the SOA FMW where AIA is installed. Please refer to note 888696.1 on My Oracle Support for this configuration.

Software Requirements for Product MDM: Siebel CRM

In addition to the Foundation Pack software requirements, the Product MDM: Siebel CRM requires:

- Siebel 8.1.1.3 FP (patch 9882361) with ACR 474.

Software Requirements for Product MDM: EBS

In addition to the Foundation Pack software requirements, the Product MDM: EBS requires:

- Oracle E-Business Suite 11.5.10.2 with the following patches applied:

Product	My Oracle Support Patch Number	Description
PLM	7563732	EBI: 11i EBIZ patch to support Agile PLM Integration Pack 2.5 for Oracle E-Business Suite: Design to Release
PLM	7450177	PATCH FOR BOM AIA BPOL OBJECTS

Or

- Oracle E-Business Suite 12.1.1 with the following patches

Product	My Oracle Support Patch Number	Description
PLM	8481493:R12.BOM.C	PATCH FOR BOM AIA BPOL OBJECTS

Software Requirements for the Lead to Order: CRM OD - JDE E1 PIP

In addition to the Foundation Pack software requirements, the Lead to Order: CRM OD - JDE E1 PIP requires that you install additional software and software updates. The items that you must install differ, depending on the JD Edwards EnterpriseOne release you are using.

If you are using JD Edwards EnterpriseOne 8.12, you must install:

- CRM On Demand release 16 or higher.
- JD Edwards EnterpriseOne applications release 8.12 or higher.
- JD Edwards EnterpriseOne tools release 8.97.2.1 or higher.
- JD Edwards EnterpriseOne electronic software updates (ESUs), which are included in this zip file:

Oracle Application Integration Architecture JDE E1 8.12 patches for JDEE1 CRMOD PIP 2.5.zip

You can retrieve this file by searching for part number V17874-01 on <http://edelivery.oracle.com/>.

The file includes these JD Edwards EnterpriseOne tools ESUs, which should be installed in the order listed here:

1. Install Planner ESU JK17693.

Complete the manual special instructions that are included with this ESU.

Complete installation workbench for DV environment

2. Apply planner ESU JK17693.
3. Install and apply tools baseline ESU JK14530.
4. Deploy the TLAPP01_20_99 ESU using change assistant and follow the automated special instructions.
5. Install and apply the reference ESU JK14543.
6. Install and apply ESU JK17733.

The zip file also includes these application ESUs, which should be applied in the order listed here:

1. JK18016 (baseline)
2. JK18451
3. JK16463
4. JK11064 (baseline)
5. JK14969 (baseline)
6. JK17351
7. JK18006
8. JK16694
9. JK16517
10. JK16611 (baseline)
11. JK14058
12. JK18506
13. JK18717

If you are using JD Edwards EnterpriseOne 9.0, you must install:

- CRM On Demand release 16 or higher.
- JD Edwards EnterpriseOne applications release 9.0 or higher.
- JD Edwards EnterpriseOne tools release 8.98.1 or higher.
- JD Edwards EnterpriseOne electronic software updates (ESUs), which are included in the following file:

Oracle Application Integration Architecture JDE E1 9.0 patches for JDEE1 CRMOD PIP 2.5.zip

You can retrieve this file by searching for part number V17869-01 on <http://edelivery.oracle.com/>

The file includes these JD Edwards EnterpriseOne ESUs. You must install numbers 1 through 3 in the order specified here. Numbers 4 through 12 can be installed in any order.

1. JL11051
2. JL12014
3. JL13114
4. JL12258

5. JL12247
6. JL12060
7. JL12015
8. JL12013
9. JL12012
10. JL12004
11. JL11935
12. JL12621

Note: Oracle recommends that you always install the latest 9.0 planner ESU that is available. The planner ESU listed here was the most current at the time of publication.

Software Requirements for the Lead to Order: CRM OD - EBS PIP

In addition to the Foundation Pack software requirements, the Lead to Order: CRM OD - EBS PIP requires:

- CRM On Demand release 16 or later.
- Oracle E-Business Suite R12.1.1 with the following patches:

Product	My Oracle Support Patch Number	Description
Advanced Product Catalog	8313714:R12.EGO.C	Batch load product
Customers Online	7646994:R12.IMC.B	360 degree view page enhancements
Order Capture	8607620:R12.ASO.B	Provide Create Quote service to support OnDemand integration
Order Management	8516700:R12.ONT.B	OM R12.1 RUP for O2C 2.5
Order Management	8722776:R12.ONT.B	Resolves the issue of Quote detail generating an error in OIP when Bill To information is missing
Receivables	8313700:R12.AR.B	Batch load customer
TCA	8253604:R12.HZ.B	AIA: HZ_AIA_CUSTOM_PKG raises unhandled exp due to query missing org stripe
Trading Community	8745333:R12.HZ.B	R121 Ebis Environment Patch

- Oracle E-Business Suite R11.5.10.2 with the following patches:

Product	My Oracle Support Patch Number	Description
Advanced Product Catalog	7037537	11i.PLM_PF.E:CUMULATIVE ROLLUP PATCH E14
Advanced Product Catalog	8263652	Batch load product events
Customer	3618299	Patch 11i.HZ.N
Customer	4280097	HZ.N Oneoff: Changes to DSS to add restriction option for party merge on submission
Customer	5046954	Backport integration services to 11i
Customer	6434556	HZ.N Oneoff: Order 2 Cash Phase 2 CDH Changes
Customers Online	5398458	ER: Need to view Quotes created for a contact in OCO Transaction Viewer
Customers Online	7624043	360 degree view page enhancements
Order Capture	4252536	11.5.10.3R : Oracle order capture rollup 3 on 11i.aso.m
Order Capture	8342295	Need ASO patch for IStore bug#7488829
Order Capture	8607610	BR11510: Create Quote service to support OnDemand Integration
Order Management	4665900	This is the OM Prerequisite Patch (OMPRP) for 11.5.10 customers. This includes multiple critical and recommended OM code fixes as of Oct 2005. This patch is highly recommended for all 11i10 Order Management customers.
Order Management	5118218	July 2006, Order Management (11.5.10) cumulative patch
Order Management	8526377	OM R11110 RUP for O2C 2.5
Product Lifecycle Management	4203793	Patchset 11i.PLM_PF.E
Quoting	8296455	BR11510: DIEBOLD ER 7375446 (qualified price list)
Receivables	8263544	Batch load customer events
Siebel OnDemand	6403464	11.x Ebis Environment Patch
Trading Community	7171816	BO API: GET_ORG_CUSTS_UPDATED returns PL/SQL Numeric or Value

Product	My Oracle Support Patch Number	Description
		Error
Trading Community	8769578	11510 Ebis Environment Patch

Software Requirements for the Lead to Order: CRM OD - JDE World PIP

In addition to the Foundation Pack software requirements, the Lead to Order: CRM OD - JDE World PIP requires:

- CRM On Demand release 16.
- JD Edwards World A9.2
- JD Edwards World Web Enablement A9.1/A9.2 Software Update A928904004
- JD Edwards World Service Enablement A9.2 Software Update A928932734
- JD Edwards World A9.2 Software Update A928924878
- JD Edwards World A9.2 Software Update A928926322

Software Requirements for the Financials Ops Control: Oracle Retail - PSFT PIP

In addition to the Foundation Pack software requirements, the Financials Ops Control: Oracle Retail - PSFT PIP requires:

- Oracle Retail Merchandising Suite:

Oracle Retail Merchandising System 13.1.4 and 13.2

Oracle Retail Invoice Matching 13.1.4 and 13.2

Oracle Retail Integration Bus 13.1.4 and 13.2

☐ PeopleSoft Financials 9.0 plus with resolutions 791023 applied first then 801426 and 776755.

- PeopleTools 8.49.19.
- Oracle Data Integrator 10g (10.1.3.5.3) with the following patches applied:

Product	My Oracle Support Patch Number	Description
ODI 10.1.3.5.3	8786991	Oracle Data Integrator: Cumulative Patch: 10.1.3.5.3
Db2jcc.jar		If PSFT is under DB2 then IBM DB2 Drivers. Refer to ODI Install guide for details on installing DB2 drivers.

Software Requirements for the Financials Ops Control: Oracle Retail - EBS PIP

In addition to the Foundation Pack software requirements, the Financials Ops Control: Oracle Retail - EBS PIP requires:

- Oracle Retail Merchandising Suite:
Oracle Retail Merchandising System 13.1.4 and 13.2
Oracle Retail Invoice Matching 13.1.4 and 13.2
Oracle Retail Integration Bus 13.1.4 and 13.2
- Oracle E-Business Suite R12.1.1
- Oracle Data Integrator 10.1.3.5 with the following patches applied: ODI Patch 10.1.3.5.3

Software Requirements for the Financial Accounting Hub for PSFT GL PIP

In addition to Foundation Pack software requirements, the Financial Accounting Hub for PSFT GL PIP requires:

- PeopleSoft Financials GL 8.9 with resolutions 791022, which must be applied first, followed by 801425, 787508 and 787509 for users on 8.9. With PeopleSoft PeopleTools 8.49.19 or higher.
- PeopleSoft Financials GL 9.0 with resolutions 791023, which must be applied first, followed by 801426, 789449 and 789450 for users on 9.0. PeopleSoft PeopleTools 8.49.19 or higher.
- PeopleSoft Financials GL 9.1. With PeopleSoft PeopleTools 8.50 or higher.
- After applying the resolutions using PeopleSoft Change Assistant, refer to Enterprise PeopleTools PeopleBook: PeopleSoft Integration Broker for instructions to set up web services, including defining routing for service operations.
- Oracle E-Business Suite version 12.0.5 or 12.1.2.

If the E-Business Suite is 12.0.5, apply the the following patches:

ARU #	Description	Owner
7413700:R12.GL.A	R12 GL EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	GL
8208641:R12.GL.A	FSAH-PSFT:ST:QA:Sync value set is not deactivating Code Combinations	GL
7347280:R12.XLA.A	R12 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
7720782:R12.XLA.A	R12 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
7888968:R12.XLA.A	R12.XLA EBS patch that allows posting from Invalid Accounts to Suspense Accounts	XLA
7434269:R12.GL.A	EBI: R12 GL EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5	E-Business Suite Integration

8259208:R12.XLA.A	EBI: R12 XLA EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5.	E-Business Suite Integration
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If the E-Business Suite is 12.1.2, apply the following patches in the same order:

ARU #	Description	Owner
9318127:R12.GL.B	R12.1.2 GL EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	GL
9104422:R12.XLA.B	R12.1.2 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
9323630:R12.GL.B	EBI: R12.1.2 GL EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5	E-Business Suite Integration
9324488:R12.XLA.B	EBI: R12.1.2 XLA EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5.	E-Business Suite Integration

- Oracle Data Integrator 10g (10.1.3.5.3) with the following patch applied:

Product	My Oracle Support Patch Number	Description
ODI 10.1.3.5.3	8786991	Oracle Data Integrator: Cumulative Patch: 10.1.3.5.3

Software Requirements for the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

In addition to Foundation Pack software requirements, the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP requires:

- Siebel 8.1.1.3 FP (patch 9882361) with ACR 474.
- BRM 7.4 PS4 (patch 9675886)
- ODI 10.1.3.5.3

Software Requirements for the Comms Order to Bill: Siebel CRM - BRM PIP

In addition to Foundation Pack software requirements, the Comms Order to Bill: Siebel CRM - BRM PIP requires:

- Siebel 8.1.1.3 FP (patch 9882361) with ACR 474.
- BRM 7.4 PS4 (patch 9675886)

Software Requirements for the Comms Revenue Accounting: EBS - BRM PIP

In addition to Foundation Pack software requirements, the Comms Revenue Accounting: EBS - BRM PIP requires:

- BRM 7.4 PS4 (patch 9675886)
- EBS 12.1.1 with patch 8344349 or EBS 11.5.10 with patch 6012471
- ODI 10.1.3.5.3

Software Requirements for the LSP Financial Mgmt: OTM - EBS PIP

In addition to the Foundation Pack software requirements, the LSP Financial Mgmt: OTM - EBS PIP requires:

- Oracle E-Business Suite R12.1.1, with patches 8402900:R12.FIN_PF.B.delta.2 & 8253604:R12.HZ.B applied.
- Oracle Transportation Management 6.0 rollup 2 (6.0.2).

Software Requirements for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

In addition to the Foundation Pack software requirements, the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP requires:

- Siebel CRM FP 8.0.0.8 QF# 2801.
- Oracle E-Business Suite 12.1.1 with patch 8253604:R12.HZ.B applied.
- Oracle Transportation Management 6.0 rollup 2 (6.0.2).

Software Requirements for the LSP Driver Mgmt: OTM - EBS PIP

In addition to the Foundation Pack software requirements, the LSP Driver Mgmt: OTM - EBS PIP requires:

- Oracle E-Business Suite 12.1.1 with the following patches applied:

My Oracle Support Patch Number	Description
8314589:R12.PER.B	HR Patch to provide Person Id as part of Event Data for Delete Events.
8413622:R12.CN.B	Need this patch to get all the errored out Driver Work Invoice records returned by OIC API

- Oracle Transportation Management 6.0 rollup 2 (6.0.2) with patches for 8729590 and 8733680 or 6.1.1 with patches for 12601650, 12623553 and 12706417.

Software Requirements for the Demantra Sales and Ops Planning Integration for Hyperion Planning

If you are installing Foundation Pack, fulfill Foundation Pack software requirements first and then fulfill the following the Demantra Sales and Ops Planning Integration for Hyperion Planning software requirements:

- Oracle Demantra 7.3
- Oracle Hyperion 11.1.1
- Oracle Data Integrator 10.1.3.5.3
- Java JDK 5.0 update 16

Software Requirements for VCP to JDE E1 Integration

If you are installing Foundation Pack, fulfill Foundation Pack software requirements first and then fulfill the following VCP to JDE E1 Integration software requirements:

- Oracle Data Integrator 10.1.3.5.3
- JDK 5.0 update 16
- Oracle Value Chain Planning Suite Release 12.1.1
- VCP to JDE E1 Integration patch 8810966:R12.MSC.B applied to VCP 12.1.1JD Edwards EnterpriseOne 9.0
- Oracle Demantra 7.3
- ESU for SAR number 8925532 applied to JD Edwards EnterpriseOne 9.0

For more information, see the Oracle Data Integrator Implementation Guide.

Software Requirements for the Workforce Administration for PeopleSoft HR

In addition to the Foundation Pack software requirements, the Workforce Administration for PeopleSoft HR requires:

- PSFT HCM 9.0 with PeopleSoft PeopleTool 8.49.19 or higher with resolutions in the following order:
#794934 (PeopleSoft Enterprise Components resolution for PeopleSoft HR 9.0.)
#807695 (Core Human Resources 9.0 resolution.)
#807603 (Oracle Workforce Administration for PeopleSoft HR integration pack resolution.)
- PSFT HCM 9.1 with PeopleSoft PeopleTool 8.50 or higher with resolutions in the following order:
#817443 (Core Human Resources 9.1 resolution.)
#825749 (Oracle Workforce Administration for PeopleSoft HR integration pack 9.1.)
- After applying the resolutions using PeopleSoft Change Assistant, refer to Enterprise PeopleTools PeopleBook: PeopleSoft Integration Broker for instructions to set up web services, including defining routing for service operations.

Software Requirements for the Project Portfolio Management: Primavera P6-EBS Projects PIP

In addition to the Foundation Pack software requirements, the Project Portfolio Management: Primavera P6-EBS Projects PIP requires:

- Primavera P6 version 7.0.0
- EBS 11.5.10 CU2
- Patch 5644830 for Oracle Projects Rollup Patch 4 for Oracle Projects Family Pack M (11i.PJ_PF.M)
- Patch 3485155 for 11iPJ_PF.M
- Patch 8979063 for 11i.MRUP4 : Projects AIA Third Party Application Integration Cumulative Checkin

Software Requirements for the Project Portfolio Management: Primavera P6 - JDE E1 PIP

In addition to the Foundation Pack software requirements, Project Portfolio Management: Primavera P6 - JDE E1 PIP requires:

- Primavera P6 Project Management release 7.0.0
- JD Edwards EnterpriseOne Tools release 8.98.1
- JD Edwards EnterpriseOne Applications release 9.0

At a minimum, you must have these JD Edwards EnterpriseOne modules:

- System Foundation
- Financial Management
- Project Costing

To synchronize equipment data when using this PIP, you must also have one or more of these JD Edwards EnterpriseOne modules:

- Capital Asset Management
- Service Management
- Customer Relationship Management (CRM) Foundation
- Case Management

To synchronize material data when using this PIP, you must also have the JD Edwards EnterpriseOne Inventory Management module.

- JD Edwards EnterpriseOne ESUs, which are included in the following files:

Oracle Application Integration Architecture JDE patches for JDEE1P6EPPM PIP 2.5.zip

You can retrieve these files by searching for part number V17336-01 on <http://edelivery.oracle.com/>.

The file includes these JD Edwards EnterpriseOne ESUs, which should be installed in the order listed here:

1. JL12014

2. JL12765
3. JL12809
4. JL12810
5. JL12813
6. JL11051

Software Requirements for the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP

In addition to the Foundation Pack software requirements, Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP requires:

- Oracle Clinical RDC 4.5.3 with Patch 8752504 (OC_4.5.3.51) or Oracle Clinical RDC 4.6.0 with Patch 9659398 (OC_4.6.0.52)
- Siebel Clinical 8.1.1 QF 0088 or Siebel Clinical 8.1.1.3

Software Requirements for the Utilities Field Work PIP

In addition to the Foundation Pack software requirements, Utilities Field Work PIP requires:

- Oracle Utilities Work and Asset Management 1.8.1.1
- Oracle Utilities CCB 2.2.0.5 plus bug 8914325 (PIP Rollup)
- Oracle Utilities Mobile Workforce Management 1.5.0.5
- Oracle Utilities Real Time Scheduler Planner version is 10.3.9 and the Resource Manager version is 4.2.15.

Hardware Requirements

- To install and deploy the AIA 2.5 you need at least 1710 MB of space.

Recommended Topology

When you install Foundation Pack on Oracle Application Server, you should use Oracle Service Registry (OSR). However, in both cases, Oracle SOA Suite and the Oracle Service registry do not need to be on the same server.

If you use OSR, you must install OSR in a Java Virtual Machine (JVM) instance other than the JVM instance that contains BPEL. By default, they are installed in different instances: the OSR is installed in the home JVM instance, and BPEL is installed in the oc4j_soa JVM instance.

Foundation Pack should be installed in a standalone directory, not in the same directory as the Oracle Application Server. If Foundation Pack is installed in the same directory, then applying future patches for Foundation Pack will not work as designed.

In addition, ensure that new installations of Foundation Pack are done in a directory that does not contain OUI/OPatch folders.

Only one instance of each participating application can participate in any given process integration when installed through the AIA Installer. After installing using AIA Installer, you can configure process integrations to connect to multiple instances.

If you install the Financials Ops Control: Oracle Retail - PSFT PIP or the Financials Ops Control: Oracle Retail – EBS PIP, the Oracle Data Integrator (ODI) software can reside on the same server where Foundation Pack resides or on another server for production environments. However, for installation purposes you need the ODI software on the same server where Foundation Pack is installed. When you install the PIP, the PIP artifacts for the ODI get loaded into the Oracle database that you provide. You can connect the ODI software on your production server to this Oracle database.

Chapter 2: Preparing for AIA Installation

This chapter includes the following sections:

- Performing Pre-Installation Configurations
- Preparing to Launch AIA Installer
- Suppressing Validations of Participating Applications
- Understanding the Installer Screens Sequence
- Understanding Routing Rules Configurations in Enterprise Business Services
- Installing Additional PIPs or Applying Patches
- PIPs Co-Deployment
- Publishing Foundation Pack and PIP Content

Performing Pre-Installation Configurations

The following recommended configurations optimize Oracle SOA Suite performance and enable your AIA implementation to run more smoothly.

Configuring Fusion Middleware Memory Settings

To configure Fusion Middleware memory settings:

1. Login to **Oracle Enterprise Manager**.
2. Click **oc4j_soa**.
3. Click **Administration** tab.
4. Click **Server Properties** and adjust settings on this page as follows:

Initial Heap Size: Set to 1024M

Max Heap Size: Set to 1024M

Under Options, ensure that the following parameter is updated or set:

-XX:MaxPermSize=512M

-XX:MaxNewSize=614m

-XX:NewSize=614m

-XX:AppendRatio=3

-XX:SurvivorRatio=6

5. Open the **server.xml** from `<soa_home>/j2ee/oc4j_soa/config` and make sure that the lines beginning with following are in the given order.

- For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit):

```
<application name="esb-dt" ...>
```

```
<application name="orabpel" ...>
```

```
<application name="esb-rt" ...>
```

- For Microsoft Windows

```
<application name="esb-dt" .. />
```

```
<application name="ruleauthor" .. />
```

```
<application name="rulehelp" .. />
```

```
<application name="axis2" .. />
```

```
<application name="ODIMeta" .. />
```

```
<application name="ODILWDesigner" .. />
```

```
<application name="gateway" .. />
```

```
<application name="policymanager" .. />
```

```
<application name="ccore" .. />
```

```
<application name="coreman" .. />
```

```
<application name="orabpel" .. />
```

```
<application name="hw_services" .. />
```

```
<application name="deploy_service" .. />
```

```
<application name="esb-rt" .. />
```

If BPEL and ESB are installed in a different container other than oc4j_soa, the path to server.xml reflects that container name instead of oc4j_soa .

Note: These are recommended values. Actual values that you set depend on your system configurations. When running on dedicated hosts, you can set the JVM heap size as high as possible. However this number is constrained by the operating system's addressable memory space.

6. Restart your complete SOA server using the commands from the directory <SOA_HOME>/opmn/bin

For Linux (x86), Solaris SPARC (64-bit), IBM AIX Based Systems (64-bit) and HP-UX 11i (64 bit)

- a. `./opmnctl stopall`
- b. `./opmnctl startall`

For Windows

- a. `opmnctl stopall`
- b. `opmnctl startall`

Configuring the Java Transaction API Transaction Timeout Value

The Oracle BPEL engine uses the Java Transaction API (JTA). By default, the transaction timeout value is set to 30 seconds in the `transaction-manager.xml` file.

Oracle recommends that you set this value to 300 seconds or higher depending on your environment.

For the server edition, you can locate the `transaction-manager.xml` file here:

`<soa_home>/j2ee/<oc4j instance name>/config/transaction-manager.xml`.

Enabling Directory Browsing in the Apache Server

You can enable directory browsing in Apache server by editing the `httpd.conf` file. In Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit) the file is at `<soa_home>/Apache/Apache/conf/httpd.conf`. In Microsoft Windows (32-bit), the file is at `<soa_home>\Apache\Apache\conf\httpd.conf`.

To edit the `httpd.conf` file:

1. Open the file using a text editor, such as `vi` for Linux x86 or Notepad for Microsoft Windows (32-bit).
2. Search for **Options FollowSymLinks MultiViews**. There are two occurrences.
3. Add the word **Indexes** to the end of **Options FollowSymLinks MultiViews** for the second occurrence.

After adding it, the text looks like this: "Options FollowSymLinks MultiViews Indexes"

4. Restart your **HTTP Apache** server using the commands from the directory `<soa_home>/opmn/bin`

For Linux (x86), Solaris SPARC (64-bit), IBM AIX Based Systems (64-bit) and HP-UX 11i (64 bit)

- a. `./opmnctl stopall`
- b. `./opmnctl startall`

For Windows

- a. `opmnctl stopall`
- b. `opmnctl startall`

Copying JDBC libraries from SOA to AIA

Copy the following JDBC libraries from SOA to AIA using the following code snippet.

```
cd $AIA_HOME/Infrastructure/install
cp -R lib lib.orig
cp $SOA_HOME/jdbc/lib/* lib/
cp lib/classes12_g.jar lib/classes12.jar
cd $AIA_HOME
cp $SOA_HOME /jdbc/lib/* lib/
cp lib/classes12_g.jar lib/classes12.jar
cd $AIA_HOME /config
```

JDK Version

For Linux (x86), Microsoft Windows (32-bit), Solaris SPARC (64-bit) and HP-UX 11i (64 bit).

Oracle SOA Suite 10.1.3.4 comes with JDK 5.0, update 06, but the Oracle AIA Installer requires JDK 5.0 update 16. This version can be downloaded from: .

Upgrade the version of JDK delivered with SOA suite to this version. For information on how to do this, see Oracle My Oracle Support note 396096.1.

For IBM AIX Based Systems

Apply the J2RE 1.5.0 IBM AIX build pap32devifx-20070725 (SR5a) jdk fix to SOA JDK (\$ORACLE_HOME/jdk). You can find the JDK fix at

Verifying SOA

Verify SOA using the My Oracle Support note ""

Preparing to Launch AIA Installer

Before launching the AIA Installer:

- Know the connection details of the Oracle database that you want to use for the AIA installation.
- Confirm configurations for Oracle SOA Suite components.

All relevant containers of SOA Suite should be up and running. Check this by using opmn.

Ensure that you are able to log into BPEL and ESB consoles.

In the ESB console verify that ESB Default System is visible.

Ensure that you are able to update any one of the properties for the ESB Default System.

If any of these fails, you should fix these issues and only then proceed with AIA installation. You can contact Oracle Support for help on fixing these issues.

The person who runs AIA Installer should have write permissions to the server and also have permission to modify files in Oracle SOA Suite.

- Ensure that the following environment variables are set:

For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit):

Ensure that JAVA_HOME is set to <SOA_HOME>/jdk, for example, export
JAVA_HOME=<SOA_HOME>/jdk.

Ensure that the PATH variable has bin of JAVA_HOME variable, for example, export
PATH=.:\$JAVA_HOME/bin:\$PATH.

For Microsoft Windows (32-bit):

Ensure that JAVA_HOME is set to <SOA_HOME>\jdk.

Ensure that ODI_JAVA_HOME is set to <SOA_HOME>\jdk.

Note: If you have set ODI_JAVA_HOME to a JRE (Java Runtime Environment) location you need to change it as <SOA_HOME>\jdk as JRE location is not appropriate for deploying AIA ODI artifacts. Setup of variable ODI_JAVA_HOME is applicable only for PIPs that use ODI.

Ensure that the PATH variable has bin of JAVA_HOME variable.

To set these Microsoft Windows environment variables:

1. Right-click **My Computer** and select **Properties**.
2. Select the **Advanced** tab and click **Environment Variables**.
3. Set the environment variables as system variables.
 - Suspend all other Oracle SOA Suite server activities prior to launching the AIA Installer.
 - Disable communications with the participating applications.
To prevent transactions from going through inadvertently, bring down applicable server instances. Do not bring these servers online again until the installation process is complete.

Note: The processes launched by the AIA Installer will not affect the installations of your participating applications.

Suppressing Validations of Participating Applications

AIA Installer, during installation, validates most of the field values that you provide for participating applications. You cannot proceed with the installation if you do not provide correct values or if the participating applications are not up and running.

However, if you want to suppress these validations and continue with the installation:

1. Close the installer if already launched.
2. Open the file *Disk1/install/oraparam.ini* in the install dump.
3. Change the property **NoValidationOnEdgeApps=false** to **NoValidationOnEdgeApps=true**.
4. Launch the AIA Installer and proceed.

Understanding the Installer Screens Sequence

AIA Installer helps you install Foundation Pack and the PIPs that are delivered in this release. The screens that appear when you run the installer are based on whether you choose to install Foundation Pack, or PIPS, or both. This section discusses various installation options and screens that appear.

Installing Foundation Pack

When you install only the Foundation Pack, all the screens mentioned in the Installing Foundation Pack chapter appear in the sequence mentioned.

Installing Foundation Pack and a PIP

When you install Foundation Pack and a PIP for the first time, all the screens mentioned in respective Installing Foundation Pack and PIP chapters appear in the sequence mentioned.

Installing a PIP over Foundation Pack

When you install Foundation Pack first and install a PIP next, AIA Installer will not prompt you for Foundation Pack specific information. AIA Installer queries only for PIP specific information. Refer to respective PIP installation chapters for PIP specific screens.

Installing Multiple PIPs over Foundation Pack

When you install more than one PIP, either together or by installing the PIP(s) over an existing PIP installation, then the following occurs.

- Foundation Pack information is not collected if it is already installed.
- When multiple PIPs are selected for installation at the same time, and these PIPs have one or more common participating applications, AIA Installer queries for common details only once.
For example, if PIP1 and PIP2 both connect to Oracle E-Business Suite, then the information for this participating application will be collected only once.
- When installing PIP(s) over an existing installation which has one or more PIPs, and the new PIPs selected for installation share one or more participating applications with existing PIPs, then the common application information will not be collected again.

For example, when the first run of the installer installs PIP1 and the second run tries to install PIP 2, and PIP 2 shares a participating application with PIP1 such as Oracle E-Business Suite, then AIA Installer will not query the details related to Oracle E-Business Suite again.

Note: The installation sequence described in the specific PIP installation chapters is based on the assumption that you are installing both Foundation Pack and the PIP for the first time, and that you are installing only one PIP at a time.

Understanding Routing Rules Configuration in Enterprise Business Services

Every PIP has its own set of routing rules. These routing rules get delivered when you install AIA. However, the routing rules implementation can differ depending upon the various installation scenarios.

Installing Only One PIP

When you install a single PIP along with Foundation Pack or on top of an existing Foundation Pack installation, then Enterprise Business Services (EBS) for that PIP are deployed with all default routing rules delivered by AIA.

Installing More Than One PIP at a Time

When you install multiple PIPs at the same time, the EBS that are used by more than one PIP do not get deployed. You need to manually configure the routing rules to suit the functional scenario for the combination of the PIPs. However, the routing rules that were delivered through only one of PIPs get deployed.

The routing rules for the same EBS delivered through other PIPs are available in *AIA_HOME/PIPS/Core/Setup/<PIPName>/EBS*. The install log provides information about the EBS for which you need configure routing rules. The install log reads, "<EBS Name> already deployed. The routing rules for PIP <PIP Name> have not been added. *AIA_Home/PIPS/Core/Setup/<PIP Name> EBS* contains Oracle Delivered EBS with routing rules for this PIP".

For more information about how to use these delivered routing rules to design and implement your own AIA routing rules and the associated AIA configuration properties, see Oracle Application Integration Architecture – Foundation Pack 2.5: Integration Developer's Guide.

Note: For EBS that are not shared between the PIPs, all the default routing rules delivered with the PIP are deployed.

Installing Additional PIP(s)

When you install one or more PIPs over an existing installation of PIP(s), the EBS that are used by more than one PIP, or which are already available through earlier installation do not get deployed. You need to manually configure the routing rules to suit the functional scenario for the combination of the PIPs. However, the routing rules that were delivered through only one of PIPs or which are not already available through earlier installation are deployed.

The routing rules for the same EBS delivered through other PIPs are available in *AIA_HOME/PIPS/Core/Setup/<PIPName>/EBS*. The install log provides information about the EBS for which you need configure routing rules. The install log reads, “<EBS Name> already deployed. The routing rules for PIP <PIP Name> have not been added. *AIA_Home/PIPS/Core/Setup/<PIP Name> EBS* contains Oracle Delivered EBS with routing rules for this PIP”.

For more information about how to use these delivered routing rules to design and implement your own AIA routing rules and the associated AIA configuration properties, see Oracle Application Integration Architecture – Foundation Pack 2.5: Integration Developer's Guide.

Note: For EBS that are not shared between the PIPs, all the default routing rules delivered with the PIP are deployed.

Installing Additional PIPs or Applying Patches

This section discusses the key tasks that you need to perform before you install additional PIPs on your existing PIPs or when you apply patches to your existing PIPs:

- Back up Custom EBOs:

These are AIA schema extensions performed on EBOs. Though the AIA Installer automatically preserves these schema extensions, it is advisable to back up the custom directory. For example, all custom xsd files for core EBOs are accessed as `http://hostname:port/AIAComponents/EnterpriseObjectLibrary/Core/Custom/EBO/`

If you are using the oracle application server, you can access this folder from `SOA_HOME/Apache/Apache/htdocs/AIAComponents/EnterpriseObjectLibrary/Core/Custom/EBO/`

- Back up Custom XSLTs:

These are the extensions performed on the AIA Transformation style sheet. AIA does not contain any Extensible Stylesheet Language Transformations (XSLTs) for its components and utilities. Because the process content is delivered only in PIPs, you need to manually back up the XSLTs if you have developed any for the custom integrations, and reapply them as a post install step.

- Back up Custom EBS WSDL:

If you have customized any EBS WSDL that is delivered / shipped with AIA, you need to back it up and manually merge the changes that you made post installation.

- Export Domain Value Maps (DVM):

If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually and analyze and merge these changes manually post installation.

- Back up Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any routing rules, on any of the EBS available as part of the PIP, on top of the rules provided out of the box, you need to manually take a back up of the EBS. You need to merge the EBS manually as a post installation step.

- Back up the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME and merge custom inclusions in the CONFIG file and change properties as required after installation.

PIPs Co-deployment

Before you install multiple PIPs on a single SOA instance, refer to My Oracle Support note to review the AIA PIP Co-Deployment Matrix and check whether your PIP combination is supported on a single instance. The PIP Shared Artifact Analyzer tool generates a report of the PIPs that can be installed on a single SOA instance. You can find the tool and related documentation on My Oracle Support note .

To install multiple PIPs that do not support co-deployment, you must install each PIP on a separate SOA instance. If you install an unsupported PIP combination on a single SOA instance, you might need to make custom changes to accommodate any resulting functional impacts or common PIP components, such as common routing rules.

Publishing Foundation Pack and PIP Content

Publishing AIA Content to BSR

AIA Installer publishes the entire Foundation Pack and PIP content to the BSR during installation. AIA Installer publishes the entire content even when you publish only Foundation Pack and not PIPs. This is to provide visibility to complete SOA portfolio and enable subsequent reuses. This happens automatically. This activity is mandatory in installation process.

Publishing AIA Content to OSR

AIA Installer does not publish Foundation Pack and PIP content to OSR automatically. You need to manually publish the design-time content to OSR through a command-line script post installation. This activity is time consuming and you need to ensure that server restart does not occur during the process. To publish content to OSR you need to specify your OSR details during installation. However, the runtime content of a PIP gets published to OSR during installation of that specific PIP.

For more information about how to run this command-line script, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide, "Publishing and Unpublishing Content in the BSR and OSR," Performing the Initial Load of Design-Time Content to the OSR.

Chapter 3: Installing Foundation Pack

This chapter includes the following sections:

- AIA Installer Interview for Foundation Pack
- Installing Foundation Pack
- Performing Post-Installation Configurations

AIA Installer Interview for Foundation Pack

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack. Collect the data required for Foundation Pack screens. Take a printout of this section and keep it ready when you run AIA Installer. This enables faster and error free installation.

Select a Product to Install Screen

On this screen you set the home directory for installation and select the products to install (Foundation Pack and PIPs).

The Destination part of the screen, which helps you set home directory, has two fields:

Field	Description
Name	This is the name of Foundation Pack home directory. Example: AIAHOME . Foundation Pack home directory name is _____
Path	This is the full file path where the AIA Installer installs the Foundation Pack product files. The full path of the location is _____

Note: Do not use existing home directories if you want to reinstall Foundation Pack and PIPs. You must uninstall Foundation Pack and PIPs using instructions provided in chapter and then install using instructions provided in the respective installation chapters.

Details of the Local SOA Suite Installation Screen

All artifacts associated with the Foundation Pack infrastructure components will be deployed to the SOA Suite server. This screen contains the following fields:

Field	Description
Server Name	This value is the machine name and is populated by the system.

Field	Description
	<p>Example: server1.oracle.com.</p> <ul style="list-style-type: none"> For Microsoft Windows (32-bit): To find this value, go to <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: hostname. For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): To find this value, go to <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: hostname. <p>The server name is _____</p>
HTTP Port	<p>Example: 8888.</p> <ul style="list-style-type: none"> For Microsoft Windows (32-bit): To find this value, go to <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: http.port. For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): To find this value, go to <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: http.port. <p>The HTTP Port is _____</p>
Username	<p>This is the admin username provided at the time of the installation. Example: oc4jadmin.</p> <ul style="list-style-type: none"> For Microsoft Windows (32-bit): To find this value, see the Readme.txt file for your SOA installation <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: admin.user. For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): To find this value, see the Readme.txt file for your SOA installation <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: admin.user. <p>The admin username is _____</p>
Password	<p>To find this value, contact your SOA server administrator.</p> <p>The password is _____</p>
OC4J Instance Name	<p>Example: oc4j_soa.</p> <ul style="list-style-type: none"> For Microsoft Windows (32-bit): To find this value, see the file <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: oc4jinstancename. For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): To find this value, see the file <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: oc4jinstancename. <p>The OC4J Instance name is _____</p>

Field	Description
OPMN Request Port	<p>This is the default value given if the port is not explicitly set to a different value. Example: 6003.</p> <ul style="list-style-type: none"> For Microsoft Windows (32-bit): To find this value, see the file <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: opmn.requestport. For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): To find this value, see the file <soa_home>\bpel\utilities\ant-orabpel.properties and look up field name: opmn.requestport. <p>The OPMN Request Port is _____</p>

Oracle Database Server Details Screen

The Oracle database server can be the same server as the SOA Suite server (the dehydration database) or a separate Oracle database. This is the server where the entire AIA schema and related objects, including cross-reference data, will be created. This screen contains the following fields:

Field	Description
Server Name	<p>This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com.</p> <p>The Server Name is _____</p>
Port Number	<p>To find this value, contact the database administrator. Example: 1521.</p> <p>The Port Number is _____</p>
Username	<p>To find this value, contact the database administrator. The username should have system DBA privileges. Example: apps.</p> <p>The Username is _____</p>
Password	<p>To find this value, contact the database administrator.</p> <p>The Password is _____</p>
SID (system ID)	<p>To find this value, contact the database administrator. Example: orcl.</p> <p>The system ID is _____</p>

Oracle Service Registry Details Screen

The OSR is the Universal Description, Discovery and Integration (UDDI) registry where the Foundation Pack artifacts will be published. You can also publish OSR to a UDDI that resides on a different server other than where Foundation Pack artifacts reside by specifying the details in Service Registry URL.

Note: You can skip this screen if you do not want to give UDDI details. When you skip Service Registry Details, the services do not get published on the Oracle Service Registry.

We recommend that you install OSR in a JVM instance other than the JVM instance that contains BPEL. By default, they are installed in different instances: the OSR is installed in the home JVM instance and BPEL is installed in the oc4j_soa JVM instance.

The Oracle AIA Installer performs the initial load of Foundation Pack Enterprise Object Library and PIP design-time content into the BSR and run-time content for deployed PIPs into the OSR.

The initial load of design-time Foundation Pack Enterprise Object Library and PIP content into the OSR is accomplished by running a command-line script anytime after the Oracle AIA installation is complete.

For more information about how to run this command-line script, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide, "Publishing and Unpublishing Content in the BSR and OSR," Performing the Initial Load of Design-Time Content to the OSR.

The screen contains the following fields:

Field	Description
Service Registry URL	<p>This value is typically the machine name, port number on which OSR is installed. Provide URL in the format Example: http://hostname:port/registry.</p> <p>The Service Registry URL is _____</p>
Username	<p>Enter oracle as the username to ensure that the Installer publishes AIA services as "Oracle Services".</p> <p>Note: All OSR installations include oracle as a default user.</p> <p>The Username is _____</p>
Password	<p>This is the password for the oracle user required to publish services to the OSR. To find this value, contact the system administrator.</p> <p>The Password is _____</p>

Installing Foundation Pack

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack. Keep the completed worksheet of Foundation Pack screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

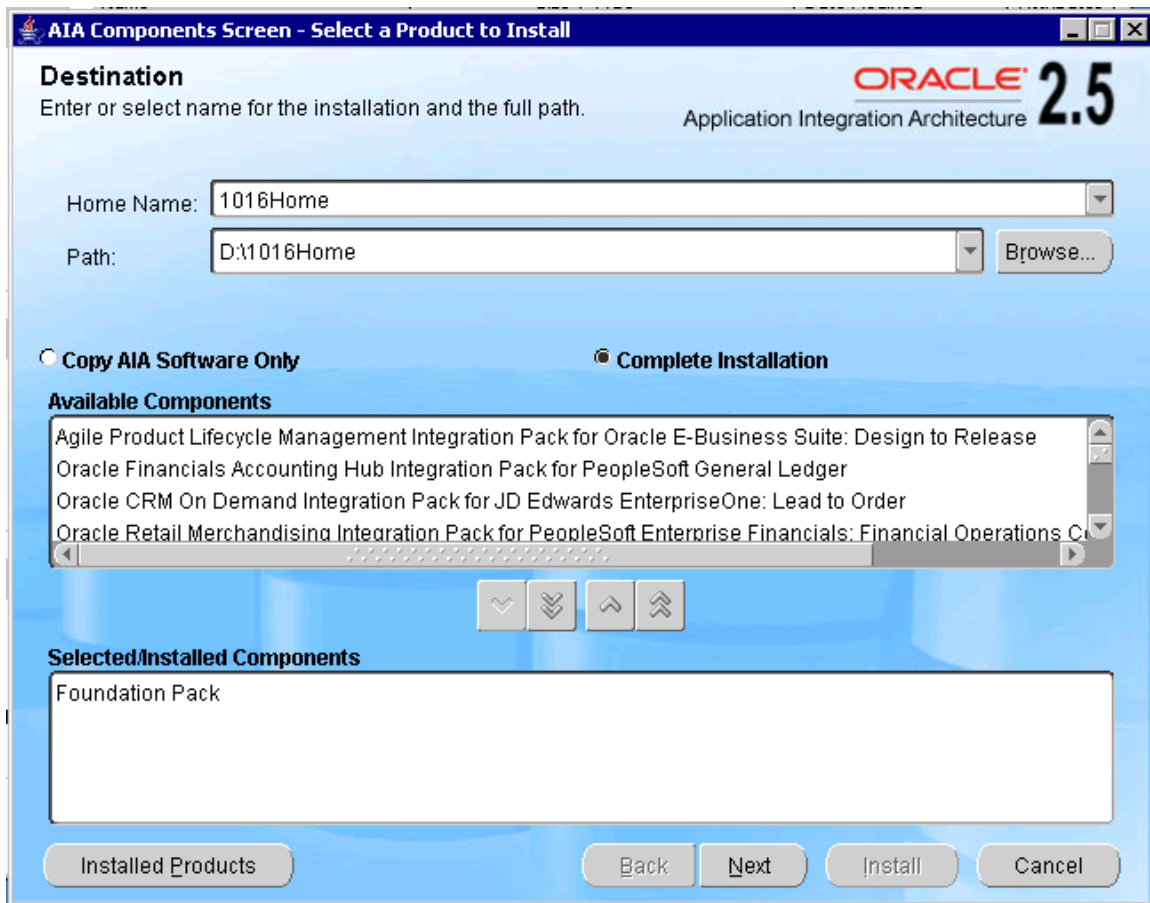
Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit). HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Foundation Pack to Install

To choose Foundation Pack to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.



Select a Product to Install screen

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

4. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation:

1. Review the install information and verify your selections on the **Summary** screen.

2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Verify the installation using steps in the chapter.

Performing Post-Installation Configurations

Before you install PIPs, apply the patch 9258181 on Foundation Pack Installation.

Chapter 4: Installing the Design to Release: Agile - EBS / PIM PIP

This chapter provides an overview of the Design to Release: Agile - EBS / PIM PIP screens in AIA Installer and includes the following sections:

- AIA Installer Interview for the Design to Release: Agile-EBS / PIM PIP
- Performing Pre-Installation Configurations
- Installing Foundation Pack and Design to Release: Agile - EBS / PIM PIP
- Performing Post-Installation Configurations

AIA Installer Interview for the Design to Release: Agile - EBS / PIM PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Design to Release: Agile - EBS / PIM PIP. Collect the data required for and enter the details of Design to Release: Agile - EBS / PIM PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Agile PLM Details Screen

Use this screen to enter details related to your Agile PLM instance.

The screen contains the following fields:

Field	Description
Agile PLM Host	This value is typically the machine name. Example: example1.corp.oracle.com . Agile PLM fully qualified Host name is _____
Agile PLM Port	This is the http port. This value depends on the web server port and operating system of your Agile PLM instance. To find this value, contact your Agile PLM administrator. Example: 80 . Agile PLM Port is _____
Agile PLM Virtual Path	This value is the same virtual path entered during the Agile PLM installation. Example: Agile . Agile PLM Virtual Path is _____
Agile PLM Integration Username	This is the Agile PLM admin access username. Example: admin . Agile PLM Integration Username is _____

Field	Description
Agile PLM Integration User Password	To find this value, contact your Agile PLM administrator. Agile PLM Integration User Password is _____
Agile Version	This is a drop down list of Agile PLM Application Versions, which are: 9.2.2.x , where 'x' can be either 6 or 7. 9.3.x , where 'x' can be either 0 or 1 9.3.x with VM , where 'x' can be either 0 or 1 Note: If you are using Agile 9.3.1, apply the patch 10378919.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite fully qualified Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: SID.server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____. Note: This field is not used in Design to Release: Agile – EBS/PIM PIP.

<i>E-Business Suite Version</i>	<p>This is a drop down list of Oracle E-Business Suite Application versions, which are:</p> <p>11.5.10 CU2</p> <p>12.1.1</p> <p>12.1.2</p> <p>12.1.3</p> <p>12.1.1 with PIM</p> <p>12.1.2 with PIM</p> <p>12.1.3 with PIM</p>
--	--

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
<i>E-Business Suite Database Host</i>	<p>This value is typically the machine name. To find this value, contact the database administrator. Example: <i>server1.oracle.com</i>.</p> <p>E-Business Suite Database Host is _____</p>
<i>E-Business Suite Database Port</i>	<p>To find this value, contact the database administrator. Example: <i>1521</i>.</p> <p>E-Business Suite Database Port is _____</p>
<i>E-Business Suite Database Username</i>	<p>To find this value, contact the database administrator. Example: <i>apps</i>.</p> <p>E-Business Suite Database Username is _____</p>
<i>E-Business Suite Database Password</i>	<p>To find this value, contact the database administrator.</p> <p>E-Business Suite Database Password is _____</p>
<i>E-Business Suite Database SID (System ID)</i>	<p>To find this value, contact the database administrator. Example: <i>orcl</i>.</p> <p>E-Business Suite Database SID is _____</p>
<i>Database Schema</i>	<p>To find this value, contact the database administrator. Example: <i>apps</i>.</p> <p>Database Schema is _____</p> <p>Note: All the database credentials are used for creating the connection pool URL (universal resource locator) and data source URLs.</p>

Performing Pre-Installation Configurations

If Oracle E-Business Suite 12.1.1 with PIM release is being used for PIP installation, you need to enable the *Generate Item Number and Description Service* in Oracle E-Business Suite. Before you enable this service, you need to apply the required patches on Oracle E-Business Suite as mentioned in Software Requirements section:

To enable the Generate Item Number Service in Oracle E-Business Suite:

1. Login as SYSADMIN into Oracle Apps.
2. Go to **Integrated SOA Gateway** responsibility.
3. Click **Integration Repository**.
4. Select view-by as **Interface Type**.
5. Navigate to **Web Service, Discrete Manufacturing, Inventory Management**.
6. Click **Generate Item Number and Description Service**.
7. Click **Redeploy/Deploy Web Service** button.

You will be able to view Deployed WSDL URL under Abstract WSDL URL.

8. Click the deployed **WSDL** link and verify whether WSDL is open. Also try accessing the imported schema location

`http://<host>:<port>/webservices/AppsWSProvider/oracle/apps/inv/ebi/item/GenerateItemNumberService.xsd`. You should get the following message in the browser

"Returns Item Number and Description Returns Item Number and Description"

On View Source, the XSD should be visible.

9. Provide **Grant** to the Integration User for this web service.
10. Select the method **getItemNumberDescription** and click **Create Grant** button on the bottom of the page.
11. Specify the **User** and click **Apply**.

If there any issues, refer to *Oracle E-Business Suite Integrated SOA Gateway Troubleshooting Guide*:

Installing Variant Management

Variant Management is a patch for the Agile PLM 9.3 release. To use Agile PLM 9.3 with Variant Management for Design to Release: Agile - EBS / PIM PIP, you need to install the patch before you run the AIA Installer.

Note: The Variant Management installer and the relevant documentation can be obtained from eDelivery.

Installing Foundation Pack and Design to Release: Agile - EBS / PIM PIP

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Design to Release: Agile - EBS / PIM PIP. Keep the completed worksheets of Foundation Pack and Design to Release: Agile - EBS / PIM PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for each platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit). HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Design to Release: Agile - EBS / PIM PIP to Install

To choose Design to Release: Agile - EBS / PIM PIP to install:

1. Specify the home directory for the product files in the **Specify the Product to Install** screen.

Note: If you have an earlier version of Foundation Pack and Design to Release: Agile - EBS / PIM PIP installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Agile Product Lifecycle Management Integration Pack for Oracle E-Business Suite: Design to Release** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Agile PLM Application Details

To specify Agile PLM details:

1. Enter information about your Agile PLM installation in the **Agile PLM Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your Oracle E-Business Suite Server installation in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database installation in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discussed the post-installation configurations.

You must perform the following post-installation configurations for the Design to Release: Agile - EBS / PIM PIP:

- Deploy PLM PIP components on the Agile PLM server.
- Verify the component deployment.

Deploying Design to Release: Agile - EBS / PIM PIP Components on the Agile PLM Server

To deploy Design to Release: Agile - EBS / PIM PIP components on the Agile PLM Server:

1. Download part V18339-01 from Oracle Application Integration Architecture Media Pack 2.5.

It contains plmpip-agile9.zip.

Note: Contact your Oracle sales representative for information on E-Delivery and how to locate the file.

2. Extract the contents of the **plmpip-agile9.zip** file to a temporary directory on the Agile PLM server.
3. Modify the following entries in the **build.properties** file:

Field	Value
Home directory for Agile PLM	agile.home
FMW host name	http.hostname
FMW port	http.port
Time in Milliseconds	NPR.PX.timeout

4. Open a command prompt or shell window and change to the directory where the file contents were extracted.
5. Verify that ant is in the system path.

Note: Ant is located in the Oracle Application Server Home directory where the Agile PLM application is hosted.

6. Enter ant on the command line to deploy the components. The jar files are copied onto the Agile application server.
7. Restart your complete SOA server using the commands from the directory <SOA_HOME>/opmn/bin

For Linux (x86), Solaris SPARC (64-bit), IBM AIX Based Systems (64-bit) and HP-UX 11i (64 bit)

- a. ./opmnctl stopall
- b. ./opmnctl startall

For Microsoft Windows (32-bit)

- a. opmnctl stopall
- b. opmnctl startall

8. Verify the installation using steps in the chapter.

Verifying the Component Deployment

To verify that the Design to Release: Agile - EBS / PIM PIP components have been deployed, ensure that the **AIA.jar** and **NPR.jar** files are listed in the `agile_home\integration\sdk\extensions` directory.

Read Agile Product Lifecycle Management Integration Pack for Oracle E-Business Suite: Design to Release 2.5 – Implementation Guide to complete PIP implementation.

Patch Installation

Apply the patch 9686509 (ROLL-UP PATCH FOR AGILE TO EBIZ PIP 2.5).

Chapter 5: Installing Design to Release: Agile – SAP PIP

This chapter provides an overview of Design to Release: Agile - SAP PIP screens in AIA Installer and includes the following sections:

- AIA Installer Interview for the Design to Release: Agile – SAP PIP
- Installing and Configuring Oracle AS Adapter for SAP
- Performing Pre-Installation Configurations
- Installing Foundation Pack and Design to Release: Agile – SAP PIP
- Performing Post-Installation Configurations

AIA Installer Interview for the Design to Release: Agile – SAP PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Design to Release: Agile – SAP PIP. Collect the data required for and enter the details of Design to Release: Agile – SAP PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Agile Details Screen

Use this screen to enter details related to your Agile PLM instance.

The screen contains the following fields:

Field	Description
Agile PLM Host	This value is typically the machine name. Example: example1.corp.oracle.com . Agile PLM Host name is _____
Agile PLM Port	This is the http port. This value depends on the web server port and operating system of your Agile PLM instance. To find this value, contact your Agile PLM administrator. Example: 80 . Agile PLM Port is _____
Agile PLM Virtual Path	This value is the same virtual path entered during the Agile PLM installation. Example: Agile . Agile PLM Virtual Path is _____
Agile PLM Integration Username	This is the Agile PLM admin access username. Example: admin . Agile PLM Integration Username is _____

Field	Description
Agile PLM Integration User Password	To find this value, contact your Agile PLM administrator. Agile PLM Integration User Password is _____
Agile Version	This is a drop down list of Agile PLM Application Versions, which are: 9.2.2.x , where 'x' can be either 6 or 7. 9.3.x , where 'x' as of now is 0.0

SAP Application Server Details Screen

Use this screen to enter details related to your SAP Application server instance.

The screen contains the following fields:

Field	Description
SAP Application Server Name	This value is the fully qualified machine name of the SAP Application Server. Example: example1.corp.oracle.com . SAP Application Server Host Name is _____
System Number	This value is the System Number of the SAP client. To find this value, contact your administrator. Example: 00. SAP System Number is _____
System ID	This value is the System ID of the SAP server. To find this value, contact your administrator. Example: 00 SAP System ID is _____
Client ID	This is the SAP client number, which is used for integration. To find this value, contact your administrator. Example: 250 SAP Client ID is _____
User Name	To find this value, contact your administrator. SAP User Name is _____
Password	To find this value, contact your administrator. SAP Password is _____
Language	This value is the Language pack installed on the SAP server. To find this value, contact your administrator. Example: EN SAP Language is _____
Code Page	This value is Codepage of the Language pack installed on the SAP server. To find this value, contact your administrator. Example: 1100 SAP Code Page is _____
Gateway Service Name	This value is SAP gateway service provider ID. To find this value, contact your administrator. Example: sapgw00

Field	Description
	SAP Gateway Service Name is _____
Connection Pool Size	This value is the size of the connection pool i.e. the number of connections in the connection pool. To find this value, contact your administrator. SAP Connection Pool Size is _____
Gateway Host	This value is the fully qualified machine name of the SAP Gateway Server. Example: example1.corp.oracle.com . SAP Gateway Server Host Name is _____
Program ID	This value is the Program ID of the SAP server. To find this value, contact your administrator. SAP Program ID is _____
Sender Port	This value specifies the way from which an Idoc is being transferred to the EDI sub system Sender Port is _____
Receiver Port	This value specifies the way from which an Idoc is being received from the EDI sub system Receiver Port is _____
Message Server Name	This value specifies a server used for load balancing of SAP system Message Server Name is _____

Installing and Configuring Oracle AS Adapter for SAP

You need to install and configure Oracle AS Adapter for SAP before you proceed with Design to Release: Agile - SAP installation. This section discusses:

- Oracle AS Adapter for SAP installation
- Applying Adapter patches
- JCA and IBSE configurations for Oracle AS Adapter for SAP

Installing Oracle AS Adapter for SAP

To install Oracle AS Adapter for SAP:

1. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter:

Platform	To launch the Oracle AIA Installer:
Solaris SPARC (64-bit)	<code>./runInstaller</code>
IBM AIX Based Systems (64-bit)	
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	Double-click setup.exe

Upon launch, the Oracle AIA Installer displays **Specify File Locations** screen. Use this screen to enter the source location of the file you want to install and destination path and installation name.

2. Enter source path under **Source** and enter the destination path and installation name.
3. Click **Next**.
4. Select **Design-time and Run-Time** option in the **Select Installation Type** screen.
5. Click **Next**.
6. Select the appropriate *OC4J Instance Name* and specify the **AS Administrator Password** in **Administration Setting** screen.
7. Click **Next**.
8. If the installation process runs successfully, the system displays the **End of Installation** screen.

Applying Adapter Patches

The following list shows all available OEM Adapter patches. These patch files contain a Readme.txt file, which gives you information about applying the patches.

Note: Apply the patches in the order listed below.

- Patch 5895585
- Patch 6269861
- Patch 6150988
- Patch 6134345
- Patch 6028862 (1 of 2)
- Patch 6028862 (2 of 2)
- Patch 5956162
- Patch 6339173

JCA and IBSE Configurations for Oracle AS Adapter for SAP

To fetch the JCA and IBSE configuration files:

1. Download the `sapjco-ntintel-2.1.8.zip` file from SAP Market Place ().

2. Extract the files, copy dll files, and place them in the *C:\Winnt\system32* folder.

Note: In case of Linux the step 2 is not required.

3. Copy dll and jar files to *<SOA_HOME>/adapters/application/lib*.
4. Copy *Sapjco.jar*, *sapjcorfc.dll* file and place it in *<SOA_HOME>/j2ee/<oc4jcontainer>/applib* (oc4jcontainer is appropriate JVM container name).
5. Copy *SAPjco.jar* file and place it in *<SOA_HOME>/j2ee/<oc4jcontainer>/sharedlib/SAPJCO/1.0/*.

Note: Create the folders if they are not already created.

6. Open the **IBSE System** settings page using the URL *http://<Application Server HOST>:<Port>/ibse/*.
7. Enter username and password as *iway / iway* (default) in the pop up window that appears. This opens IBSE Settings page.
8. Specify the following parameters in **IBSE Settings** page:

Adapter Lib Directory: *<SOA_HOME>\adapters\application\lib*

Repository Type: **File System**

Repository URL:

9. Click **Save**.
10. Stop the application server and restart the application server.

Configuring IBSE Adapter

To configure IBSE Adapter in the Oracle AS Adapter for SAP:

1. Open the **Adapter Application Explorer**.
2. Right click **ibse** and select **Connect**.
3. Expand **Adapters** and select either **My SAP** or **SAP** depending upon the SAP version that is used for integration.
4. Right click and select **Add Target**. This opens the **Add Target** window.
5. Enter the following details in **Add Target** Window.
 - a. Enter SAP Target as **SAPINBOUND** in the **Name** field
 - b. Select **Application Server** from **Type** field options.
 - c. Click **OK**.

6. Enter the following details in **Application Server** pop up that appears. Contact SAP Administrator for these details.

- a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number, which is used for integration.
User	User ID
Password	Password
Language	Language pack installed on the server
Codepage	Codepage of the Language pack installed on the SAP server

- b. Enter the following details in **System** tab.

Field	Description
Gateway Host	SAP Gateway Host IP address / Host Name
Gateway Service	SAP gateway service provider ID
Program ID of the server	Program ID of the server
Application server	IP Address/Host Name of the SAP Application server
System Number	System Number of the SAP client

- c. Enter connection pool size in **Advanced** tab.

7. Click **OK**.
8. Right click **SAPINBOUND Adapter** configuration and select **Connect** to connect to the INBOUND adapter.

Configuring Web Service in the IBSE Adapter

You need to configure web service in the IBSE Adapter.

To configure web service in the IBSE Adapter:

1. Expand the **SAP Inbound Adapter** instance and select **Remote Function Modules** for a list of RFMs available in SAP.
2. Right click the required remote function module and select **Create Web Service**.
3. Enter the name as **BAPI_STDMATERIAL_GETINTNUMBER** in **Service Name** field in **Create Web Service** window.
4. Click **Next**.

The web service is created. To view the WDSL, click the web service link.

5. Create web services for the required remote function modules listed below in a similar manner.

- BAPI_MATERIAL_GET_ALL
- BAPI_MATERIAL_GET_DETAIL
- BAPI_MATERIAL_SAVEDATA
- CCAP_ECN_MAINTAIN
- CCAP_REV_LEVEL_MAINTAIN
- BAPI_MAT_BOM_EXISTENCE_CHECK
- CSAP_MAT_BOM_CREATE
- CSAP_MAT_BOM_MAINTAIN
- CSAP_MAT_BOM_ALLOC_CREATE
- CSAP_MAT_BOM_READ

Configuring JCA Adapter

To configure JCA Adapter:

1. Open the **Adapter Application Explorer**.
2. Right click **jca_service** and select **Connect**.
3. Expand **Adapters** and select either **My SAP** or **SAP** depending upon the SAP version that is used for integration.
4. Right click and select **Add Target**. This opens Add Target window.
5. Enter the following details in **Add Target** window.
 - a. Enter SAP Target as **SAPOUTBOUND** in the **Name** field
 - b. Select **Application Server** from **Type** field options.
 - c. Click **OK**.
6. Enter the following SAP log on credentials in **Application Server** window that appears. Contact the SAP Administrator for these details.
 - a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number, which is used for integration.
User	User ID
Password	Password
Language	Language pack installed on the server
Codepage	Codepage of the Language pack installed on the SAP server

- b. Enter the following details in **System** tab.

Field	Description
Gateway Host	SAP Gateway Host IP address / Host Name
Gateway Service	SAP gateway service provider ID

Program ID of the server	Program ID of the server
Application server	IP Address/Host Name of the SAP Application server
System Number	System Number of the SAP client

c. Enter connection pool size in **Advanced** tab.

7. Click **OK**.

8. Right click **SAPOUTBOUND Adapter** configuration and select **Connect** to connect to the **OUTBOUND** adapter.

Configuring Web Service in the JCA Adapter

This process is illustrated using an example of creating web service for MATMAS IDOC.

To configure web service for the JCA adapter:

1. Expand **JCA_Service, Events, MySAP or SAP** (your SAP integration version).
2. Right click **Channel** and select **Add Channel**.
3. Enter the channel name as **MATMAS** in the **Name** field and select **SAP Channel – App Server** as **Protocol** in **Add Channel** screen.
4. Click **Next**.
5. Enter the following SAP log on credentials in **Application Server** window that appears. Contact the SAP Administrator for these details.

a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number, which is used for integration.
User	User ID
Password	Password
Language	Language pack installed on the server
Codepage	Codepage of the Language pack installed on the SAP server

b. Enter the following details in **System** tab.

Field	Description
Gateway Host	SAP Gateway Host IP address / Host Name
Gateway Service	SAP gateway service provider ID
Program ID of the server	Program ID of the server
Application server	IP Address/Host Name of the SAP Application server
System Number	System Number of the SAP client

- c. Select SAP trace check box in **Advanced** tab.
6. Click **OK**.
7. If the **SAPOUTBOUND Adapter** instance is not connected, then right click the channel and select **Start** to start the channel for **SAP Outbound** processing.
8. Right click **SAPOUTBOUND** and select **Connect**.
9. Expand the **SAPOUTBOUND Adapter** instance, **ALE (IDOCs)** for a list of ALE (IDOCs) available in SAP.
10. Right click the required **ALE (IDOCs)** and select **Create Inbound JCA Service (Event)**. In this scenario select **MATMAS01**.
11. Name the WSDL file service in **Export WSDL** window for example WSDL for MATMAS01 IDOC.
12. Click **OK**.

This creates the Outbound web service for MATMAS01.

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Design to Release: Agile - SAP:

1. Check the http://<SOA_HOME>/ibse/IBSEServlet/test to verify whether the IBSE related to the SAP web services are exposed.
2. Check the http://<SOA_HOME>/orainfra/wsdl/adapters/applications/MATMAS01_receive.wsdl?wsdl to verify the JCA based SAP web service is exposed.

Installing Foundation Pack and Design to Release: Agile - SAP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Design to Release: Agile - SAP. Keep the completed worksheets of Foundation Pack and Design to Release: Agile - SAP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Design to Release: Agile – SAP PIP to Install

To choose Design to Release: Agile – SAP PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Agile PLM Design to Release Process Integration Pack for SAP** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Agile PLM Application Details

To specify Agile PLM details:

1. Enter information about your Agile PLM installation in the **Agile Details** screen.

2. Click **Next**.

Specify SAP Application Server Details

To specify SAP Application Server details:

1. Enter information about your SAP Application Server installation in the **SAP Application Server Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform Post-Installation Configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Design to Release: Agile – SAP PIP:

- Deploy Design to Release: Agile – SAP PIP components on the Agile PLM server.
- Verify the component deployment.

Deploying Design to Release: Agile - SAP Components on the Agile PLM Server

To deploy Design to Release: Agile - SAP components on the Agile PLM Server:

1. Download part V18339-01 from Oracle Application Integration Architecture Media Pack 2.5.

It contains plmpip-agile9.zip.

Note: Contact your Oracle sales representative for information on E-Delivery and how to locate the file.

2. Extract the contents of the **plmpip-agile9.zip** file from `<AIA_HOME>/PIPS/Core/Agile/extensions` to a temporary directory on the Agile PLM server.
3. Modify the following entries in the `build.properties` file:

Field	Value
Home directory for Agile PLM	agile.home
FMW host name	http.hostname
FMW port	http.port
Time in Milliseconds	NPR.PX.timeout

4. Open a command prompt or shell window and change to the directory where the file contents were extracted.
5. Verify that ant is in the system path.

Note: Ant is located in the Oracle Application Server Home directory where Agile PLM is hosted.

6. Enter ant on the command line to deploy the components. The jar files are copied onto the Agile application server.
7. Stop the SOA server by running the command `<AGILE_SOA_HOME>/opmn/bin stopall`.
8. Restart the SOA server by running the command `<AGILE_SOA_HOME>/opmn/bin startall`.

9. Verify the installation using steps in the chapter.

Verifying the Component Deployment

To verify that the Design to Release: Agile - SAP components have been deployed, ensure that the AIA.jar and NPR.jar files are listed in the agile_home\integration\sdk\extensions directory.

Read Agile Product Lifecycle Management Integration Pack for SAP: Design to Release 2.5 - Implementation Guide to complete PIP implementation.

Chapter 6: Installing the Design to Release: Agile PLM - JDE E1 PIP

This chapter provides an overview of the Design to Release: Agile PLM - JDE E1 PIP screens in AIA Installer and includes the following sections:

- Performing Pre-Installation Configurations
- AIA Installer Interview for the Design to Release: Agile PLM – JDE E1 PIP
- Installing Foundation Pack and Design to Release: Agile PLM – JDE E1 PIP
- Performing Post-Installation Configurations

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Design to Release: Agile PLM - JDE E1 PIP:

1. Download the patch **p7490384_101340_GENERIC.zip** (BUG 7490384), from the My Oracle Support.
2. Move the zip file to the FMW server and unzip it.
3. Follow the instructions in the README.txt file included with the patch.

AIA Installer Interview for the Design to Release: Agile PLM - JDE E1 PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Design to Release: Agile PLM - JDE E1 PIP. Collect the data required for and enter the details of Design to Release: Agile PLM - JDE E1 PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Agile Details Screen

Use this screen to enter details related to your Agile PLM instance.

The screen contains the following fields:

Field	Description
Agile PLM Host	This value is typically the machine name. Example: example1.corp.oracle.com. Agile PLM Host name is _____
Agile PLM Port	This is the http port. This value depends on the web server port and operating system of your Agile PLM instance. To find this

Field	Description
	value, contact your Agile PLM administrator. Example: 80 . Agile PLM Host is _____
Agile PLM Virtual Path	This value is the same virtual path entered during the Agile PLM installation. Example: Agile . Agile PLM Virtual Path is _____
Agile PLM Integration Username	This is the Agile PLM admin access username. Example: admin . Agile PLM Integration Username is _____
Agile PLM Integration User Password	To find this value, contact your Agile PLM administrator. Agile PLM Integration User Password is _____
Agile Version	This is a drop down list of Agile PLM Application Versions, which is: 9.2.2.x, where x can be either 6 or 7. Note: If you are installing on Agile 9.3.1, then select 9.2.2.x as agile version from the drop down list and add the destination details of 9.3.1. Apply the patch 10371897 after PIP installation.

EnterpriseOne Business Services Information Screen

Use this screen to enter details related to your JD Edwards EnterpriseOne business services.

The screen contains the following fields:

Field	Description
Web Services Platform	This value is the web services platform that is used by EnterpriseOne. Valid platforms include Oracle Application Server (OAS) and WebSphere Application Server (WAS). This value can be OAS or WAS. Example: OAS Web Services Platform is _____
Web Service Server URL	This value is the location of the EnterpriseOne business service URL. Example: http://den60002jems.us.oracle.com:7831/DV900/ or http://dnitsas2.mlab.jdedwards.com:94/DV900_WEB/services/ Web Service Server URL is _____
Environment	This is the environment that the integration proxy user accesses during sign on. To find this value, contact your administrator. Example: DV900 . Environment is _____

Installing Foundation Pack and Design to Release: Agile PLM - JDE E1 PIP

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Design to Release: Agile PLM - JDE E1 PIP. Keep the completed worksheets of Foundation Pack and Design to Release: Agile PLM - JDE E1 PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for each platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit). HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Design to Release: Agile PLM – JDE E1 PIP to Install

To choose Design to Release: Agile PLM - JDE E1 PIP to install:

1. Specify the home directory for the product files in the **Specify the Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Design to Release Integration Pack for Agile Product Lifecycle Management and JD Edwards EnterpriseOne** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check section for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Agile PLM Application Details

To specify Agile PLM details:

1. Enter information about your Agile PLM installation in the **Agile Details** screen.
2. Click **Next**.

Specify EnterpriseOne Business Services Details

To specify EnterpriseOne Business Services details:

1. Enter information about your EnterpriseOne Business Services details in the **EnterpriseOne Business Services Information** screen.

Note: The Web Services platform (OAS / WAS) needs to be selected before entering the Business Service related details.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the Oracle AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Design to Release: Agile PLM - JDE E1 PIP:

- Deploying Design to Release: Agile PLM - JDE E1 components on the Agile PLM server.
- Verifying the component deployment.

Deploying Agile for JDEE1: Design to Release PIP Components on the Agile PLM Server

To deploy Agile for JDEE1: Design to Release PIP components on the Agile PLM Server:

1. Download part V18339-01 from Oracle Application Integration Architecture Media Pack 2.5.

It contains plmpip-agile9.zip.

Note: Contact your Oracle sales representative for information on E-Delivery and how to locate the file.

2. Extract the contents of the **plmpip-agile9.zip** file to a temporary directory on the Agile PLM server.
3. Modify the following entries in the build.properties file:

Field	Value
Home directory for Agile PLM	agile.home
FMW host name	http.hostname
FMW port	http.port
Time in Milliseconds	Timeout

4. Open a command prompt or shell window and change to the directory where the file contents were extracted.
5. Verify that 'ant' is in the system path.

Note: Ant is located in the Oracle Application Server Home directory where Agile PLM is hosted.

6. Enter **ant** on the command line to deploy the components. The jar files are copied onto the Agile application server.
7. Stop the SOA server by running the command `<SOA_HOME>/opmn/bin stopall`.
8. Restart the SOA server by running the command `<SOA_HOME>/opmn/bin startall`.
9. Verify the installation using steps in the chapter.

Verifying the Component Deployment

To verify that the Design to Release: Agile PLM - JDE E1 PIP components have been deployed, ensure that the AIA.jar and NPR.jar files are listed in the `agile_home\integration\sdk\extensions` directory.

Read Oracle Design to Release Integration Pack for Agile Product Lifecycle Management and JD Edwards EnterpriseOne 2.5 – Implementation Guide to complete PIP implementation.

Chapter 7: Installing the Order to Cash: Siebel CRM - EBS PIP

This chapter provides an overview of the Order to Cash: Siebel CRM - EBS PIP screens in AIA Installer and includes the following sections:

- AIA Installer Interview for the Order to Cash: Siebel CRM – EBS PIP
- Installing Foundation Pack and Order to Cash: Siebel CRM – EBS PIP
- Performing Post-Installation Configurations

AIA Installer Interview for the Order to Cash: Siebel CRM - EBS PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Order to Cash: Siebel CRM - EBS PIP. Collect the data required for and enter the details of Order to Cash: Siebel CRM - EBS PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____

<i>E-Business Suite Version</i>	This is the version of the E-Business Suite Application. Valid values for the Order to Cash: Siebel CRM - EBS PIP are 11.5.10 and 12.1.1 . Other versions are not supported in the 2.5 release.
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Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
<i>E-Business Suite Database Host</i>	This value is typically the machine name. To find this value, contact the database administrator. Example: <i>server1.oracle.com</i> . E-Business Suite Database Host is _____
<i>E-Business Suite Database Port</i>	To find this value, contact the database administrator. Example: <i>1521</i> . E-Business Suite Database Port is _____
<i>E-Business Suite Database Username</i>	To find this value, contact the database administrator. Example: <i>apps</i> . E-Business Suite Database Username is _____
<i>E-Business Suite Database Password</i>	To find this value, contact the database administrator. E-Business Suite Database Password is _____
<i>E-Business Suite Database SID (System ID)</i>	To find this value, contact the database administrator. Example: <i>orcl</i> . E-Business Suite Database SID is _____
<i>Database Schema</i>	To find this value, contact the database administrator. Example: <i>server1</i> . This value is optional. Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL (universal resource locator) and data source URLs.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
<i>Siebel Hostname</i>	This value is the fully qualified machine name of the Siebel CRM application. Example: <i>example1.corp.oracle.com</i> .

Field	Description
	Siebel Hostname is _____
Siebel HTTP Port	<p>This is the value of the Siebel CRM application port. To find this value, contact your administrator. Example: 8024.</p> <p>Note: Please enter 80 as the port number, if the default port is used.</p> <p>Siebel HTTP Port is _____.</p>
Siebel EAI Application User	<p>This value is the Siebel integration user used to make EAI web service calls. To find this value, contact your administrator.</p> <p>Siebel EAI Application User is _____</p>
Siebel EAI Application Password	<p>To find this value, contact the database administrator.</p> <p>Siebel EAI Application Password is _____</p>
Siebel Enterprise Server Name	<p>To find this value, contact the administrator.</p> <p>Siebel Enterprise Server Name is _____</p>
Siebel Version	<p>This is the version of the Siebel CRM application. Valid value for Order to Cash: Siebel CRM - EBS PIP is 8.0.0.8 and 8.1.1. Other versions are not supported for the 2.5 release.</p>

Siebel CRM Database Details Screen

The information on this screen is optional. It is required only if you plan to run initial loads to this Siebel instance. Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	<p>This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com</p> <p>Siebel Database Host is _____</p>
Siebel Database Port	<p>To find this value, contact the database administrator. Example: 1521</p> <p>Siebel Database Port is _____</p>
Siebel Database Username	<p>Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345</p> <p>Siebel Database Username is _____</p>
Siebel Database Password	<p>To find this value, contact your administrator.</p> <p>Siebel Database Password is _____</p>
Siebel Database SID	<p>To find this value, contact the database administrator. Example: orcl</p>

Field	Description
	Siebel Database SID is _____

Oracle Transportation Management (OTM) Server Details Screen

Use this screen to enter details related to your OTM server instance. If the Shipping Charges flow of the Order to Cash: Siebel CRM - EBS PIP to Cash PIP is not being used, these details are optional. The screen contains the following fields.

OTM System Name and **OTM System Version** fields are optional.

Field	Description
OTM Host Name	This value is the fully qualified machine name of the OTM application. Example: example1.corp.oracle.com OTM Host Name is _____
OTM HTTP Port	This value is the OTM port. To find this value, contact your administrator. Example: 8024 OTM HTTP Port is _____
OTM User Name	To find this value, contact your administrator. OTM User Name is _____
OTM Password	To find this value, contact your administrator. OTM Password is _____
OTM System Name	This is an optional field. To find this value contact your administrator. OTM System Name is _____
OTM System Version	This is an optional field. To find this value contact your administrator. OTM System Version is _____

Oracle Transportation Management (OTM) Database Details Screen (Optional)

Use this screen to enter details related to your OTM database instance. The screen contains the following fields:

Field	Description
OTM Database Host	This value is the fully qualified machine name of the OTM database. Example: example1.corp.oracle.com OTM Host Name is _____
OTM Database Port	This value is the OTM database port. To find this value, contact your database administrator. Example: 8024 OTM HTTP Port is _____

Field	Description
OTM Database User Name	To find this value, contact your database administrator. OTM User Name is _____
OTM Database Password	To find this value, contact your database administrator. OTM Password is _____
OTM Database SID	This value is OTM Database System ID. To find this value contact your database administrator. OTM Database SID is _____

Installing Foundation Pack and Order to Cash: Siebel CRM - EBS PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Order to Cash: Siebel CRM - EBS PIP. Keep the completed worksheets of Foundation Pack and Order to Cash: Siebel CRM - EBS PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Order to Cash: Siebel CRM - EBS PIP to Install

To choose Order to Cash: Siebel CRM - EBS PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen

Note: If you have an earlier version of Foundation Pack and Order Mgmt: Siebel CRM - EBS PIP installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

4. Select **Siebel CRM Integration Pack for Oracle Order Management: Order to Cash** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite server details:

1. Enter your Oracle E-Business Suite Server information in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite database details:

1. Enter your Oracle E-Business Suite Database connection information in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM server details:

1. Enter your Siebel CRM connection information in the **Application Details – Siebel CRM** screen

2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM database details:

1. Enter your Siebel CRM Database connection information in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Specify Oracle Transportation Management Server Details

To specify details of the Oracle Transportation Management (OTM) Server:

1. Enter your OTM Server information in the **Oracle Transportation Management (OTM) Server Details** screen.
2. Click **Next**.

Oracle Transportation Management (OTM) Database Details Screen (Optional)

To specify details of the Oracle Transportation Management (OTM) Database:

1. Enter your OTM Server information in the **Oracle Transportation Management (OTM) Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the Oracle AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the Oracle AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

1. Apply O2C 2.5 Post-GA Rollup patch #2: Patch ID: 9209660
2. Verify the installation using steps in the chapter.

Read Siebel CRM Integration Pack for Oracle Order Management: Order to Cash 2.5 - Implementation Guide to complete PIP implementation.

Chapter 8: Installing the Order to Cash: Siebel CRM - SAP PIP

This chapter provides an overview of Order to Cash: Siebel CRM - SAP PIP screens in AIA Installer screens and includes the following sections:

- AIA Installer Interview for the Order to Cash: Siebel CRM – SAP PIP
- Installing and Configuring Oracle AS Adapter for SAP
- Performing Pre-Installation Configurations
- Installing Foundation Pack and Order to Cash: Siebel CRM – SAP PIP
- Performing Post-Installation Configurations

AIA Installer Interview for the Order to Cash: Siebel CRM - SAP PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Order to Cash: Siebel CRM - SAP PIP. Collect the data required for and enter the details of Order to Cash: Siebel CRM - SAP PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel Hostname	This value is the fully qualified machine name of the Siebel CRM application. Example: example1.corp.oracle.com . Siebel Hostname is _____
Siebel HTTP Port	This is the value of the Siebel CRM application port. To find this value, contact your administrator. Example: 8024 . Note: Please enter 80 as the port number, if the default port is used. Siebel HTTP Port is _____.
Siebel EAI Application User	This value is the Siebel application user used to make EAI web service calls. To find this value, contact your administrator. Siebel EAI Application User is _____

Field	Description
Siebel EAI Application Password	To find this value, contact the database administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server Name	To find this value, contact the administrator. Siebel Enterprise Server Name is _____
Siebel Version	This is the version of the Siebel CRM application. Valid value for this version is 8.0.0.8.

Note: The value what Siebel will give as enterprise ID should be the same in AIA console

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com Siebel Database Host is _____
Siebel Database Port	To find this value, contact the database administrator. Example: 1521 Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____
Siebel Database Password	To find this value, contact your administrator. Siebel Database Password is _____
Siebel Database SID	To find this value, contact the database administrator. Example: orcl Siebel Database SID is _____

SAP Application Server Details Screen

Use this screen to enter details related to your SAP Application server instance.

The screen contains the following fields:

Field	Description
SAP Application Server Name	This value is the fully qualified machine name of the SAP Application Server. Example: sap.server.name

Field	Description
	SAP Application Server Host Name is _____
System Number	This value is the System Number of the SAP client. To find this value, contact your administrator. Example: sap.system.number SAP System Number is _____
System ID	This value is the System ID of the SAP server. To find this value, contact your administrator. Example: sap.system.id SAP System ID is _____
Client ID	This is the SAP client number, which is used for integration. To find this value, contact your administrator. Example: sap.client.id SAP Client ID is _____
User Name	To find this value, contact your administrator. Example: sap.username SAP User Name is _____
Password	To find this value, contact your administrator. Example: sap.password SAP Password is _____
Language	This value is the Language pack installed on the SAP server. To find this value, contact your administrator. Example: sap.language SAP Language is _____
Code Page	This value is Codepage of the Language pack installed on the SAP server. To find this value, contact your administrator. Example: 1100. Example: sap.codepage SAP Code Page is _____
Gateway Service Name	This value is SAP gateway service provider ID. To find this value, contact your administrator. Example: sap.gateway.service SAP Gateway Service Name is _____
Connection Pool Size	This value is the size of the connection pool i.e. the number of connections in the connection pool. To find this value, contact your administrator. Example: sap.connectionpool.size SAP Connection Pool Size is _____
Gateway Host	This value is the fully qualified machine name of the SAP Gateway Server. Example: sap.gateway.host SAP Gateway Server Host Name is _____
Program ID	This value is the Program ID of the SAP server. To find this value, contact your administrator. Example: sap.program.id SAP Program ID is _____
Sender Port	This value specifies the way from which an Idoc is being transferred to the EDI sub system. Example: A000000068

Field	Description
	Sender Port is _____
Receiver Port	This value specifies the way from which an Idoc is being received from the EDI sub system. Example: SAPIS1 Receiver Port is _____
Message Server Name	This value specifies a server used for load balancing of SAP system. Example: idessapdev Message Server Name is _____

Installing and Configuring Oracle AS Adapter for SAP

You need to install and configure Oracle AS Adapter for SAP before you proceed with Design to Release: Agile - SAP installation. This section discusses:

- Oracle AS Adapter for SAP installation
- Applying Adapter patches
- JCA configurations for Oracle AS Adapter for SAP

Installing Oracle AS Adapter for SAP

To install Oracle AS Adapter for SAP:

1. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter: <code>./runInstaller</code>
Microsoft Windows (32-bit)	Double-click setup.exe

Upon launch, the Oracle AS Adapter Installer displays **Specify File Locations** screen. Use this screen to enter the source location of the file you want to install and destination path and installation name.

2. Enter source path under **Source** and enter the destination path and installation name.
3. Click **Next**.
4. Select **Design-time and Run-Time** option in the select **Installation Type** screen.
5. Click **Next**.
6. Select the appropriate OC4J Instance Name and specify the AS Administrator Password in **Administration Setting** screen.

7. Click **Next**.
8. If the installation process runs successfully, the system displays the **End of Installation** screen.

Applying Adapter Patches

The following list shows all available OEM Adapter patches. Each of these patch files contain a Readme.txt file, which gives you information about applying the patches.

The cumulative patch 7408486 rolls back all the patches and reapplies them while upgrading from Oracle AS Adapter 10.1.3.1 to Oracle AS Adapter 10.1.3.4. However it is advised to apply the patches in the order listed below. These Patches can be downloaded from My Oracle Support.

- Patch 5895585
- Patch 6269861
- Patch 6150988
- Patch 6134345
- Patch 6028862 (1 of 2)
- Patch 6028862 (2 of 2)
- Patch 5956162
- Patch 6339173

Also apply the cumulative patch 7408486 to upgrade Oracle AS Adapter 10.1.3.1 to Oracle AS Adapter 10.1.3.4

JCA Configurations for Oracle AS Adapter for SAP

To fetch the JCA configuration files on the Microsoft Windows platform:

1. Download the **sapjco-ntintel-2.1.8.zip** file from SAP Market Place ().
User should be having appropriate SAP licenses to download and use these files.
2. Extract the files, copy .dll files, and place them in the **C:\Winnt\system32** folder.
3. Copy .dll and .jar files to **SOAHOME\adapters\application\lib** and **SOAHOME\lib**.
4. Stop and restart the application server.

To fetch the JCA configuration files on the Linux platform:

1. Download the **sapjco-linuxintel-2.1.8.zip** file from SAP Market Place ().
User should be having appropriate SAP licenses to download and use these files.
2. Extract the files, copy .so files, and place them in the **/user/lib/** folder.

3. Copy .so and .jar files to **SOAHOME/adapters/application/lib** and **\$ORACLE_HOME /lib**.
4. Stop and restart the application server.

Configuring JCA Adapter

To configure JCA Adapter in the Oracle AS Adapter for SAP:

1. Ensure that Oracle Home and Path variables are set to the current environment.
2. Run **.iwae.sh** script available under **\$ORACLE_HOME/adapters/application/tools** to open the Adapter Application Explorer.
3. Right click <jca_service_name> and select **Connect**.
 'jca_sample' is the default jca service available with the installation.
4. Expand **Adapters** and select **MySAP**.
5. Right click **MySAP** and click **Add Target**. This opens **Add Target** window. Enter the following details in Add Target window.
 - a. Enter SAP Target as **aiao2c** in the **Name** field. Installation fails if you do not set the target as 'aiao2c'.
 - b. Enter description in the Description field (optional).
 - c. Select **Application Server** from **Type** field options.
 - d. Click **OK**.
6. Enter the following SAP credentials in the **Application Server** window that appears. Contact the SAP Administrator for these details.
 - a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number, which is used for integration. This is same as "Client ID" in the SAP Application Server Details screen.
User	User ID. This is same as "User Name" in the SAP Application Server Details screen.
Password	Password. This is same as "Password" in the SAP Application Server Details screen.
Language	Language pack installed on the server
Codepage	Codepage of the Language pack installed on the SAP server. This is same as "Code Page" in the SAP Application Server Details screen.

- b. Enter the following details in **System** tab.

Field	Description
Application server	IP Address/Host Name of the SAP Application server

System Number	System Number of the SAP client
Connection pool name	Default Value is "p1"
Connection pool size	Default Value is "2". This value is same as "Connection Pool Size" in the SAP Application Server Details Screen .
Connection timeout(min)	Default Value is "10"
Connection wait time(sec)	Default Value is "30"

7. Click **OK**.

Configuring Web Service in the JCA Adapter

For IDOCs

To configure web service for the JCA adapter:

This process is illustrated using an example of creating web service for DEBMAS06 IDOC.

1. Expand <jca_service_name> (default is "jca_sample"), Events, MySAP.
2. Right click **Channel** and select **Add Channel**.
3. Enter the channel name as **O2C_DEB** in the **Name** field and select **SAP Channel – App Server as Protocol** in **Add Channel** screen.
4. Click **Next**.
5. Enter the following SAP log on credentials in Application Server window that appears. Contact the SAP Administrator for these details.

a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number, which is used for integration. This is same as "Client ID" in the SAP Application Server Details Screen .
User	User ID. This is same as "User Name" in the SAP Application Server Details Screen .
Password	Password. This is same as the "Password" in the SAP Application Server Details Screen .

a. Enter the following details in **System** tab.

Field	Description
Gateway Host	SAP Gateway Host IP address / Host Name. . This is same as the "Gateway Host" in the SAP Application Server Details Screen .
Gateway Service	SAP gateway service provider ID. This is same as the "Gateway Service Name" in the SAP Application Server Details Screen .

Program ID of the server	Program ID of the server (Program ID corresponding to each channel has to be used)
Application server	IP Address/Host Name of the SAP Application server. This is same as the "SAP Application Server Name" in the SAP Application Server Details Screen .
System Number	System Number of the SAP client. This is same as the "System Number" in the SAP Application Server Details Screen .

6. Select SAP trace check box in **Advanced** tab.

7. Click **OK**.

Start the DEBMA06 channel once for connection test from SAP and stop it.

8. Ensure that you are connected to SAP instance through the target 'aiao2c'.

9. Expand the **IDOCs** link to see a list of IDOCs available in the SAP instance.

10. Right click on **IDOCs** link and find the IDOC **DEBMA064**.

11. Right click on **DEBMA064** and click on **Create Inbound JCA Service (Event)**

12. In the **Export WSDL** window that appears, make sure that you retain the appropriate name of the wsdl interface in the **Name** field and select the corresponding channel from the available list of channels in the **Channel** field. Leave the values of rest of the fields unaltered.

13. Click **OK**.

14. Similarly, follow the above steps 1 to 13 for creating channels and corresponding wsdl interfaces for the required IDOCs.

For Order to Cash: Siebel CRM –SAP PIP involving SAP ECC 6.0 as the SAP end application:

1. Following table lists the mandatory channels and wsdl interfaces associated with required IDOCs to be generated before starting with PIP installation:

Note: It is mandatory to generate the channels and wsdl interfaces with the same naming convention given in the table below.

IDOC Name	Channel Name	WSDL Interface
DEBMA06	DEBMA06	DEBMA06_receive.wsdl
DELVRY05	DELVRY05	DELVRY05_receive.wsdl
DELVRY05.ZDELVRY05	DELVRY05ZDELVRY05	DELVRY05.ZDELVRY05_receive.wsdl
INVOIC02	INVOIC02	INVOIC02_receive.wsdl
MATMAS05	MATMAS05	MATMAS05_receive.wsdl
ORDERS05	ORDERS05	ORDERS05_receive.wsdl

SHPMNT05	SHPMNT05	SHPMNT05_receive.wsdl
DELVR03	DELVR03	DELVR03_receive.wsdl
DELVR03.ZDELVR03	DELVR03ZDELVR03	DELVR03.ZDELVR03_receive.wsdl

2. Additionally, the wsdl interface for the IDOC "DEBMAS04", DEBMAS04_invoke.wsdl must be generated with the same naming convention, as follows:
 - a. Right click **IDOCs** under **aiao2c** target and find the IDOC **DEBMAS04**.
 - b. Right click **DEBMAS04** and click **Create Outbound JCA Service** (Request/Response).
 - c. In the **Export WSDL** window that appears, ensure that the wsdl name in the **Name** field is **DEBMAS04_invoke.wsdl**. Leave the values of rest of the fields unaltered.

Note: PIP installation fails if the channel and wsdl names given in Steps 1 and 2 are not complied with.

For Order to Cash: Siebel CRM –SAP PIP involving SAP R/3 4.7 as the SAP end application:

1. Following table lists the mandatory channels and wsdl interfaces associated with required IDOCs to be generated before starting with PIP installation:

Note: It is mandatory to generate the channels and wsdl interfaces with the same naming convention given in the table below.

IDOC Name	Channel Name	WSDL Interface
DEBMAS06	DEBMAS06	DEBMAS06_receive.wsdl
DELVR03	DELVR03	DELVR03_receive.wsdl
DELVR03.ZDELVR03	DELVR03ZDELVR03	DELVR03.ZDELVR03_receive.wsdl
INVOIC02	INVOIC02	INVOIC02_receive.wsdl
MATMAS05	MATMAS05	MATMAS05_receive.wsdl
ORDERS05	ORDERS05	ORDERS05_receive.wsdl
SHPMNT05	SHPMNT05	SHPMNT05_receive.wsdl

2. Additionally, the wsdl interface for the IDOC "DEBMAS04", DEBMAS04_invoke.wsdl must be generated with the same naming convention, as follows:
 - a. Right click on **IDOCs** under **aiao2c** target and find the IDOC "DEBMAS04".
 - b. Right click on DEBMAS04 and click on Create Outbound JCA Service (Request/Response).
 - c. In the **Export WSDL** window that appears, make sure that the wsdl name in the **Name** field is "DEBMAS04_invoke.wsdl". Leave the values of rest of the fields unaltered.

Note: PIP installation fails if the channel and wsdl names given in Steps 1 and 2 are not complied with.

Note: wsdl's that get created with the tag 'receive' are created by clicking on Create Inbound JCA Service (event) and wsdl's that get created with the tag 'invoke' are created by clicking Create Outbound JCA Service (Request/Response) for the corresponding IDOCs.

Generation of wsdl's For BAPIs

1. Right click on the target **aiao2c** and click **Connect** after giving the password to connect to the SAP Instance.
2. Expand the **Remote Function Modules** link to see a list of **BAPIs** available in the SAP instance.
3. Find the BAPI for which you need to generate a web service interface, right click on the BAPI to create **Outbound JCA Service (Request/Response)**.

Creating Ports

To create ports:

1. Right click **Ports** under **Events, MySAP on Application Explorer** and select **Add Port**.
2. In the Add Port window that appears, fill the **Name** field and select the protocol as **HTTP**.
3. Give the URL of web service interface corresponding to the wsdl generated for a particular BAPI in the **URL** field.
4. Click **OK**.

For Order to Cash: Siebel CRM –SAP PIP involving either SAP ECC 6.0 or SAP R/3 4.7 as the SAP end application:

1. Following table lists the mandatory wsdl interfaces and ports associated with required BAPIs to be generated before starting with PIP installation.

Note: It is mandatory to generate the ports and wsdl interfaces with the same naming convention given in the table below

BAPI Name	WSDL Interface Name	Port Name
BAPI_CREDITCARD_AUTHORIZATION	BAPI_CREDITCARD_AUTHORIZATION_invoke.wsdl	BAPI_CREDITCARD_AUTHORIZATIONPortType
BAPI_CREDITCHECK	BAPI_CREDITCHECK_invoke.wsdl	BAPI_CREDITCHECKPortType

BAPI_MATERIAL_AVAILABILITY	BAPI_MATERIAL_AVAILABILITY_invoke.wsdl	BAPI_MATERIAL_AVAILABILITYPortType
BAPI_SALESORDER_SIMULATE	BAPI_SALESORDER_SIMULATE_invoke.wsdl	BAPI_SALESORDER_SIMULATEPortType
BAPI_CUSTOMER_GETLIST	BAPI_CUSTOMER_GETLIST_invoke.wsdl	BAPI_CUSTOMER_GETLISTPortType
CUSTOMER_CONTACTPS_GET	CUSTOMER_CONTACTPS_GET_invoke.wsdl	CUSTOMER_CONTACTPS_GETPortType
HRCA_CUSTOMER_CONTACT_READ	HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl	HRCA_CUSTOMER_CONTACT_READPortType
ZSD_SALESDOCUMENT_CREATE	ZSD_SALESDOCUMENT_CREATE_invoke.wsdl	ZSD_SALESDOCUMENT_CREATEPortType

2. Additionally, the port "DEBMAS04PortType" must be generated with the same name following the procedure given above.

Note: In addition to the above, you need to create a BAPI with the name BAPI_SALESORDER_CREATEFROMDATA. You need not create any port for this.

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Order to Cash: Siebel CRM - SAP PIP:

1. Configure the Environment Settings
 - a. Create System Environment variable called AIA_HOME and set it to AIA_HOME dir.
 - b. Create System Environment variable called ORACLE_HOME and set it to SOA instance.
2. Check if the target 'aiao2c' is created on **Oracle AS Adapter**.
3. For Order to Cash: Siebel CRM – SAP PIP involving SAP ECC 6.0 as the end application, check if the channels **SHPMNT05**, **MATMAS05**, **DELVR05**, **DELVR05ZDELVR05**, **INVOIC02**, **ORDERS05**, and **DEBMAS06** are created on Oracle AS Adapter. Installation fails if the target and channel are created with names other than the ones above.
4. For Order to Cash: Siebel CRM – SAP PIP involving SAP R/3 4.7 as the end application, check if the channels **SHPMNT05**, **MATMAS05**, **DELVR03**, **DELVR03ZDELVR03**, **INVOIC02**, **ORDERS05**, and **DEBMAS06** are created on Oracle AS Adapter. Installation fails if the target and channel are created with names other than the ones above.
5. Check if the following ports are created on the Oracle AS Adapter. If not the installation fails:

BAPI_CREDITCARD_AUTHORIZATIONPortType

BAPI_SALESORDER_SIMULATEPortType

BAPI_MATERIAL_AVAILABILITYPortType

BAPI_CREDITCHECKPortType

DEBMAS04PortType

BAPI_CUSTOMER_GETLISTPortType

CUSTOMER_CONTACTPS_GETPortType

HRCA_CUSTOMER_CONTACT_READPortType

ZSD_SALESDOCUMENT_CREATEPortType

6. Check the following URLs to verify whether the JCA based SAP web services are exposed:

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/MATMAS05_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DEBMAS04_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DEBMAS06_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_CREDITCARD_AUTHORIZATION_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_SALESORDER_SIMULATE_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_MATERIAL_AVAILABILITY_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_CREDITCHECK_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/INVOIC02_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/ORDERS05_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/SHPMNT05_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_CUSTOMER_GETLIST_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/CUSTOMER_CONTACTPS_GET_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/ZSD_SALESDOCUMENT_CREATE_invoke.wsdl?wsdl

For SAP ECC 6.0 check the following URLs to verify whether the JCA based SAP web services are exposed:

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DELVR05.ZDELVR

Y05_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DELVR05_receive.wsdl?wsdl

For SAP R/3 4.7 check the following URLs to verify whether the JCA based SAP web services are exposed

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DELVR03.ZDELVR03_receive.wsdl?wsdl

http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DELVR03_receive.wsdl?wsdl

Installing Foundation Pack and Order to Cash: Siebel CRM - SAP PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Order to Cash: Siebel CRM - SAP PIP. Keep the completed worksheets of Foundation Pack and Order to Cash: Siebel CRM - SAP PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Order to Cash: Siebel CRM - SAP PIP to Install

To choose Order to Cash: Siebel CRM - SAP PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Order to Cash Integration Pack for Siebel CRM and SAP** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM server details:

1. Enter your Siebel CRM connection information in the **Application Details – Siebel CRM** screen
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM database details:

1. Enter your Siebel CRM Database connection information in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Specify SAP Application Server Details

To specify SAP Application Server details:

1. Enter information about your SAP Application Server installation in the **SAP Application Server Details** screen.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the Oracle AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the Oracle AIA Installer.

Note: For SAP R/3 4.7, the installation errors with the following error message: "OUI-25031: Some of the configuration assistants failed/cancelled. It is strongly recommended that you retry the configuration assistants at this time. Not successfully running any "Recommended" assistants means that your system will not be correctly configured." Do not exit the Oracle AIA Installer, but perform the tasks mentioned in post installation configurations for SAP R/3 4.7

6. Restart Oracle SOA Suite.

Performing Post installation Configurations

Depending on the SAP system you are using, you need to perform the following post installation configurations.

Post Installation Steps for SAP ECC 6.0

1. Apply the patch 9122071 on \$AIAHOME.
2. Verify the installation using steps in the chapter.

Post Installation Steps for SAP R/3 4.7

1. Apply the patch 9122071 on AIA.
2. Navigate back to the Oracle AIA Installer and click **Retry** to finish the PIP installation.
3. Open the AIA Console (for example)
4. Enter the Username and password. The username and password are same as that present in Details of the Local SOA Suite Installation Screen.
5. Under **Setup**, click **Go**.
6. Click **System** Tab.
7. Change the version of SAP to 4.7.
8. Click on **Save**.
9. Navigate to **Configuration** tab and click **Reload**.
10. Verify the installation using steps in the chapter.

Read Oracle Order to Cash Integration Pack for Siebel CRM and SAP 2.5 - Implementation Guide to complete PIP implementation.

Chapter 9: Installing Siebel CRM to OIC Integration

This chapter provides an overview of Siebel CRM to OIC screens in AIA Installer and includes the following sections:

- Configuring Oracle Data Integrator
- Creating Oracle Data Integrator Repositories
- AIA Installer Interview for Siebel CRM to OIC
- Installing Siebel CRM to OIC
- Performing Post-Installation Configurations

Configuring Oracle Data Integrator

To run AIA Installer you must have Oracle Data Integrator (ODI) access with Supervisor privileges.

For installation purposes, the ODI software must reside at the same server where Foundation Pack is installed. Once the PIP installation is complete, the ODI software can be installed onto another server (if desired) connecting to the master and work repositories used during the PIP installation.

Creating Oracle Data Integrator Repositories

You can use an existing master repository as long as it exists on an Oracle database and its ID is not 778. If the ID is 778, AIA advises you to create a new master repository.

You can use an existing work repository as long as it exists on an Oracle database and its ID is not 900. If the ID is 900, AIA advises you to create a new repository and not to use 900 as the Work Repository ID.

When you run AIA Installer, it inserts or updates the ODI artifacts into these repositories.

AIA recommends that you make a backup copy of master and work repositories before you start the installation process.

For information about creating Oracle Data Integrator Master and Work repositories, see the *Oracle Data Integrator Installation Guide*, “Creating Repositories.”

AIA Installer Interview for Siebel CRM to OIC

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Siebel CRM to OIC integration. Collect the data required for and enter the details of Siebel CRM to OIC Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error-free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: SID.server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	This is the version of the E-Business Suite Application. The valid value for the Siebel CRM to OIC is 12.1.1 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite	To find this value, contact the database administrator. Example:

Field	Description
Database Port	1521. E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps. E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl. E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1. Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL (universal resource locator) and data source URLs.

Application Details - Siebel CRM Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel Hostname	This value is the fully qualified machine name of the Siebel CRM application. Example: example1.corp.oracle.com. Siebel Hostname is _____
Siebel HTTP Port	This is the value of the Siebel CRM application port. To find this value, contact your administrator. Example: 8024. Note: Enter 80 as the port number if the default port is used. Siebel HTTP Port is _____.
Siebel EAI Application User	This value is the Siebel application user used to make EAI web service calls. To find this value, contact your administrator. Siebel EAI Application User is _____
Siebel EAI Application Password	To find this value, contact the database administrator. Siebel EAI Application Password is _____

Field	Description
Siebel Enterprise Server Name	To find this value, contact the administrator. Siebel Enterprise Server Name is _____
Siebel Version	This is the version of the Siebel CRM application. Valid values for Siebel CRM to OIC are 7.8.2.x SIA, 8.0.0.x SIA, and 8.1.1.x SIA. Other versions are not supported for the AIA 2.5 release. Note: See My Oracle Support for the latest updates to supported versions.

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com Siebel Database Host is _____
Siebel Database Port	To find this value, contact the database administrator. Example: 1521 Siebel Database Port is _____
Siebel Database Username	To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____
Siebel Database Password	To find this value, contact your administrator. Siebel Database Password is _____
Siebel Database SID	To find this value, contact the database administrator. Example: orcl Siebel Database SID is _____

Oracle Data Integrator Access Details Screens

Oracle Data Integration Access Information is captured in three screens. Use these screens to enter details to access Oracle Data Integrator.

The screens contain the following fields:

Field	Description
Path to Oracle Data Integrator	This value is the fully qualified Path to the ODI HOME including the oracledi directory. The default is the environment variable ODI_HOME. Linux example: /slot/ems2467/abc/odi/oracledi .

Field	Description
	Path to ODI is _____ Note: The existence of the ODI software is validated by checking whether odiparams.sh (or .bat) exists in the ODI_HOME/bin directory.
ODI User	Enter the user name to access ODI. Example: SUPERVISOR . ODI user is _____
ODI Password	Enter the password to access ODI. Example: SUNOPSIS . ODI password is _____
Path for exported DVMs	Enter the path to the directory to export domain value mappings (DVMs). Example: \$AIA_HOME/PIPS/Core/SeedData/DVM One of the steps for setting up the PIP is to export some DVMs to a location. The installer needs to know this location in order to configure ODI artifacts during the install. It is recommended to choose this location in the same server where ODI Software will run. Path for Exported DVMs is _____

Oracle Data Integrator Master Repository Details Screen

Use this screen to enter details to access the Oracle Data Integrator master repository.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: server1.oracle.com ODI Master Repository Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: 1606 ODI Master Repository Database Port Number is _____
Database Username	To find this value, contact your database administrator. Example: snpm ODI Master Repository Database Username is _____
Database Password	To find this value, contact your database administrator. Example: snpm ODI Master Repository Database Password is _____
Database SID	To find this value, contact your database administrator. Example:

Field	Description
	orcl ODI Master Repository Database SID is _____

Oracle Data Integrator Work Repository Details for Siebel CRM to OIC Screen

The install process imports the Siebel CRM to OIC ODI artifacts into an ODI work repository. You can provide an existing ODI work repository or provide an empty one. It is recommended to use an empty repository.

Use this screen to enter details related to the ODI work repository.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI work repository for Siebel CRM to OIC Artifacts. Example: SIEBELCRMOIC ODI Work Repository Name is: _____
ODI Work Repository ID	Enter the ID number that you used for the ODI work repository. It should be between 1 and 899. Example: 42 Do not use 900. Also do not use the ID already used for other work repositories. ODI Work Repository ID is: _____

Installing Siebel CRM to OIC

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Siebel CRM to OIC integration. Keep the completed worksheets of Foundation Pack and Siebel CRM to OIC screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>

Platform	To launch the Oracle AIA Installer:
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	Double-click setup.exe

- Click **Next**.

Choose Siebel CRM to OIC to Install

To choose Siebel CRM to OIC to install:

- Specify the home directory for the product files in the **Select a Product to Install** screen

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

- Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

- Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
- Select **Siebel CRM Integration to Oracle Incentive Compensation** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

- Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

- Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.

2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite server details:

1. Enter your Oracle E-Business Suite server connection information in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite database details:

1. Enter your Oracle E-Business Suite database connection information in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Siebel CRM Application Details

To specify Siebel CRM application details:

1. Enter your Siebel CRM application information in the **Application Details - Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM database details:

1. Enter your Siebel CRM database connection information in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator access details:

1. Enter information about your Oracle Data Integrator access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration access information is captured in three screens. Enter the following information in the screens.

2. Specify the **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.
6. Specify the **Path for exported DVMs**.

7. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator master repository details:

1. Enter information about your Oracle Data Integrator master repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details for Siebel CRM to OIC

To specify Oracle Data Integrator work repository details for Siebel CRM to OIC:

1. Enter information about your Oracle Data Integrator work repository installation in the **Oracle Data Integrator Work Repository for Siebel CRM to OIC** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the Oracle AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the Oracle AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the Oracle AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations

Performing Post-Installation Configurations

You need to perform the following post-installation configurations:

Associate the Oracle Data Integrator with the work repository.

Populate the COMPENSATION_ORGANIZATION_ID xref manually.

Associating the Metadata Navigator with the Work Repository

The Oracle Data Integrator Metadata Navigator is initially associated with the default work repository. It must be associated with the work repository that is created for the Siebel CRM to OIC integration.

To associate the Metadata Navigator with the work repository created for Siebel CRM to OIC:

1. Open the files:

```
<ODI_HOME>/bin/snps_login_work.xml
```

```
<ORACLE_HOME>/j2ee/oc4j_soa/applications/ODIMeta/oracledimn/WEB-INF/snps_login_work.xml
```

2. Change the following value in the SnpLogin block to the name of the work repository created for the integration.

```
<Field name="LoginWorkRepository"
type="java.lang.String"><![CDATA[TESTWORKREP01]]></Field>
```

For example, if SIEBELOIC is the name of the work repository that is created for the integration, then the field should be changed to:

```
<Field name="LoginWorkRepository"
type="java.lang.String"><![CDATA[SIEBELOIC]]></Field>
```

3. Restart the application server.

The Metadata Navigator is now associated with the work repository of Siebel CRM to OIC and all artifacts can be viewed in the navigator through the Repository-Supervisor-Sunopsis login.

Populating the COMPENSATION_ORGANIZATION_ID Xref Manually

You need to populate the COMPENSATION_ORGANIZATION_ID xref manually.

To populate COMPENSATION_ORGANIZATION_ID manually:

1. Create the xref data file as COMPENSATION_ORGANIZATION_ID.xml, for example:

```
<xref xmlns="http://xmlns.oracle.com/xref">
<table name="COMPENSATION_ORGANIZATION_ID">
<columns>
<column name="EBIZ_01"/>
<column name="SEBL_01"/>
<column name="COMMON"/>
</columns>
<rows>
<row>
<cell colName="EBIZ_01">204</cell>
<cell colName="SEBL_01">1CE-2MN</cell>
<cell colName="SEBL_01">1CE-2UU</cell> <!-- M:1 relationship -->
<cell colName="COMMON">204</cell>
</row>
<row>
<cell colName="EBIZ_01">911</cell>
<cell colName="SEBL_01">88-25CI5</cell>
<cell colName="COMMON">88-25CI5</cell>
</row>
</rows>
</table>
</xref>
```

2. Run the **xrefimport** tool to import the cross-references as follows:
 - a. Copy **COMPENSATION_ORGANIZATION_ID.xml** to a temp directory on the SOA Server.
 - b. Telnet to the SOA Server, then change the directory to the **xrefimport tool home**:


```
-bash-3.00$ cd $SOA_HOME/integration/esb/bin
```
 - c. Set the following environment variables:


```
-bash-3.00$ export OC4J_USERNAME=oc4jadmin
-bash-3.00$ export OC4J_PASSWORD=welcome1
-bash-3.00$ export DB_USER=aia
```

```
-bash-3.00$ export DB_PASSWORD=aia
```

```
-bash-3.00$ export DB_URL="jdbc:oracle:thin:@  
sdc68010crm.us.oracle.com:1610:ovm10crm"
```

- d. Import the **COMPENSATION_ORGANIZATION_ID** xref using the following command:

```
bash-3.00$. xrefimport.sh -file $AIA_HOME/COMPENSATION_ORGANIZATION_ID.xml
```

If you need to update the mappings between Siebel CRM and Oracle Incentive Compensation, you must first delete the COMPENSATION_ORGANIZATION_ID values from the xref table and then populate the xref manually.

To delete the COMPENSATION_ORGANIZATION_ID values from the xref table:

1. Run the following SQL command against the AIA database:

```
delete from XREF_DATA where  
XREF_TABLE_NAME='COMPENSATION_ORGANIZATION_ID'
```

3. Verify the installation using steps in the chapter

Read Siebel CRM Integration to Oracle Incentive Compensation 2.5 - Implementation Guide to complete the implementation.

Chapter 10: Installing the Customer MDM Base Pack

This chapter provides an overview of Customer MDM Base Pack screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Customer MDM Base Pack

Performing Pre-Installation Configurations

Installing Foundation Pack and Customer MDM Base Pack

Performing Post-Installation Configurations

AIA Installer Interview for the Customer MDM Base Pack

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Customer MDM Base Pack. Collect the data required for and enter the details of Customer MDM Base Pack screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle Customer Hub (OCH) Screen

Use this screen to enter details related to your OCH server instance.

The screen contains the following fields:

Field	Description
<i>OCH Hostname</i>	This value is the fully qualified machine name of the OCH application. Example: <i>example1.corp.siebel.com</i> . OCH Hostname is _____
<i>OCH HTTP Port</i>	This value is the Siebel UCM application port. To find this value, contact your administrator. Example: <i>8024</i> . OCH <i>HTTP</i> Port is _____
<i>OCH EAI Application User</i>	To find this value, contact the database administrator. OCH EAI Application User is _____
<i>OCH EAI Application Password</i>	To find this value, contact the database administrator. OCH EAI Application Password is _____
<i>OCH Enterprise Server Name</i>	To find this value, contact the database administrator. OCH Enterprise Server Name is _____

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Customer MDM Base Pack:

1. Configure the Environment Settings
 - a. Create System Environment variable called AIA_HOME and set it to AIA_HOME dir.
 - b. Create System Environment variable called ORACLE_HOME and set it to SOA instance.

Installing Foundation Pack and Customer MDM Base Pack

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Customer MDM Base Pack. Keep the completed worksheets of Foundation Pack and Customer MDM Base Pack screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Customer MDM Base Pack to Install

To choose Customer MDM Base Pack to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Customer Master Data Management Integration Base Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle Customer Hub Server Details

To specify Oracle Customer Hub Server details:

1. Enter information about your Oracle Customer Hub Server in the **Application Details - Oracle Customer Hub** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

1. Apply the following patch

My Oracle Support Patch Number	Description
9072407	MDM CUSTOMER 2.5 POST GA PATCH

2. Verify the installation using steps in the chapter.

Read Oracle Customer Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 11: Installing Customer MDM: Siebel CRM

This chapter provides an overview of Customer MDM: Siebel CRM screens in AIA Installer and includes the following sections:

AIA Installer Interview for Customer MDM: Siebel CRM

Performing Pre-Installation Configurations

Installing Foundation Pack and Customer MDM: Siebel CRM

AIA Installer Interview for Customer MDM: Siebel CRM

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Customer MDM: Siebel CRM. Collect the data required for and enter the details of Customer MDM: Siebel CRM screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel Hostname	This value is the fully qualified machine name of the Siebel CRM application. Example: example1.corp.siebel.com . Siebel Hostname is _____
Siebel HTTP Port	This value is the Siebel CRM application port. To find this value, contact your administrator. Example: 8024 . Siebel HTTP Port is _____
Siebel EAI Application User	To find this value, contact your administrator. Siebel EAI Application User is _____
Siebel EAI Application Password	To find this value, contact your administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server Name	To find this value, contact your administrator. Siebel Enterprise Server Name is _____
Siebel Version	This is the version of the Siebel CRM application. Valid value for

Field	Description
	Customer Hub PIP is 8.0.0.8. Other versions are not supported for the 2.5 release.

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.corp.siebel.com . Siebel Database Host is _____
Siebel Database Port	To find this value, contact the database administrator. Example: 1521 . Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 . Siebel Database Username is _____
Siebel Database Password	To find this value, contact the database administrator. Siebel Database Password is _____
Siebel Database SID	To find this value, contact the database administrator. Siebel Database System ID is _____

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Customer MDM: Siebel CRM:

1. Configure the Environment Settings
 - a. Create System Environment variable called AIA_HOME and set it to AIA_HOME dir.
 - b. Create System Environment variable called ORACLE_HOME and set it to SOA instance.

Installing Foundation Pack and Customer MDM: Siebel CRM

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Customer MDM: Siebel CRM. Keep the completed worksheets of Foundation Pack and Customer MDM: Siebel CRM screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Customer MDM: Siebel CRM to Install

To choose Customer MDM: Siebel CRM to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Customer Master Data Management Integration Option for Siebel CRM** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM Server details:

1. Enter information about your Siebel CRM Server in the **Application Details – Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM Database details:

1. Enter information about your Siebel CRM Database the **Siebel CRM Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Verify the installation using steps in the chapter.

Read Oracle Customer Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 12: Installing Customer MDM: EBS

This chapter provides an overview of Customer MDM: EBS screens in AIA Installer and includes the following sections:

AIA Installer Interview for Customer MDM: EBS

Performing Pre-Installation Configurations

Installing Foundation Pack and Customer MDM: EBS

AIA Installer Interview for Customer MDM: EBS

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Customer MDM: EBS. Collect the data required for and enter the details of Customer MDM: EBS screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: SID.US.ORACLE.COM . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	This is the version of the E-Business Suite Application. Valid value for the Customer Hub PIP is 11.5.10 or 12.1.1. Other versions are _____

Field	Description
	not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1 . This field is optional for this PIP. Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Customer MDM: EBS:

1. Configure the Environment Settings
 - a. Create System Environment variable called AIA_HOME and set it to AIA_HOME dir.
 - b. Create System Environment variable called ORACLE_HOME and set it to SOA instance.

Installing Foundation Pack and Customer MDM: EBS

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Customer MDM: EBS. Keep the completed worksheets of Foundation Pack and Customer MDM: EBS screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Customer MDM: EBS to Install

To choose Customer MDM: EBS to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Customer Master Data Management Integration Option for Oracle E-Business Suite** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Verify the installation using steps in the chapter.

Read Oracle Customer Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 13: Installing Customer MDM: Comms BRM

This chapter provides an overview of Customer MDM: Comms BRM screens in AIA Installer and includes the following sections:

AIA Installer Interview for Customer MDM: Comms BRM

Performing Pre-Installation Configurations

Installing Foundation Pack and Customer MDM: Comms BRM

AIA Installer Interview for Customer MDM: Comms BRM

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Customer MDM: Comms BRM. Collect the data required for and enter the details of Customer MDM: Comms BRM screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle Communications BRM Screen

Use this screen to enter details related to your Oracle Communications BRM instance.

The screen contains the following fields:

Field	Description
Host Name	This is the host name of the primary Connection Manager (CM) of the BRM server. For example: example1.portal.com . To find this value, contact your Oracle AQ system administrator. Host Name is _____
Port Number	This is the port number of primary Connection Manager (CM) of the BRM server. For example: 12600 . To find this value contact your Oracle AQ database administrator System Administrator Port Number is _____
Database Host Name	This is the database host name of the Oracle AQ for which the BRM DM_AQ is configured. For example: example2.portal.com . To find this value, contact your Oracle AQ database administrator Database Hostname is _____
Database Port	This is the database port number of the Oracle AQ. For example: 1521 . To find this value, contact your Oracle AQ database administrator.

Field	Description
	Database Port is _____
<i>SID</i>	This is the database instance of the Oracle AQ. For example: <i>orcl</i> . To find this value, contact your Oracle AQ database administrator. SID is _____
<i>Username</i>	This is the database username of the Oracle AQ. For example: <i>portalUser</i> . To find this value, contact your Oracle AQ database administrator.
<i>Password</i>	This is the database password of the Oracle AQ. To find this value, contact your Oracle AQ database administrator. Password is _____
<i>AQ Queue Name</i>	This is the queue name configured for the BRM DM_AQ. For example: <i>AqportalUser</i> . To find this value, contact your Oracle AQ database administrator. AQ Queue Name is _____

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Oracle Customer Hub PIP – Oracle BRM

1. Configure the Environment Settings

- a. Verify if the following System Environment variables are present: AIA_HOME and ORACLE_HOME.
- b. If they are not present then create the System Environment variables for

AIA_HOME and set it to AIA_HOME dir.

ORACLE_HOME and set it to SOA instance.

Installing Foundation Pack and Customer MDM: Comms BRM

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Customer MDM: Comms BRM. Keep the completed worksheets of Foundation Pack and Customer MDM: Comms BRM screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Customer MDM: Comms BRM to Install

To choose Customer MDM: Comms BRM to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Customer Master Data Management Integration Option for Oracle Communications Billing and Revenue Management** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle Communications BRM Details

To specify Oracle Communications BRM details:

1. Enter Oracle Communications BRM information in the **Oracle Communications BRM** screen.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart **Oracle SOA Suite**.
7. Verify the installation using steps in the chapter.

Read Oracle Customer Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 14: Installing Customer MDM: SAP

This chapter provides an overview of Customer MDM: SAP screens in AIA Installer screens and includes the following sections:

Installing and Configuring Oracle AS Adapter for SAP

AIA Installer Interview for Customer MDM: SAP

Performing Pre-Installation Configurations

Installing Foundation Pack and Customer MDM: SAP

Performing Post-Installation Configurations

Installing and Configuring Oracle AS Adapter for SAP

You need to install and configure Oracle AS Adapter for SAP before you proceed with Customer MDM: SAP installation. This section discusses:

Oracle AS Adapter for SAP installation

Applying Adapter patches

JCA configurations for Oracle AS Adapter for SAP

Installing Oracle AS Adapter for SAP

To install Oracle AS Adapter for SAP:

1. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter: <code>./runInstaller</code>
Microsoft Windows (32-bit)	Double-click setup.exe

Upon launch, the Oracle AIA Installer displays **Specify File Locations** screen. Use this screen to enter the source location of the file you want to install and destination path and installation name.

2. Enter source path under **Source** and enter the destination path and installation name.
3. Click **Next**.

4. Select **Design-time and Run-Time** option in the select **Installation Type** screen.
5. Click **Next**.
6. Select the appropriate **OC4J Instance Name** and specify the AS Administrator Password in **Administration Setting** screen.
7. Click **Next**.
8. If the installation process runs successfully, the system displays the **End of Installation** screen.

Applying Adapter Patches

The following list shows all available OEM Adapter patches. These patch files contain a Readme.txt file, which gives you information about applying the patches.

The cumulative patch 7408486 rolls back all the patches and reapplies them while upgrading from Oracle AS Adapter 10.1.3.1 to Oracle AS Adapter 10.1.3.4. However it is advised to apply the patches in the order listed below. These Patches can be downloaded from My Oracle Support.

Patch 5895585

Patch 6269861

Patch 6150988

Patch 6134345

Patch 6028862 (1 of 2)

Patch 6028862 (2 of 2)

Patch 5956162

Patch 6339173

Also apply the cumulative patch 7408486 to upgrade Oracle AS Adapter 10.1.3.1 to Oracle AS Adapter 10.1.3.4

JCA Configurations for Oracle AS Adapter for SAP

To fetch the JCA configuration files on the Microsoft Windows platform:

1. Download the **sapjco-ntintel-2.1.8.zip** file from SAP Market Place ().
User should be having appropriate SAP licenses to download and use these files.
2. Extract the files, copy .dll files, and place them in the **C:\Winnt\system32** folder.

3. Copy .dll and jar files to **SOAHOME/adapters/application/lib**.
4. Stop and restart the application server.

To fetch the JCA configuration files on the Linux platform:

1. Download the **sapjco-linuxintel-2.1.8.zip** file from SAP Market Place ().
User should be having appropriate SAP licenses to download and use these files.
2. Extract the files, copy .so files, and place them in the **\user\lib** folder.
3. Copy .so and jar files to **SOAHOME/adapters/application/lib**.
4. Stop and restart the application server.

Configuring JCA Adapter

To configure JCA Adapter in the Oracle AS Adapter for SAP:

1. Run **.iwae.sh** script available under **\$ORACLE_HOME/adapters/application/tools** to open the Adapter Application Explorer.

Note: Before executing **iwae.sh** script, ensure that the Oracle Home and Path variables are set to the current environment.

2. Right click **<jca_service_name>** and select **Connect**.

jca_service_name has to be configured in **oc4j-ra.xml** file available under
\$ORACLE_HOME/j2ee/oc4j_soa/application-deployments/default/jca-app-adapter and
\$ORACLE_HOME/j2ee/oc4j_soa/connectors/jca-app-adapter/jca-app-adapter/META-INF
3. Expand **Adapters** and select **MySAP**.
4. Right click and select **Add Target**. This opens **Add Target** window. Enter the following details in Add Target window.
 - a. Enter SAP Target as **aiao2c** in the **Name** field. This name must be used for the installation to be successful. (The same name is given while configuring the JCA adapter)
 - b. Enter description in the Description field (Optional)
 - c. Select **Application Server** from **Type** field options.
 - d. Click **OK**.
5. Enter the following SAP log on credentials in **Application Server** window that appears. Contact the SAP Administrator for these details.
 - a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number. This is the client ID in the SAP application server details table. (see the SAP application server details table below)
User	User ID. This is the username in the SAP application server details table. (see the SAP application server details table below)
Password	Password. This is the password in the SAP application server details table. (see the SAP application server details table below)
Language	Language pack installed on the server. Default value is EN.
Codepage	Codepage of the Language pack installed on the SAP server. This is the codepage in the SAP application server details table. (see the SAP application server details table below)

b. Enter the following details in **System** tab.

Field	Description
Application server	IP Address/Host Name of the SAP Application server
System Number	System Number of the SAP client
Connection pool name	Default value is 'p1'
Connection pool size	This value is same as 'Connection Pool Size' in SAP application server details table. (see the SAP application server details table below). Default value is '2'.
Connection timeout (min)	Default value is '10'
Connection wait time (sec)	Default value is '30'

6. Click **OK**.

7. Right click on target and click 'connect' after entering the password to connect to the SAP instance.

Configuring Web Service in the JCA Adapter

To configure web service for the JCA adapter:

This process is illustrated using an example of creating web service for DEB MAS IDOC.

1. Expand **JCA_Service**, **Events** and **MySAP**.
2. Right click **Channel** and select **Add Channel**.
3. Enter the channel name as **OCH_DEB** (this name must be used for successful installation of the PIP) in the **Name** field and select **SAP Channel – App Server** as **Protocol** in **Add Channel** screen.
4. Click **Next**.
5. Enter the following SAP log on credentials in **Application Server** window that appears. Contact the SAP Administrator for these details.

a. Enter the following details in **User** tab.

Field	Description
Client	This is the SAP client number. This is the Client ID in the SAP application server details table (see the SAP application server details table below)
User	This is the User Name (see the SAP application server details table below)
Password	Password. This is the Password in SAP application server details table. (see the SAP application server details table below)

b. Enter the following details in **System** tab.

Field	Description
Gateway Host	SAP Gateway Host IP address / Host Name. This is same as the "Gateway Host" in SAP application server details table. (see the SAP application server details table below)
Gateway Service	SAP gateway service provider ID. This is the gateway service name in the SAP application server details table below.
Program ID of the server	Program ID of the server (For example OCH_DEB for this PIP)
Application server	IP Address/Host Name of the SAP Application server. This is same as the "SAP Application Server Name" in SAP application server details table. (see the SAP application server details table below)
System Number	System Number of the SAP client. This is same as the "System Number" in SAP application server details table. (see the SAP application server details table below)

6. Select SAP trace check box in **Advanced** tab.

7. Click **OK**.

Start the OCH_DEB channel once for connection test from SAP and stop it.

8. Right click on the target **aiao2c** and connect to SAP instance.

9. Expand the **IDOCs** link to see a list of IDOCs available in the SAP instance.

10. Right click on **DEBMAS04** and click on **Create Outbound JCA Service (Request/Response)**

Make sure that the wsdl name is retained as DEBMAS04_Invoke.wsdl. If you change it installation fails.

11. Generate the following wsdl with the same naming convention:

DEBMAS04_invoke.wsdl

DEBMAS06_receive.wsdl

Note: wsdl created with the tag 'receive' are created by clicking on Inbound JCA Service (event) for the corresponding IDOC.

Creating Ports

To create ports:

1. Right click **Ports** under **Events** on Application Explorer.
2. Fill the **Name** field and select the protocol as **HTTP**.
3. Give the URL of the web service interface **DEBMAS04_invoke.wsdl** in the URL field.
4. Click **OK**.
5. Similarly, create ports for **BAPI_CUSTOMER_GETLIST_invoke.wsdl**, **CUSTOMER_CONTACTPS_GET_invoke.wsdl** and **HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl**.
6. Expand the remote function modules link to see a list of functions available in the SAP instance.
7. Right click on remote function modules link and find the **BAPI_CUSTOMER_GETLIST**. Right click on **BAPI_CUSTOMER_GETLIST** and click on create outbound JCA service (Request/Response)
8. Ensure that the wsdl name is retained as **BAPI_CUSTOMER_GETLIST_invoke.wsdl**.

This is an important thing to note for the installation to be successful.

9. Click **OK**.
10. Similarly create for **CUSTOMER_CONTACTPS_GET_invoke.wsdl** and **HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl** in remote function modules link.
11. Check the following wsdl's are present in **SOA_HOME/adapters/application/wsdl's** directory with the same naming convention:

BAPI_CUSTOMER_GETLIST_invoke.wsdl

CUSTOMER_CONTACTPS_GET_invoke.wsdl

HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl

12. Restart the server.

AIA Installer Interview for Customer MDM: SAP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Customer MDM: SAP. Collect the data required for and enter the details of Customer MDM: SAP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Application Details - Oracle Customer Hub Server Screen

Use this screen to enter details related to your OCH server instance.

The screen contains the following fields:

Field	Description
OCH Host Name	This value is fully qualified machine name of the OCH application. Example: example1.corp.siebel.com OCH Hostname is _____
OCH HTTP Port	This value is the OCH application port. To find this value, contact your administrator. Example: 8024 . OCH HTTP Port is _____
OCH EAI Application User	To find this value, contact the database administrator. OCH EAI Application User is _____
OCH EAI Application Password	To find this value, contact the database administrator. OCH EAI Application Password is _____
OCH Enterprise Server Name	To find this value, contact the database administrator. OCH Enterprise Server Name is _____

SAP Application Server Details Screen

Enter details related to your SAP Application server instance.

You need to specify the following fields in deploy.properties file:

Field	Description
SAP Application Server Name	This value is the fully qualified machine name of the SAP Application Server. Example: sap.server.name SAP Application Server Host Name is _____
System Number	This value is the System Number of the SAP client. To find this value, contact your administrator. Example: sap.system.number SAP System Number is _____ Note: This is optional for this PIP
System ID	This value is the System ID of the SAP server. To find this value, contact your administrator. Example: sap.system.id SAP System ID is _____
Client ID	This is the SAP client number, which is used for integration. To find this value, contact your administrator. Example: sap.client.id SAP Client ID is _____
User Name	To find this value, contact your administrator. Example: sap.username SAP User Name is _____

Field	Description
Password	To find this value, contact your administrator. Example: sap.password SAP Password is _____
Language	This value is the Language pack installed on the SAP server. To find this value, contact your administrator. Example: sap.language SAP Language is _____
Code Page	This value is Codepage of the Language pack installed on the SAP server. To find this value, contact your administrator. Example: 1100. Example: sap.codepage SAP Code Page is _____
Gateway Service Name	This value is SAP gateway service provider ID. To find this value, contact your administrator. Example: sap.gateway.service SAP Gateway Service Name is _____
Connection Pool Size	This value is the size of the connection pool i.e. the number of connections in the connection pool. To find this value, contact your administrator. Example: sap.connectionpool.size SAP Connection Pool Size is _____
Gateway Host	This value is the fully qualified machine name of the SAP Gateway Server. Example: sap.gateway.host SAP Gateway Server Host Name is _____
Program ID	This value is the Program ID of the SAP server. To find this value, contact your administrator. Example: sap.program.id SAP Program ID is _____
Sender Port	The value is the Sender port number Example: A000000068 SAP Sender Port is _____
Receiver Port	The value is the Receiver port number Example: SAPIS1 SAP Receiver Port is _____
Message Server Name	The value is the name of the Message Server. Example: idessapdev The Message Server Name is _____

Performing Pre-Installation Configurations

To fulfill the prerequisites for installation of the Customer MDM: SAP

1. Configure the Environment Settings
 - a. Create System Environment variable called AIA_HOME and set it to AIA_HOME dir.

- a. Create System Environment variable called ORACLE_HOME and set it to SOA instance.
2. Check if the target **aiao2c** and channel **OCH_DEB** are created on **Oracle AS Adapter**. Installation fails if the target and channel are created with other than the above names.
3. Check if the port by name **DEBMAS04PortType** is created on Oracle AS Adapter. Installation fails if the port is created with any other name.
4. Check the following URLs to verify if the JCA based SAP web service is exposed:

`http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DEBMAS04_invoke.wsdl?wsdl`

`http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/DEBMAS06_receive.wsdl?wsdl`

`http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/BAPI_CUSTOMER_GETLIST_invoke.wsdl?wsdl`

`http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/CUSTOMER_CONTACTPS_GET_invoke.wsdl?wsdl`

`http://<SOA_HOST>:<SOA_PORT>/orainfra/wsdl/adapters/applications/HRCA_CUSTOMER_CONTACT_READ_invoke.wsdl?`

Installing Foundation Pack and Customer MDM: SAP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Customer MDM: SAP. Keep the completed worksheets of Foundation Pack and Customer MDM: SAP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter: <code>./runInstaller</code>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Customer MDM: SAP to Install

To choose Customer MDM: SAP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Customer Master Data Management Integration Base Pack** and **Oracle Customer Master Data Management Integration Option for SAP** in **Available Components** and move it to **Selected/Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify OCH Server Details

To specify OCH server details:

1. Enter the information about your OCH server instance in the **Application Details – Oracle Customer Hub Server** screen.
2. Click **Next**.

Specify SAP Application Server Details

To specify SAP Application server details:

1. Enter information about your SAP application server instance in the **SAP Application Server Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing post-installation configurations

1. After the successful installation of Customer MDM: SAP, you need to apply the patch 9260447 on \$AIAHOME.
2. Verify the installation using steps in the chapter

Read Oracle Customer Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 15: Installing the Product MDM Base Pack

This chapter provides an overview of Product MDM Base Pack screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Product MDM Base Pack

Performing Pre-Installation Configurations

Installing Foundation Pack and Product MDM Base Pack

Performing Post-Installation Configurations

AIA Installer Interview for the Product MDM Base Pack

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Product MDM Base Pack. Collect the data required for and enter the details of Product MDM Base Pack screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle PIM Server Details Screen

Use this screen to enter details related to your PIM server instance.

The screen contains the following fields:

Field	Description
PIM Hostname	This is the machine name of the Oracle Product Hub (PIM) application. For example: rws60052rem.s.us.oracle.com . To find the value, contact your administrator. PIM Hostname is _____
PIM Port	This value is the PIM application port. For example: 1617 . To find the value, contact your administrator. PIM Port is _____
PIM Username	This is the username for Oracle Product Hub. For example: mfg . To find the value, contact your administrator. PIM Username is _____
PIM Password	This is the password for Oracle Product Hub. For example: welcome . To find the value, contact your administrator. PIM Password is _____

Field	Description
Workflow Business Event System Name	This is the Workflow Business Event System Name for the Oracle Product Hub. For example: SID.US.ORACLE.COM . To find the value, contact your administrator. Workflow Business Event System Name is _____

Oracle PIM Database Details Screen

Use this screen to enter details related to your PIM database instance.

The screen contains the following fields:

Field	Description
PIM Database Host	This value is typically the machine name. For example: rws60052rems.us.oracle.com . To find the value, contact your database administrator. PIM Database Host is _____
PIM Database Port	This is the Database port for Oracle Product Hub (PIM). For example: 8096 . To find the value, contact your database administrator. PIM Database Port is _____
PIM Database Username	This is the database username for Oracle Product Hub (PIM). For example: apps . To find the value, contact your database administrator. PIM Database Username is _____
PIM Database Password	This is the password for Oracle Product Hub (PIM). To find the value, contact your database administrator. PIM Database Password is _____
PIM Database System ID (SID)	This is the Database SID for Oracle Product Hub. For example: orcl . To find the value, contact your database administrator. PIM Database SID is _____

Performing Pre-Installation Configurations

1. Find the following file, and open it for editing using a text editor:

SOA_Oracle_Home\j2ee\oc4j_soa\application-deployments\orabpel\ejb_ob_engine\orion-ejb-jar.xml

2. Find all occurrences of the **transaction-timeout** parameter and change its value to 1200.
3. Save and close the file.

Installing Foundation Pack and Product MDM Base Pack

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Product MDM Base Pack. Keep the completed worksheets of Foundation Pack and Product MDM Base Pack screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Product MDM Base Pack to Install

To choose Product MDM Base Pack to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Product Master Data Management Integration Base Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle PIM Server Details

To specify Oracle PIM Server details:

1. Enter server information about Oracle PIM in the **Oracle PIM Server Details** screen.
2. Click **Next**.

Specify Oracle PIM Database Details

To specify Oracle PIM Database details:

1. Enter information about your Oracle PIM Database in the **Oracle PIM Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configuration for the Product MDM Base Pack.

- ☐ Configure endpoint URLs for Oracle PIM web-services.

Before you perform the post-install configurations apply the following patch in the same sequence:

Product	My Oracle Support Patch Number	Description
AIA Foundation Pack	9087532	ITEMEBO - MDM FOR COMMS POST FP2.5GA ENHANCEMENT
Oracle Product MDM Base Pack	9104736	POST GA FIXES FOR AIA Product MDM Base Pack

Configuring Endpoint URLs for Oracle PIM Web Services

Configure PIM web-services on a FMW application server. The details of this configuration are available in the note 888696.1 on My Oracle Support.

If you have installed the PIM web-services on the FMW where the Product MDM Base Pack is installed, you do not require any configuration changes.

If you have installed the PIM web-services on a different application server, follow the below steps to update endpoint URLs in the AIA layer after the installation of the PIP.

1. Edit the `AIAConfigurationProperties.xml` file located in `AIA_HOME/config`.
2. Locate the **ServiceConfiguration** section for the service **SyncSpecificationValueSetListPIMReqABCSImpl**. In that section, locate the property **Routing.ValueSetService.PIM_01.EndpointURI**.

3. The **hostname:port** points to the AIA FMW server. Update this to point to the server on which PIM web services have been deployed.
4. Repeat steps 2 and 3 for the following service/property-names.
 - a. Service: SyncItemCatalogCategoryPIMReqABCImpl
Property: Routing.ItemCatalogCategoryService.PIM_01.EndpointURI
 - b. Service: QueryItemListPIMAdapter
Property: Routing.ItemService.PIM_01.EndpointURI
 - c. Service: QueryBillOffMaterialsListPIMAdapter
Property: Routing.ItemService.PIM_01.EndpointURI
5. Verify the installation using steps in the chapter.

Read Oracle Product Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 16: Installing Product MDM: Siebel CRM

This chapter provides an overview of Product MDM: Siebel CRM screens in AIA Installer includes the following sections:

AIA Installer Interview for Product MDM: Siebel CRM

Installing Foundation Pack and Product MDM: Siebel CRM

Performing Post-Installation Configurations

AIA Installer Interview for Product MDM: Siebel CRM

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Product MDM: Siebel CRM. Collect the data required for and enter the details of Product MDM: Siebel CRM screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel HTTP Hostname	This is a machine name of the Siebel host. For example: sdcp1953i054.corp.siebel.com . To find the value, contact your administrator. Siebel HTTP Hostname is _____
Siebel HTTP Port	This value is the Siebel application port. For example: 80 . To find the value, contact your administrator. Siebel HTTP Port is _____
Siebel EAI Application User	The Siebel application user is used for making EAI web service calls. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application User is _____
Siebel EAI Application Password	This is the password for the EAI user. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server	This is the Siebel server name. For example: siebel . To find the

Field	Description
Name	value, contact your administrator. Siebel Enterprise Server Name is _____
Siebel Version	This is the version of the Siebel CRM application. Valid value for Order to Cash PIP is 8.1.1.1. Other versions are not supported for the 2.5 release.

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. For example: server1.oracle.com . To find the value, contact your database administrator. Siebel Database Host is _____
Siebel Database Port	This is the Siebel database port. For example: 1521 . To find the value, contact your database administrator. Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____
Siebel Database Password	This is the Siebel Database Password. For example: ora07103 . To find the value, contact your database administrator. Siebel Database Password is _____
Siebel Database SID	This is the Siebel database system ID. For example: qa7a . To find the value, contact your database administrator. Siebel Database SID is _____

Installing Foundation Pack and Product MDM: Siebel CRM

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Product MDM: Siebel CRM. Keep the completed worksheets of Foundation Pack and Product MDM: Siebel CRM screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Product MDM: Siebel CRM to Install

To choose Product MDM: Siebel CRM to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Product Master Data Management Integration Option for Siebel CRM** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM Server details:

1. Enter information about your Siebel CRM application in the **Application Details – Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM Database details:

1. Enter information about your Siebel CRM database in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.

5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

1. Apply the MDM Product Siebel Option patch (MDM Siebel) 9104754.
2. Verify the installation using steps in the chapter.

Read Oracle Product Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation

Chapter 17: Installing Product MDM: EBS

This chapter provides an overview of Product MDM: EBS screens in AIA Installer and includes the following sections:

AIA Installer Interview for Product MDM: EBS

Installing Foundation Pack and MDM: EBS

Performing Post-Installation Configurations

AIA Installer Interview for Product MDM: EBS

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Product MDM: EBS. Collect the data required for and enter the details of Product MDM: EBS screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____

<i>E-Business Suite Version</i>	This is the version of the E-Business Suite Application. Valid value for the Oracle Product Hub PIP is 11.5.10.2 . Other versions are not supported in the 2.5 release.
--	--

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
<i>E-Business Suite Database Host</i>	This value is typically the machine name. To find this value, contact the database administrator. Example: <i>server1.oracle.com</i> . E-Business Suite Database Host is _____
<i>E-Business Suite Database Port</i>	To find this value, contact the database administrator. Example: <i>1521</i> . E-Business Suite Database Port is _____
<i>E-Business Suite Database Username</i>	To find this value, contact the database administrator. Example: <i>apps</i> . E-Business Suite Database Username is _____
<i>E-Business Suite Database Password</i>	To find this value, contact the database administrator. E-Business Suite Database Password is _____
<i>E-Business Suite Database SID (System ID)</i>	To find this value, contact the database administrator. Example: <i>orcl</i> . E-Business Suite Database SID is _____
<i>Database Schema</i>	To find this value, contact the database administrator. Example: <i>server1</i> . Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Installing Foundation Pack and Product MDM: EBS

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Product MDM: EBS. Keep the completed worksheets of Foundation Pack and Product MDM: EBS screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Product MDM: EBS to Install

To choose Product MDM: EBS to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Product Master Data Management Integration Option for Oracle E-Business Suite** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your Oracle E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

1. Apply the MDM Product EBS Option patch (MDM EBS) 9104744.
2. Verify the installation using steps in the chapter.

Read Oracle Product Master Data Management Integration 2.5 - Implementation Guide to complete PIP implementation

Chapter 18: Installing the Lead to Order: CRM OD - JDE E1 PIP

This chapter provides an overview of Lead to Order: CRM OD - JDE E1 PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Lead to Order: CRM OD – JDE E1 PIP

Installing Foundation Pack and Lead to Order: CRM OD – JDE E1 PIP

Performing Post-Installation Configurations

AIA Installer Interview for the Lead to Order: CRM OD - JDE E1 PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Lead to Order: CRM OD - JDE E1 PIP. Collect the data required for and enter the details of Lead to Order: CRM OD - JDE E1 PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

CRM on Demand Web Services Details Screen

Use this screen to enter details related to your CRM on Demand Web Services instance.

The screen contains the following fields:

Field	Description
Web Service URL	This value is the location of the CRM On Demand web services. Example: http://sdcd1360i036.siebel.com/Services/Integration/ Web service URL location is _____
Company	This is the company name associated with the CRM On Demand instance. Example: COMPANYNAME . Company is _____
User ID	This value is the user identification code that is used by CRM On Demand for the Lead to Order integration. Example: USERID . User ID is _____
Password	This is the password that is associated with the CRM On Demand user ID. Example: PASSWORD . Password is _____
Proxy Host	Specify the proxy host location. This field is optional. Example:

Field	Description
	<i>www-proxy.your.company.com</i> Proxy Host is _____
<i>Proxy Port</i>	Specify the proxy port. This field is optional. Example: <i>80</i> Proxy Port is _____
<i>Orapel User ID</i>	This value is the user identification code that is used for the orapel database schema in SOA. Example: <i>ORAPEL</i> . User ID is _____
<i>Orapel Password</i>	This is the password that is associated with the Orapel user ID. Example: <i>PASSWORD</i> . Password is _____

JD Edwards EnterpriseOne Business Services Screen

Use this screen to enter details related to your JD Edwards EnterpriseOne business services.

The screen contains the following fields:

Field	Description
<i>Web Services Platform</i>	This value is the web services platform that is used by EnterpriseOne. Valid platforms include Oracle Application Server (OAS) and WebSphere Application Server (WAS). This value can be OAS or WAS. Example: <i>OAS</i> Web Services Platform is _____
<i>Web Services Server URL</i>	This value is the location of the EnterpriseOne business services server. This path should include the trailing forward slash at the end of the path, but should not include the web service name. Example: <i>http://dnvmsvr20.mlab.jdedwards.com:9988/DV812/</i> Web services server URL is _____
<i>Environment</i>	This is the environment that the integration proxy user accesses during sign on. To find this value, contact your administrator. Example: <i>DV812CLM</i> . Environment is _____

Installing Foundation Pack and Lead to Order: CRM OD - JDE E1 PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and the Lead to Order: CRM OD - JDE E1 PIP. Keep the completed worksheets of Foundation Pack and Lead to Order: CRM OD - JDE E1 PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Lead to Order: CRM OD - JDE E1 PIP to Install

To select Lead to Order: CRM OD - JDE E1 PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle CRM On Demand Integration Pack for JD Edwards EnterpriseOne: Lead to Order** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify CRM On Demand Web Services Details

To specify CRM On Demand Web Services details:

1. Enter information about your CRM On Demand Web Services installation in the **CRM On Demand Web Services Information** screen.
2. Click **Next**.

Specify JD Edwards EnterpriseOne Business Services Details

To specify JD Edwards EnterpriseOne Business Services details:

1. Enter information about your EnterpriseOne Business Services details in the **EnterpriseOne Business Services Information** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configuration.

Performing Post-Installation Configurations

This section discusses the post-installation configuration for the Lead to Order: CRM OD - JDE E1 PIP and discusses how to update SOA server properties.

Updating SOA Server Properties

To update SOA Server properties for the Lead to Order: CRM OD - JDE E1 PIP:

1. Login to Application Server Control page from the Oracle Enterprise Manager.
2. Click **oc4j_soa** link in the **Members** section on the **Cluster Topology** page.
3. Click **Administration** tab.
4. Navigate to **Administration Tasks, Properties** and click the **Go To Task** button in the **Server Properties** row.
5. Click **Add Another Row** button in the **Options** section on the **Server Properties** page.

A blank row is created at the bottom of the Options section.

6. Enter this value and click **Apply**.

`-DHTTPClient.disableKeepAlives=true`

You will receive a confirmation message that the changes have been applied to the selected oc4j instance.

7. Restart the oc4j instance from the **Cluster Topology** page.
8. Verify the installation using steps in the chapter.

Read Oracle CRM On Demand Integration Pack for JD Edwards EnterpriseOne: Lead to Order 2.5 - Implementation Guide to complete PIP implementation

Chapter 19: Installing the Lead to Order: CRM OD - EBS PIP

This chapter provides an overview of Lead to Order: CRM OD - EBS PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Lead to Order: CRM OD – EBS PIP

Performing Pre-Installation Configurations

Installing Foundation Pack and Lead to Order: CRM OD – EBS PIP

Performing Post-Installation Configurations

AIA Installer Interview for the Lead to Order: CRM OD - EBS PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and the Lead to Order: CRM OD - EBS PIP. Collect the data required for and enter the details of Lead to Order: CRM OD - EBS PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application server. Example: servername.your.company.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	The user ID value for the designated Oracle E-Business Suite integration user responsible for integration transactions within the Oracle E-Business Suite. E-Business Suite User Name is _____
E-Business Suite	The password that is associated with the Oracle E-Business Suite

Field	Description
Password	integration user ID E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: SID.your.company.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	This is the version of the E-Business Suite application. Valid value for the Lead to Order: CRM OD - EBS PIP are 11.5.10.2 or 12.1.1 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.your.company.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID	To find this value, contact the database administrator. Example: ebiz . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: apps . Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL (universal resource locator) and data source URLs.

CRM On Demand Web Services Details Screen

Use this screen to enter details related to your CRM On Demand Web services instance.

The screen contains the following fields:

Field	Description
Web Service URL	This value is the location of the CRM On Demand web services. Example: <i>http://secure- ausomxdsa.crmondemand.com/Services/Integration.</i> Web service URL location is _____
Company	This is the company name associated with the CRM On Demand instance. Example: <i>COMPANYNAME.</i> Company is _____
User ID	The user ID value for the designated CRM On Demand integration user responsible for integration transactions within CRM On Demand. Example: <i>USERID.</i> User ID is _____
Password	The password that is associated with the CRM On Demand integration user. Example: <i>PASSWORD.</i> Password is _____
Orabpel User ID	The user ID for the orabpel database schema in SOADB. Example: <i>ORABPEL.</i> User ID is _____
Orabpel Password	This is the password that is associated with the Orabpel user ID. Example: <i>PASSWORD.</i> Password is _____

CRM On Demand Web Services Proxy Information Screen

Use this screen to enter proxy host details related to your CRM On Demand installation.

The screen contains the following fields:

Field	Description
Proxy Host	Specify the proxy host location. This field is optional. Example: <i>www-proxy.your.company.com</i> Proxy Host is _____
Proxy Port	Specify the proxy port. This field is optional. Example: <i>80</i> Proxy Port is _____
Proxy User	Specify the proxy user name. This field is optional. Example: <i>testusr.</i> Proxy User is _____

Field	Description
Proxy Password	The password that is associated with the proxy user. Example: PASSWORD . Password is _____

Performing Pre-Installation Configurations

This section discusses the following pre-installation configurations:

Amending the DT_OC4J_HOST Parameter Value

To amend the DT_OC4J_HOST parameter value:

1. Log in to the SOA database using the **OraESB** user ID.
2. Query the **ESB_PARAMETER** table.
3. Locate the **PARAM_NAME**, **DT_OC4J_HOST**.
4. Verify that the **PARAM_VALUE** specified for **DT_OC4J_HOST** is a fully qualified domain name, for example, **abctest.oracle.com**; change the **PARAM_VALUE** to a fully qualified domain name if necessary.

Modifying Transaction Properties

To modify transaction values:

1. Open the following file using a text editor:
SOA_Oracle_Home\j2ee\oc4j_soa\config\transaction-manager.xml
2. Find the **transaction-timeout** parameter and change its value to **7200**.
3. Change the **commit-coordinator retry-count** parameter to **0**.
4. Save and close the file.
5. Open the following file using a text editor:
SOA_Oracle_Home\j2ee\oc4j_soa\application-deployments\orabpel\ejb_ob_engine\orion-ejb-jar.xml
6. Find all occurrences of the **transaction-timeout** parameter and change its value to **3600**.
7. Save and close the file.
8. Change the **SyncMaxWaitTime** parameter as follows:

- a. Log in to the **BPEL Console**.
 - b. Click the **Configuration** tab.
 - c. Change the value of **syncMaxWaitTime** to **240**.
 - d. Click **Apply**.
9. Open the following file using a text editor.
- `<oracle_home>/integration/esb/config/esb_config.ini`
10. Change the value of the **xa_timeout** parameter to **900**.

Installing Foundation Pack and Lead to Order: CRM OD - EBS PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and the Lead to Order: CRM OD - EBS PIP. Keep the completed worksheets of Foundation Pack and Lead to Order: CRM OD - EBS PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Lead to Order: CRM OD - EBS PIP to Install

To select Lead to Order: CRM OD - EBS PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Lead to Order Integration Pack for Oracle CRM On Demand and Oracle E-Business Suite** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your Oracle E-Business Suite Server installation in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database installation in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify CRM On Demand Web Services Details

To specify CRM On Demand Web Services details:

1. Enter information about your CRM On Demand Web Services installation in the **CRM On Demand Web Services Information** screen.
2. Click **Next**.

Specify CRM On Demand Web Services Proxy Details

To specify CRM On Demand Web Services proxy details:

1. Enter proxy host information related to your CRM On Demand installation in the **CRM On Demand Web Services Proxy Information** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

7. Perform Post-Installation Configuration.

Performing Post-Installation Configurations

Perform the following post-installation configurations:

Update the ESB configuration file.

Update the ESB fault policy file.

Populate the inventory_location_id cross-reference table.

Define the application context for E-Business Suite service calls

Update the Oracle E-Business Suite database.

Update AIA configuration properties.

Update SOA server properties.

Apply CRM OD – EBS Roll Up patch.

Updating the ESB Configuration File

To update the ESB configuration file:

1. Navigate to the *<soa_home>/integration/esb/config* directory.

2. Open the *esb_config.ini* file using a text editor.

3. Add the following property to **Enable Resequencer**:

EnableResequencer = true

4. Change the following properties in the **Retry** section:

InboundRetryCount = 0

InboundRetryInterval = 5

InboundRetryEnabled = false

OutboundRetryCount = 0

OutboundRetryInterval = 5

OutboundRetryEnabled = false

5. Restart the SOA server.

Updating the ESB Fault Policy File

To update the ESB Fault Policy file:

1. Navigate to the *[AIA_HOME]/config directory*.
2. Copy the **esb-fault-policy.xml** file to the **esb-fault-policy.xml.org** file.
3. Open the **esb-fault-policy.xml** file for editing.
4. Locate the **</DefaultAction>** section in the file.
5. Add the contents of the **esb-fault-policy.xml** file listed in *Oracle Lead to Order Integration Pack for Oracle CRM On Demand and Oracle E-Business Suite 2.5 Implementation Guide*, Appendix B to the file after the **</DefaultAction>** section.
6. Save the file.

Populating the inventory_location_id cross-reference Table

You must create a cross-reference in the **inventory_location_id** cross-reference (XREF) table for each operating unit in Oracle E-Business Suite for which data is to be synchronized to CRM On Demand. To create a cross-reference in the **inventory_location_id** XREF table you must perform the following tasks:

- ☐ Identify inventory location details for each operating unit.
- ☐ Create a cross-reference for the inventory location ID of the operating unit.
- ☐ Validate the cross-reference.

To identify inventory location details in Oracle EBS:

1. Log in to Oracle E-Business Suite.
2. Select the **Order Management** responsibilities for the relevant operating unit.
3. Perform the following steps for each of the relevant Order Management responsibilities:
 - a. Select the **System Parameters, Values** from menu option.
 - b. Note the name of the organization associated with the **Item Validation Organization** parameter, for example, DivisionA Operations.
4. To obtain the full name of the operating unit:
 - a. Log in to the Oracle E-Business Suite database (Apps/Apps).
 - b. Identify the operating unit for which data is to be synchronized to CRM On Demand.
 - c. Log in to Oracle Applications and identify the full name of the operating unit, for example, DivisionA Operations (204).
5. Obtain the **organization_id** of the operating unit by issuing the following query:

```
select organization_id from hr_operating_units where name =
'DivisionA Operations'
```

Where *DivisionA Operations* is the name of the organization associated with the Item Validation Organization parameter that you identified in step 3.

To create cross-references in the inventory_location_id XREF Table:

1. Log in to the **BPEL Console**.
2. Click **UtilityXREF**.
3. Enter the following values:

```
<XREFTableName>INVENTORY_LOCATION_ID</XREFTableName>
<ReferenceColName>EBIZ_01</ReferenceColName>
<ReferenceVal>organization_ID</ReferenceVal>
<ColumnName>COMMON</ColumnName>
<ColumnValue>12345</ColumnValue>
```

where:

organization_id in the <ReferenceVal> record is the organization ID of the operating unit which you identified in the previous procedure.

12345 in the <ColumnValue> record is a numeric string with a maximum length of 32 characters.

The <ColumnValue> you specify must be unique in the inventory_location_id XREF table. If you need to create inventory_location_id records for more than one operating unit, increment the value you specify for the <ColumnValue> record for each subsequent record.

4. Click **Submit**.
5. Restart the SOA server.

To validate the cross-references you created:

1. Log in to the **AIA XREF** database.
2. Using the following query, search the **XREF_DATA** table to confirm that every organization and every inventory location used in the XML files has three records, <ReferenceVal>, <ColumnName>, and ColumnValue>.

```
select value||':'||Xref_column_name from xref_Data where
row_number in (select row_number from xref_data where
xref_table_name = 'INVENTORY_LOCATION_ID'
and value in (' organization_id '))
```

where *organization_id* is the organization ID of the operating unit for which you created the cross-reference.

Defining the Application Context for E-Business Suite Service Calls

The application context for E-Business Suite service or API calls comprises the following components:

Operating unit

User name

Responsibility

You must define the application context in process flows where E-Business Suite API or service calls are made. This involves the following steps:

1. Map operating units to the corresponding entities in other applications.

If the source application's organization context is available in a flow and if it is mapped in the ORGANIZATION_ID cross-reference table, the operating unit is obtained by looking up the ORGANIZATION_ID cross-reference table.

If the organization context is not mapped or cannot be looked up, the default operating unit is used as the organization context value. In this integration, only the default operating unit is supported.

The default operating unit is set in the TransformAppContextEbizService.DefaultOperatingUnit property; the service name is TransformAppcontextEbizService.

2. If required, you can define cross-reference mappings for users between applications in the USER_NAME cross-reference table.

If the source application's user context is available in a flow and is mapped in the USER_NAME cross-reference table, the user name for E-Business Suite can be derived from the USER_NAME cross-reference table.

If the user context is not mapped or cannot be looked up, then a default user name is used. In this integration, only the default user is supported. The default user is defined in the TransformAppContextEbizService.DefaultUser property; the service name is TransformAppcontextEbizService.

3. Responsibilities must be mapped to the E-Business Suite User+Operating Unit combined field.

You must specify a valid responsibility that is assigned privileges to operate in the operating unit, and the responsibility must be assigned to the specified user.

Map responsibilities in the ORACLE_RESPONSIBILITY domain value map.

In the EBIZ_USER_OU column, enter the user name and organization ID in a format like USER_NAME:ORGANIZATION_ID. The following is an example entry:

EBIZ_USER_OU - OPERATIONS:204

In the EBIZ_RESP column, enter the Responsibility to be used for the user and organization specified. The following is an example entry:

EBIZ_RESP - Order Management Super User, Vision Operations (USA)

Only one default responsibility is supported in the Lead to Order: CRM OD – EBS PIP. The default responsibility is set in the TransformAppContextEbizService.DefaultResponsibility property; the service name is TransformAppcontextEbizService.

Updating the Oracle E-Business Suite Database

In the Oracle E-Business Suite database, run the following command:

```

/
begin
DBMS_AQADM.ALTER_QUEUE(
    queue_name => 'WF_BPEL_Q',
    max_retries => 0,
    retention_time => 0);
end;
/
BEGIN
sys.dbms_aqadm.start_queue(
queue_name => 'AQ$_WF_BPEL_QTAB_E'
, enqueue => FALSE
, dequeue => TRUE);
END;
/
CREATE OR REPLACE PROCEDURE MSG_RESUBMIT (
    MSG_ID RAW,
    CONSUMER_NAME VARCHAR,
    DEQUEUE_NAME VARCHAR,
    RESUBMIT_QUEUE_NAME VARCHAR
) AS
    R_DEQUEUE_OPTIONS DBMS_AQ.DEQUEUE_OPTIONS_T;
    R_ENQUEUE_OPTIONS DBMS_AQ.ENQUEUE_OPTIONS_T;
    R_MESSAGE_PROPERTIES DBMS_AQ.MESSAGE_PROPERTIES_T;
    R_ENQUEUE_MESSAGE_PROPERTIES DBMS_AQ.MESSAGE_PROPERTIES_T;
    L_MESSAGE_HANDLE RAW(16);
    RESUBMIT_MESSAGE_ID RAW(2000);
    MSG WF_EVENT_T;
    ANYEXCEPTION EXCEPTION;
    V_MESSAGE_HANDLE RAW(16);
BEGIN
    R_DEQUEUE_OPTIONS.CONSUMER_NAME := NULL;
    R_DEQUEUE_OPTIONS.DEQUEUE_MODE := DBMS_AQ.REMOVE;
    R_DEQUEUE_OPTIONS.WAIT := DBMS_AQ.NO_WAIT;
    R_DEQUEUE_OPTIONS.VISIBILITY := DBMS_AQ.ON_COMMIT;
    R_DEQUEUE_OPTIONS.NAVIGATION := DBMS_AQ.FIRST_MESSAGE;
    R_DEQUEUE_OPTIONS.MSGID := MSG_ID;
    DBMS_AQ.DEQUEUE(
        QUEUE_NAME => DEQUEUE_NAME,
        DEQUEUE_OPTIONS => R_DEQUEUE_OPTIONS,
        MESSAGE_PROPERTIES => R_MESSAGE_PROPERTIES,
        PAYLOAD => MSG,
        MSGID => V_MESSAGE_HANDLE
    );
    R_ENQUEUE_OPTIONS.VISIBILITY:=DBMS_AQ.IMMEDIATE;

```

```

DBMS_AQ. ENQUEUE (
  QUEUE_NAME => RESUBMIT_QUEUE_NAME,
  ENQUEUE_OPTIONS => R_ENQUEUE_OPTIONS,
  MESSAGE_PROPERTIES => R_ENQUEUE_MESSAGE_PROPERTIES,
  PAYLOAD => MSG,
  MSGID => RESUBMIT_MESSAGE_ID
);

COMMIT;
EXCEPTION
WHEN ANYEXCEPTION THEN
  ROLLBACK;
END;
• /

```

Updating the AIA Configuration Properties

To update the AIAConfigurationProperties:

1. Open the following file in a text editor:
AIA_HOME/config/AIAConfigurationProperties.xml
2. Locate the service configuration section for the **CreateSalesQuoteEbizProvABCImpl** service.
3. Ensure the value of **Routing.CreateSalesQuoteEbizAdapter.EBIZ_01.ServiceName** is set as follows:
ESB_CreateSalesQuoteEbizAdapter_Service if you are using Oracle E-Business Suite 11i
ESB_CreateSalesQuoteEbizR12VersionAdapter_Service if you are using Oracle E-Business Suite R12.1.1

Updating SOA Server Properties

To update SOA Server properties:

1. Login to Application Server Control page from the Oracle Enterprise Manager.
2. Click **oc4j_soa** link in the **Members** section on the **Cluster Topology** page.
3. Click **Administration** tab.
4. Navigate to **Administration Tasks, Properties** and click the **Go To Task** button in the **Server Properties** row.
5. Click the **Add Another Row** button in the **Options** section on the **Server Properties** page.
A blank row is created at the bottom of the Options section.
6. Enter this value and click **Apply**.

-DHTTPClient.disableKeepAlives=true

You will receive a confirmation message that the changes have been applied to the selected oc4j instance.

7. Restart the oc4j instance from the **Cluster Topology** page.

Applying Roll Up Patch

1. Apply the following patch:

My Oracle Support Patch Number	Description
9852641	CRM OD - EBS PIP 2.5 POST GA ROLLUP PATCH

2. Verify the installation using steps in the chapter.

Read Oracle Lead to Order Integration Pack for Oracle CRM On Demand and Oracle E-Business Suite 2.5 Implementation Guide to complete PIP implementation.

Chapter 20: Installing the Lead to Order: CRM OD - JDE World PIP

This chapter provides an overview of Lead to Order: CRM OD - JDE World PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Lead to Order: CRM OD – JDE World PIP

Installing Foundation Pack and Lead to Order: CRM OD – JDE World PIP

Performing Post-Installation Configurations

AIA Installer Interview for the Lead to Order: CRM OD - JDE World PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Lead to Order: CRM OD - JDE World PIP. Collect the data required for and enter the details of Lead to Order: CRM OD - JDE World PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

JD Edwards World Business Services Details Screen

Use this screen to enter details related to your JD Edwards World Business Services instance.

The screen contains the following fields:

Field	Description
Web Services Platform	This value is the web services platform used by JD Edwards World Oracle Application Server. To find this value contact your administrator. Web Services Platform is _____
Web Service Server URL	This value is the URL of web service server of JD Edwards World Oracle Application Server. To find this value, contact your administrator. Example: http://sdcd1360i036.siebel.com/Services/Integration . Web Service Server URL is _____
Environment	To find this value, contact your administrator. Environment is _____

CRM on Demand Web Services Details Screen

Use this screen to enter details related to your CRM on Demand Web Services instance.

The screen contains the following fields:

Field	Description
Web Service URL	This value is the location of the CRM On Demand web services. Example: http://sdcd1360i036.siebel.com/Services/Integration . Web service URL location is _____
Company	This is the company name associated with the CRM On Demand instance. Example: COMPANYNAME . Company is _____
User ID	This value is the user identification code that is used by CRM On Demand for the Lead to Order integration. Example: USERID . User ID is _____
Password	This is the password that is associated with the CRM On Demand user ID. Example: PASSWORD . Password is _____
Orabpel User ID	This value is the user identification code that is used for the orabpel database schema in SOA. Example: USERID . User ID is _____
Orabpel Password	This is the password that is associated with the Orabpel user ID. Example: PASSWORD . Password is _____

CRM on Demand Web Services Proxy Information Details Screen

Use this screen to enter details related to your CRM on Demand Web Services Proxy Information.

The screen contains the following fields:

Field	Description
Proxy Host	Specify the proxy host location. This field is optional. Example: www-proxy.us.oracle.com . Proxy Host is _____
Proxy Port	Specify the proxy port. This field is optional. Example: 80 . Proxy Port is _____
Proxy User	This value is the user identification code that is used for the proxy user. Example: USERID . Proxy User is _____
Proxy Password	This is the password that is associated with the proxy user.

Field	Description
	Example: PASSWORD. Proxy Password is _____

Installing Foundation Pack and Lead to Order: CRM OD - JDE World PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and the Lead to Order: CRM OD - JDE World PIP. Keep the completed worksheets of Foundation Pack and Lead to Order: CRM OD - JDE World PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Lead to Order: CRM OD - JDE World PIP to Install

To select Lead to Order: CRM OD - JDE World PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Lead to Order Integration Pack for Oracle CRM On Demand and JD Edwards World** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify JD Edwards World Business Services Details

To specify JD Edwards World Business Services details:

1. Enter information about your JD Edwards World Business Services installation in the **JD Edwards World Business Services Details** screen.
2. Click **Next**.

Specify CRM On Demand Web Services Details

To specify CRM On Demand Web Services details:

1. Enter information about your CRM On Demand Web Services installation in the **CRM On Demand Web Services Information** screen.
2. Click **Next**.

Specify CRM On Demand Web Services Proxy Information

To specify CRM On Demand Web Services Proxy Information details:

1. Enter information about your CRM On Demand Web Services Proxy Information on **CRM On Demand Web Services Proxy Information** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the post-installation configuration for the Lead to Order: CRM OD - JDE World PIP and discusses how to update SOA server properties.

Updating SOA Server Properties

To update SOA Server properties for the Lead to Order: CRM OD - JDE World PIP:

1. Login to Application Server Control page from the Oracle Enterprise Manager.

2. Click **oc4j_soa** link in the Members section on the **Cluster Topology** page.
3. Click **Administration** tab.
4. Navigate to **Administration Tasks, Properties** and click the **Go To Task** button in the **Server Properties** row.
5. Click **Add Another Row** button in the **Options** section on the **Server Properties** page.

A blank row is created at the bottom of the Options section.

6. Enter this value and click **Apply**.

-DHTTPClient.disableKeepAlives=true

You will receive a confirmation message that the changes have been applied to the selected oc4j instance.

7. Restart the oc4j instance from the **Cluster Topology** page.
8. Verify the installation using steps in the chapter.

Read Oracle Lead to Order Integration Pack for Oracle CRM On Demand and JD Edwards World 2.5 - Implementation Guide to complete PIP implementation.

Chapter 21: Installing the Financials Ops Control: Oracle Retail - PSFT PIP

This chapter provides an overview of Financials Ops Control: Oracle Retail - PSFT PIP screens in AIA Installer and includes the following sections:

Configuring Oracle Data Integrator

Creating Oracle Data Integrator Repositories

AIA Installer Interview for the Financials Ops Control: Oracle Retail - PSFT PIP

Installing Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP

Performing Post-Installation Configurations

Configuring Oracle Data Integrator

To run AIA Installer you must have ODI access with Supervisor privileges.

For install purposes, the ODI software must reside at the same server where Foundation Pack is installed. Once the PIP installation is complete, the ODI Software can be installed into another server (if desired) connecting to the master and work repositories provided during the PIP installation.

If you decide to have ODI software running on a different server than Foundation Pack, after installing the PIP, you should copy the `<aia_home>/config/AIAConfigurationProperties.xml` file into that server, then modify the JDBC URL information for the AIA Configuration Properties DS Data Server in ODI to point to the new location of the `AIAConfigurationProperties.xml`

AIA Configuration Properties DS is located in the **Physical Architecture** tab in ODI topology. The JDBC URL is located under the JDBC tab.

For example, after installing you copied the file into `Z:/Oracle/PIP/`. Consider the following JDBC URL:

```
jdbc:snps:xml?f=D:/Oracle/FPAIAHOME/config/AIAConfigurationProperties.xml&s=AIACONFIGSCHEMA
```

Then update the path to the location of the file in the server where ODI software will be running:

```
jdbc:snps:xml?f=Z:/Oracle/PIP/AIAConfigurationProperties.xml&s=AIACONFIGSCHEMA
```

For more information, see Notes on the Recommended Topology section for additional configurations for running ODI in a different server.

The ODI batch pieces of the Retail to PSFT PIP are designed to process extremely large transaction volumes. You need to adjust and tune all databases accordingly particularly the rollback capability of the Retail (source) database. For this you need to size the UNDO tablespace. For information on how to size the UNDO tablespace, refer to the OTN article at:

Creating Oracle Data Integrator Repositories

You can use an existing master repository as long as it exists on an Oracle database. You need not create a new master repository.

You can use an existing work repository as long as it exists on an Oracle database and its ID is not 900. If its ID is 900, AIA advises you to create a new repository and do not use 900 as Work Repository ID

When you run AIA Installer, it inserts/updates the PIP artifacts into these repositories.

AIA recommends that you take a backup of master and work repositories before you start the install process.

For information about creating Oracle Data Integrator Master and Work repositories, see the Oracle Data Integrator Installation Guide, “Creating Repositories”.

AIA Installer Interview for the Financials Ops Control: Oracle Retail - PSFT PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP. Collect the data required for and enter the details of Financials Ops Control: Oracle Retail - PSFT PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

PeopleSoft FSCM Web Services Details Screen

Use this screen to enter details related to your PeopleSoft FSCM Web Services instance. These details are also used by the DrillBackForward service to:

- ☐ Construct the URL for PSFT
- ☐ Communicate with PSFT web service deployed at this location

The screen contains the following fields:

Field	Description
Host Name	<p>This value is the host name for the web service provided by PeopleSoft. To find this value, contact PeopleSoft system administrator. Example: rtas245.peoplesoft.com</p> <p>PeopleSoft FSCM Web Services Host Name is _____</p>

Field	Description
Port Number	This value is the port for the web service provided by PeopleSoft. To find this value, contact the PeopleSoft system administrator. Example: 7501 PeopleSoft FSCM Web Services Port Number is _____
Default Local Node	This value is the default local node for the specific instance of PeopleSoft. This value is unique to the instance of PeopleSoft and enables the PeopleSoft Gateway to identify the application server to which it should route the web service request. Example: E900B20 PeopleSoft FSCM Web Services Default Local Node is _____

PeopleSoft FSCM Application URL Details Screen

Use this screen to enter details related to PeopleSoft FSCM Application URL. These details are used by the DrillBackForward service to construct PSFT application URL.

The screen contains the following fields:

Field	Description
Servlet	This value is the name of the PeopleSoft FSCM Application Servlet. To find this value, contact the PeopleSoft system administrator. Example: psp PeopleSoft FSCM Application Servlet name is _____
Site	This value is the Site name of the PeopleSoft FSCM application. To find this value, contact the PeopleSoft system administrator. Example: e900b20nt PeopleSoft FSCM Application Site name is _____
Portal,Node,Content	This value is the Portal, Node, Content for the PeopleSoft FSCM Application. To find this value, contact the PeopleSoft system administrator. Please enter this information in this format: <portal>/<node>/<content>Example: EMPLOYEE/ERP/c The Portal, Node, Content for the PeopleSoft FSCM Application is _____

PeopleSoft FSCM Database Connection Details Screen

Use this screen to enter details related to your PeopleSoft FSCM database connection instance.

The screen contains the following fields:

Field	Description
Database Type	This value is the database type being used by the PeopleSoft Financials system. To find this value, contact the database

Field	Description
	administrator. Example: Oracle PeopleSoft Financials system Database Type is _____.
Database Host Name	This value is the PeopleSoft database host name. To find this value, contact the database administrator. Example: psftserver.mycompany.com PeopleSoft Financials system Database Host Name is _____.
Database Port Number	This value is the PeopleSoft database host name. To find this value, contact the database administrator. Example: 1588 PeopleSoft Financials system Database Port Number is _____.
SID (System ID)	To find this value, contact the database administrator. Example: psftfscm PeopleSoft Financials system SID is _____.
Database Username	To find this value, contact the database administrator. Example: psft PeopleSoft Financials system Database Username is _____.
Database Password	To find this value, contact the database administrator. Example: welcome PeopleSoft Financials system Database Password is _____.
Database Schema	This value is same as the Database user name in most cases. However, if the database user name uses synonymous schema to access the actual tables, provide the schema name that owns the tables. This value is the PeopleSoft database schema. To find this value, contact the database administrator. Example: psft PeopleSoft Financials system Database Schema is _____.

Oracle Retail Service Layer Connection Details Screen

Use this screen to enter details related to your Oracle Retail Service Layer connection database instance. These details are also used by the DrillBackForward service to communicate with Retail service.

The screen contains the following fields:

Field	Description
Host Name	This value is the host name for the web services provided by Retail. To find this value, contact the Retail system administrator.

Field	Description
	Example: mspdev68 . Host Name is _____
Port Number	This value is the port for the web services provided by Retail. To find this value, contact the Retail system administrator. Example: 7781 . Port Number is _____

Oracle Retail Integration Bus Connection Details Screen

Use this screen to enter details related to your Oracle Retail Integration Bus connection database instance.

The screen contains the following fields:

Field	Description
Database Host Name	This value is the database host name for the Retail Integration Bus (RIB) database connection. To find this value, contact the Retail database administrator. Example: mspdev73 . Oracle Retail Integration Bus Database Host Name is _____.
Database Port Number	This value is the database port number for the RIB database connection. To find this value, contact the Retail database administrator. Example: 1521 Oracle Retail Integration Bus Database Port Number is _____.
Database SID	This value is the database system ID for the RIB database connection. To find this value, contact the Retail database administrator. Example: dvolr022 Oracle Retail Integration Bus Database SID is _____.
Database Username	This value is the database username for the RIB database connection. To find this value, contact the Retail database administrator. Example: ribaq Oracle Retail Integration Bus Database Username is _____.
Database Password	This value is the database password for the RIB database connection. To find this value, contact the Retail database administrator. Example: rettek Oracle Retail Integration Bus Database Host Name is _____.

Oracle Retail Database Connection Details Screen

Use this screen to enter details related to your Oracle Retail database connection instance.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact the database administrator. Example retekserver.oracle.com Oracle Retail Database Host Name is _____
Database Port Number	To find this value, contact the database administrator. Example: 1521 Oracle Retail Database is Port Number _____
Database SID	To find this value, contact the database administrator. Example retek Oracle Retail Database SID is _____
Database Username	To find this value, contact the database administrator. Example: retek Oracle Retail Database Username is _____
Database Password	To find this value, contact the database administrator. Example: welcome Oracle Retail Database Password is _____
Database Schema	This value is same as the Database user name in most cases. However, if the database user name uses synonymous schema to access the actual tables, provide the schema name that owns the tables. To find this value, contact the database administrator. Example: retek Oracle Retail Database Schema is _____

Oracle Data Integrator Access Details Screen

Use this screen to enter details to access Oracle Data Integrator.

The screen contains the following fields:

Field	Description
Path to Oracle Data Integrator	Provide the path to the ODI HOME up to the <i>oracledi</i> folder (included). To find this value, contact your administrator. Example: /slot/ems2467/abc/odi/oracledi (for Linux) Oracle Data Integrator Path is _____
ODI User	To find this value, contact your administrator. Example: SUPERVISOR . Oracle Data Integrator User is _____

Field	Description
ODI Password	To find this value, contact your administrator. Example: SUNOPSIS Oracle Data Integrator Password is _____
Path for exported DVMs	Enter the path to directory to export Domain Value Mappings (DVM). Example: \$AIA_HOME/PIPS/Core/DIS/RetailToPSFTFin/DVM One of the steps for setting up the PIP is to export some DVMs to a location. The installer needs to know this location in order to configure ODI artifacts during the install. It is recommended to choose this location in the same server where ODI Software will run. Path for Exported DVM is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository prior to installing the Financials Ops Control: Oracle Retail - PSFT PIP. This master repository must be created in an Oracle database. The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: server1.oracle.com Oracle Database Integrator Master Repository Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: 1521 Oracle Database Integrator Master Repository Database Port Number is _____
Database SID	To find this value, contact your database administrator. Example: orcl Oracle Database Integrator Master Repository Database SID is _____
Database Username	To find this value, contact your database administrator. Example: snpm Oracle Database Integrator Master Repository Database Username is _____
Database Password	To find this value, contact your database administrator. Example: snpm Oracle Database Integrator Master Repository Database Password is _____

Oracle Data Integrator Work Repository for Retail to PeopleSoft Financials PIP Details Screen

The install process imports the Retail to PeopleSoft Financials ODI artifacts into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended to use an empty repository.

Use this screen to enter details related to the ODI Work Repository.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: RETAILPSFT ODI Work Repository Name is: _____
ODI Work Repository ID	Enter the ID number that you used for the ODI Work Repository. It should be between 1 and 899. Example: 42 Do not use 900. Also do not use the ID already used for other work repositories. ODI Work Repository ID is: _____

Installing Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP. Keep the completed worksheets of Foundation Pack and Financials Ops Control: Oracle Retail - PSFT PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <code>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</code>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Financials Ops Control: Oracle Retail - PSFT PIP to Install

To choose Financials Ops Control: Oracle Retail - PSFT PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials: Financial Operations Control** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify PeopleSoft FSCM Web Services Details

To specify PeopleSoft FSCM Web Services details:

1. Enter information about your PeopleSoft FSCM Web Services installation in the **PeopleSoft FSCM Web Services Information** screen.
2. Click **Next**.

Specify PeopleSoft FSCM Application URL Details

To specify PeopleSoft FSCM Application URL details:

1. Enter information about your PeopleSoft FSCM Web Application URL in the **PeopleSoft FSCM Application URL** screen.
2. Click **Next**.

Specify PeopleSoft FSCM Database Connection Details

To specify PeopleSoft FSCM Database Connection details:

1. Enter information about your PeopleSoft FSCM Database Connection installation in the **PeopleSoft FSCM Database Connection Information** screen.
2. Click **Next**.

Specify Oracle Retail Service Layer Connection Details

To specify Oracle Retail Service Layer Connection details:

1. Enter information about your Oracle Retail Service Layer Connection installation in the **Oracle Retail Service Layer Connection Information** screen.
2. Click **Next**.

Specify Oracle Retail Integration Bus Connection Details

To specify Oracle Retail Integration Bus Connection details:

1. Enter information about your Oracle Retail Integration Bus Connection installation in the **Oracle Retail Integration Bus Connection Information** screen.
2. Click **Next**.

Specify Oracle Retail Database Connection Details

To specify Oracle Retail Database Connection details:

1. Enter information about your Oracle Retail Database Connection installation in the **Oracle Retail Database Connection Information** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.
6. Specify the **Path for exported DVMs**.
7. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **Oracle Data Integrator Work Repository for Retails to PeopleSoft Financials** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Financials Ops Control: Oracle Retail - PSFT PIP:

- Configure Retail to PeopleSoft Accounting Entries integration (Required)
- Configure Retail to PeopleSoft Invoice/Voucher integration (Required)
- Configure Web Services for Financials Ops Control: Oracle Retail - PSFT PIP (Optional)
- Create sequence rights to PeopleSoft database users (Required)
- Verify the database connection (Optional)
- Set up and export Domain Value Mappings (Required)
- Set Up ORGANIZATION_ID XREF (Required)
- Configure WSDL URL for the BPEL Process AIAAsyncErrorHandlerBPELProcess (for Microsoft Windows (32-bit) platform only)

Configuring Retail to PeopleSoft Accounting Entries Integration

The Retail to PeopleSoft_AccountingEntry ODI Integration can be configured to send emails to an individual when a successful transaction occurs.

To send emails to individuals on successful transaction:

1. Edit the **AIAConfigurationProperties.xml** file located in **AIA_HOME/config**.
2. Set the polling interval.

```
<Property name="PollingInterval">300000</Property>
```

The ODI process has a polling interval, which is the period of time (in milliseconds) the process waits before polling tables for new data. This polling interval can be changed as required.

3. Modify the property name:

```
<Property name="FromMailAddress">admin@company.com</Property>
<Property name="ToMailAddress">admin@compnay.com</Property>
<Property name="MailServerName">mail.company.com</Property>
```

4. Enter the email ID of the recipient in the **ToMailAddress** section to specify the person to receive the email messages.
5. Enter the email ID of the sender in the **FromMailAddress** section.

This value is required by the email process to send the email. Oracle AIA recommends that **FromMailAddress** and **ToMailAddress** to prevent the recipient from receiving two emails for the same successful process

6. Enter the name of the mail server in the **MailServerName** section to specify the mail server.

Configuring Retail to PeopleSoft Invoice/Voucher Integration

The Retail to PeopleSoft Invoice ODI Integration can be configured to send emails to an individual when a successful transaction occurs.

To send emails to individuals on successful transaction:

1. Edit the **AIAConfigurationProperties.xml** file located in **AIA_HOME/config**.
2. Set the polling interval.

```
<Property name="PollingInterval">300000</Property>
```

The ODI process has a polling interval, which is the period of time (in milliseconds) the process waits before polling tables for new data. This polling interval can be changed as required.

3. Modify the property name:


```
<Property name="FromMailAddress">admin@company.com</Property>
<Property name="ToMailAddress">admin@compnay.com</Property>
<Property name="MailServerName">mail.company.com</Property>
```

4. Enter the email ID of the recipient in the **ToMailAddress** section to specify the person to receive the email messages.
5. Enter the email ID of the sender in the **FromMailAddress** section.

This value is required by the email process to send the email. Oracle AIA recommends that FromMailAddress and ToMailAddress to prevent the recipient from receiving two emails for the same successful process

6. Enter the name of the mail server in the **MailServerName** section to specify the mail server.

Configuring Web Services for Financials Ops Control: Oracle Retail - PSFT PIP (Optional)

In addition to the above modules, you can perform post-installation configuration for the following services:

- ☐ ProcessGLAccountValidationPeopleSoftProvABCSImpl
- ☐ SyncCurrencyExchangeListPeopleSoftReqABCSImpl
- ☐ SyncPaymentTermListPeopleSoftReqABCSImpl
- ☐ CreatePaymentTermPeopleSoftReqABCSImpl
- ☐ UpdatePaymentTermPeopleSoftReqABCSImpl
- ☐ SyncSupplierPartyListPeopleSoftReqABCSImpl
- ☐ CreateSupplierPartyListPeopleSoftReqABCSImpl
- ☐ UpdateSupplierPartyListPeopleSoftReqABCSImpl
- ☐ SyncCurrencyExchangeListRetailProvProvABCSImpl
- ☐ UpdatePaymentTermRetailProvProvABCSImpl
- ☐ CreatePaymentTermRetailProvProvABCSImpl
- ☐ SyncSupplierPartyListRetailProvProvABCSImpl
- ☐ CreateSupplierPartyRetailProvProvABCSImpl
- ☐ UpdateSupplierPartyRetailProvProvABCSImpl
- ☐ ProcessGLAccountValidationRetailReqABCSImpl
- ☐ DrillBackForward

For more information on how to configure these services, see the Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials: Financial Operations Control – Implementation Guide.

Creating Sequence Rights to PeopleSoft Database User (Required)

The ODI processes create a database sequence in PeopleSoft database. Ensure that the database user for the PeopleSoft database has appropriate rights to create sequences.

Verifying the Database Connection (Optional)

To verify the database connection:

1. Open ODI Topology Manager.
2. Expand **Oracle** in **Physical Architecture** tab.
3. Select **AIA SCHEMA DS**.
4. Right click and select **Edit** to open AIA SCHEMA DS.
5. Click **Test**.

This opens Test Connection window.

6. Click **Test**.

If successful connection message does not pop up, verify the connection information in the **Definitions** and **JDBC** tabs.

7. Repeat steps 1 to 6 for the following data sources:

- ☐ ORACLE RETAIL DS
- ☐ PEOPLESFT DS

Note: If PeopleSoft is under IBM DB2, the data source will be under IBM DB2 UDB technology.

Setting Up and Exporting Domain Value Mappings (Required)

You need to set up and export Domain Value Maps (DVM) to complete the install process.

To set up and export DVMs:

1. Set up all DVMs for the PIP.

2. Export the following DVMs:

- ☐ BUSINESS_UNIT
- ☐ CURRENCY_CODE
- ☐ CHARTOFACCOUNTS_GLELEMENT

During installation, AIA Installer prompts you to specify a folder in your local file system to store the exported DVMs files. Export the following DVMs to that folder:

- ☐ BUSINESS_UNIT
- ☐ CURRENCY_CODE DVMs

And export the CHARTOFACCOUNTS_GLELEMENT DVM to the
<AIA_HOME>\PIPS\Core\DIS\RetailToPSFTFin\CreateRetailViewSQL folder.

For more information on how to set up DVMs, see Process Integration for Oracle Retail to PeopleSoft Financials 2.5 – Implementation Guide, “Describing Domain Value Maps”, Implementing Oracle Retail to PeopleSoft Financials Process Integration Pack.

Setting Up ORGANIZATION_ID XREF (Required)

For more information about how to set up the ORGANIZATION_ID XREF, see Oracle Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials – Implementation Guide, “Implementing Oracle Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials,” Setting Up Cross-References for Oracle Retail IDs and PeopleSoft Entities.

Configuring WSDL URL for the BPEL Process AIAAsyncErrorHandlerBPELProcess (for Microsoft Windows (32-bit) platform only)

When you install the PIP on Microsoft Windows (32-bit) the ODI Packages will wrongly configure the WSDL URL for the BPEL Process *AIAAsyncErrorHandlerBPELProcess*. It looks like -
URL=\${WSDLLocator.output} or *-URL=\$AIAErrHndlr_WSDL\$*

The WSDL URL value is located at the following locations in ODI packages:

- ☐ Load RMS To PSFT Acct Entry Package and RMS To PSFT DB2 Package in the **ErrorNotification** step
- ☐ Load RETL Invoices To PSFT Pkg in the **OdilInvokeWebService** step.

To correct this you need to update the WSDL URL for AIAAsyncErrorHandlerBPELProcess with the right value.

To find the right value:

1. Log into your **BPEL Console**: ().
2. Navigate to **Processes** tab and click **AIAAsyncErrorHandlingBPELProcess** (v 1.0).
3. Navigate to **WSDL** tab. The URL is the WSDL Location value.

The URL of the WSDL looks like .

4. Copy this value.

To update the value in ODI:

1. Launch ODI Designer.
2. Navigate to **Projects** tab and expand the **Project** node (e.g. "RMS To PSFT Acct Entry Project"), **Folder**, **Packages**, **Package** (e.g. "Load RMS To PSFT Acct Entry Package") and Steps.
3. Double click **ErrorNotification** step (or "OdilInvokeWebService 5")
4. Navigate to **Oracle Data Integrator Command** tab and replace \${WSDLLocator.output} with the WSDL Location value.
5. Click **OK**.
6. Repeat the process for all the packages.
7. Verify the installation using steps in the chapter.

Read Oracle Retail Merchandising Integration Pack for PeopleSoft Enterprise Financials: Financial Operations Control 2.5 - Implementation Guide to complete PIP implementation

Chapter 22: Installing the Financials Ops Control: Oracle Retail - EBS PIP

This chapter provides an overview of Financials Ops Control: Oracle Retail - EBS PIP screens in AIA Installer and includes the following sections:

Configuring Oracle Data Integrator

Creating Oracle Data Integrator Repositories

AIA Installer Interview for the Financials Ops Control: Oracle Retail - EBS PIP

Installing Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP

Performing Post-Installation Configurations

Configuring Oracle Data Integrator

To run AIA Installer you must have ODI access with Supervisor privileges.

For installation purposes, the ODI software must reside on the same server on which Foundation Pack is installed. Once the PIP installation is complete, the ODI Software can be installed on another server (if desired) connecting to the master and work repositories provided during the PIP installation.

If you decide to run ODI on a server other than the one on which Foundation Pack is, after installing the PIP, you should copy the `<aia_home>/config/AIAConfigurationProperties.xml` file on to that server. Then modify the JDBC URL information for the AIA Configuration Properties DS Data Server in ODI to point to the new location of the `AIAConfigurationProperties.xml`.

AIA Configuration Properties DS is located in the **Physical Architecture** tab in ODI topology. The JDBC URL is located under the JDBC tab.

For example, after installation you copied the file into `Z:/Oracle/PIP/`. Consider the following JDBC URL:

```
jdbc:snps:xml?f=D:/Oracle/FPAIAHOME/config/AIAConfigurationProperties.xml&s=AIACONFIGSCHEMA
```

Then update the path to the location of the file in the server where ODI software will be running:

```
jdbc:snps:xml?f=Z:/Oracle/PIP/AIAConfigurationProperties.xml&s=AIACONFIGSCHEMA
```

For more information, see Notes on the Recommended Topology section for additional configurations for running ODI in a different server.

The ODI batch pieces of the Retail to EBS PIP are designed to process extremely large transaction volumes. You must adjust and tune all databases accordingly, particularly the rollback capability of the Retail (source) database. For this you must size the UNDO tablespace. For information on how to size the UNDO tablespace, see the OTN article at:

Creating Oracle Data Integrator Repositories

You can use an existing master repository, as long as it exists on an Oracle database. You need not create a new master repository.

You can use an existing work repository, as long as it exists on an Oracle database and its ID is not 900. If its ID is 900, AIA recommends creating a new repository where the Work Repository ID is not 900.

When you run AIA Installer, the PIP artifacts are inserted and updated in these repositories.

AIA recommends taking a backup of master and work repositories before you start the installation process.

For information about creating Oracle Data Integrator Master and Work repositories, see the Oracle Data Integrator Installation Guide, "Creating Repositories".

AIA Installer Interview for the Financials Ops Control: Oracle Retail - EBS PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP. Collect the data required for and enter the details of the Financials Ops Control: Oracle Retail - EBS PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
<i>E-Business Suite Host Name</i>	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: <i>example1.corp.oracle.com</i> . E-Business Suite Host Name is _____
<i>E-Business Suite Port</i>	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: <i>8024</i> . E-Business Suite Port is _____
<i>E-Business Suite User Name</i>	To find this value, contact your administrator.

Field	Description
	E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: SID.server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	This is the version of the E-Business Suite Application. Valid value for the Financials Ops Control: Oracle Retail - EBS PIP is 12.1.1 . Other versions are not supported in this release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: apps . Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL (universal resource locator) and data source URLs.

Oracle Retail Service Layer Connection Details Screen

Use this screen to enter details related to your Oracle Retail Service Layer connection database instance.

The screen contains the following fields:

Field	Description
Host Name	This value is the host name for the web services provided by Retail. To find this value, contact the Retail system administrator. Example: mspdev68 . Host Name is _____
Port Number	This value is the port for the web services provided by Retail. To find this value, contact the Retail system administrator. Example: 7781 . Port Number is _____

Oracle Retail Integration Bus Connection Details Screen

Use this screen to enter details related to your Oracle Retail Integration Bus connection database instance.

The screen contains the following fields:

Field	Description
Database Host Name	This value is the database host name for the Retail Integration Bus (RIB) database connection. To find this value, contact the Retail database administrator. Example: mspdev73 . Oracle Retail Integration Bus Database Host Name is _____.
Database Port Number	This value is the database port number for the RIB database connection. To find this value, contact the Retail database administrator. Example: 1521 . Oracle Retail Integration Bus Database Port Number is _____.
Database SID	This value is the database system ID for the RIB database connection. To find this value, contact the Retail database administrator. Example: dvolr022 . Oracle Retail Integration Bus Database SID is _____.
Database Username	This value is the database username for the RIB database connection. To find this value, contact the Retail database administrator. Example: ribaq . Oracle Retail Integration Bus Database Username is _____.
Database Password	This value is the database password for the RIB database connection. To find this value, contact the Retail database

Field	Description
	administrator. Example: rettek Oracle Retail Integration Bus Database Host Name is _____.

Oracle Retail Database Connection Details Screen

Use this screen to enter details related to your Oracle Retail database connection instance.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact the database administrator. Example: rettekserver.oracle.com Oracle Retail Database Host Name is _____
Database Port Number	To find this value, contact the database administrator. Example: 1521 Oracle Retail Database is Port Number _____
Database SID	To find this value, contact the database administrator. Example: rettek Oracle Retail Database SID is _____
Database Username	To find this value, contact the database administrator. Example: rettek Oracle Retail Database Username is _____
Database Password	To find this value, contact the database administrator. Example: welcome Oracle Retail Database Password is _____
Database Schema	This value is same as the Database user name in most cases. However, if the database user name uses synonymous schema to access the actual tables, provide the schema name that owns the tables. To find this value, contact the database administrator. Example: rettek Oracle Retail Database Schema is _____

Oracle Data Integrator Access Details Screen

Use this screen to enter details to access Oracle Data Integrator.

The screen contains the following fields:

Field	Description
Path to Oracle Data Integrator	Provide the path to the ODI HOME up to the <i>oracledi</i> folder (included).

Field	Description
	To find this value, contact your administrator. Example: <i>/slot/ems2467/abc/odi/oracledi</i> (for Linux) Oracle Data Integrator Path is _____
<i>ODI User</i>	To find this value, contact your administrator. Example: <i>SUPERVISOR</i> . Oracle Data Integrator User is _____
<i>ODI Password</i>	To find this value, contact your administrator. Oracle Data Integrator Password is _____
<i>Path for exported DVMs</i>	Enter the path to directory to export Domain Value Mappings (DVM). Example: <i>\$AIA_HOME/PIPS/Core/DIS/RetailToEBSin/DVM</i> One of the steps for setting up the PIP is to export some DVMs to a location. The installer needs to know this location in order to configure ODI artifacts during the install. It is recommended to choose this location in the same server where ODI Software will run. Path for Exported DVM is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository before installing the Financials Ops Control: Oracle Retail - EBS PIP. This master repository must be created in an Oracle database. The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository.

The screen contains the following fields:

Field	Description
<i>Database Host Name</i>	To find this value, contact your database administrator. Example: <i>server1.oracle.com</i> Oracle Database Integrator Master Repository Database Host Name is _____
<i>Database Port Number</i>	To find this value, contact your database administrator. Example: <i>1521</i> Oracle Database Integrator Master Repository Database Port Number is _____
<i>Database SID</i>	To find this value, contact your database administrator. Example: <i>orcl</i> Oracle Database Integrator Master Repository Database SID is _____
<i>Database Username</i>	To find this value, contact your database administrator. Example:

Field	Description
	<i>snpm</i> Oracle Database Integrator Master Repository Database Username is _____
<i>Database Password</i>	To find this value, contact your database administrator. Example: <i>snpm</i> Oracle Database Integrator Master Repository Database Password is _____

Oracle Data Integrator Work Repository for Retail to EBS Financials PIP Details Screen

The installation process imports the Retail to EBS ODI artifacts into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. Using an empty repository is recommended.

Use this screen to enter details related to the ODI Work Repository.

The screen contains the following fields:

Field	Description
<i>ODI Work Repository Name</i>	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: <i>RETAILEBS</i> ODI Work Repository Name is: _____
<i>ODI Work Repository ID</i>	Enter the ID number that you used for the ODI Work Repository. It should be between 1 and 899. Example: <i>42</i> Do not use 900. Also do not use the ID already used for other work repositories. ODI Work Repository ID is: _____

Installing Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP. Keep the completed worksheets of Foundation Pack and Financials Ops Control: Oracle Retail - EBS PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.

- Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

- Click **Next**.

Choose Financials Ops Control: Oracle Retail - EBS PIP to Install

To choose Financials Ops Control: Oracle Retail - EBS PIP to install:

- Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

- Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

- Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
- Select **Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandise Operations Management and E-Business Suite Financials PIP** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

- Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your Oracle E-Business Suite Server installation in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database installation in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Oracle Retail Service Layer Connection Details

To specify Oracle Retail Service Layer Connection details:

1. Enter information about your Oracle Retail Service Layer Connection installation in the **Oracle Retail Service Layer Connection Information** screen.
2. Click **Next**.

Specify Oracle Retail Integration Bus Connection Details

To specify Oracle Retail Integration Bus Connection details:

1. Enter information about your Oracle Retail Integration Bus Connection installation in the **Oracle Retail Integration Bus Connection Information** screen.
2. Click **Next**.

Specify Oracle Retail Database Connection Details

To specify Oracle Retail Database Connection details:

1. Enter information about your Oracle Retail Database Connection installation in the **Oracle Retail Database Connection Information** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.
6. Specify the **Path for exported DVMs**.
7. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **Oracle Data Integrator Work Repository for Retails to EBS** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Financials Ops Control: Oracle Retail - EBS PIP:

- Verify the database connection (Optional)
- Set up and export Domain Value Mappings (Required)
- Set up XREFs ORGANIZATION_ID and PAYMENTTERM_ID (Required)
- Set up Oracle E-Business Suite (Required)

To fulfill these post installation configurations, the concurrent manager must be up and running and the following business events must be enabled:

- oracle.apps.gl.CurrencyConversionRates.dailyRate.specify
- oracle.apps.gl.CurrencyConversionRates.dailyRate.specify
- oracle.apps.ap.supplier.event
- oracle.apps.gl.Journals.journal.completeImport

- oracle.apps.ap.invoice.import

Verifying the Database Connection (Optional)

To verify the database connection:

1. Open ODI Topology Manager.
2. Expand **Oracle** in **Physical Architecture** tab.
3. Select **AIA SCHEMA DS**.
4. Right click and select **Edit** to open **AIA SCHEMA DS**.
5. Click **Test**.

This opens Test Connection window.

6. Click **Test**.

If successful connection message does not pop up, verify the connection information in the **Definitions** and **JDBC** tabs.

7. Repeat steps 1 to 6 for the following data sources:

- ☐ RETAIL DS
- ☐ Oracle E-Business Suite DS

Setting Up and Exporting Domain Value Mappings (Required)

You need to set up and export Domain Value Maps (DVM) to complete the install process.

To set up and export DVMs:

1. Set up all DVMs for the PIP.
2. Export the following DVMs:

During installation, AIA Installer prompts you to specify a folder in your local file system to store the exported DVMs files. Export the following DVMs to that folder:

BUSINESS_UNIT

CURRENCY_CODE

PAYABLEINVOICE_PAYABLEINVOICELINETAXVATCODE

CURRENCYEXCHANGE_CONVERSIONTYPECODE

For more information on how to set up DVMs, see Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandising Suite and Oracle E-Business Suite Financials 2.5 – Implementation Guide, “Describing Domain Value Maps”, Implementing Oracle Retail to Oracle E-Business Suite Process Integration Pack.

Setting Up XREFs ORGANIZATION_ID and PAYMENTTERM_ID (Required)

The following steps are for setting up ORGANIZATION_ID, but they can be used for any other XREF table initial loads as well by substituting the appropriate XREF table name, column names, and values.

To insert records into the cross reference table using XREF utilities:

1. Create an .xml file using the following sample.

Update the XML file where the font is **BOLD** with the appropriate values:

column name - define the columns in the table that you want to populate

cell colName – this creates the rows and defines the values in that row for the columns

Note: The column “COMMON” is not needed in the xml file because the tool will generate it

Sample 1 .xml: organization.xml

```
<xref xmlns="http://xmlns.oracle.com/xref">
<table name="ORGANIZATION_ID">
<columns>
  <column name="RETL_01"/>
  <column name="EBIZ_01"/>
</columns>
<rows>
  <row>
    <cell colName="RETL_01">3333333333333333</cell>
    <cell colName="EBIZ_01">204</cell>
  </row>
  <row>
    <cell colName="RETL_01">4444444444444444</cell>
    <cell colName="EBIZ_01">458</cell>
  </row>
  <row>
    <cell colName="RETL_01">5555555555555555</cell>
    <cell colName="EBIZ_01">667</cell>
  </row>
</rows>
</table>
</xref>
```

Sample 2 .xml: PaymentTerm_ID.xml

```

<xref xmlns="http://xmlns.oracle.com/xref">
<table name="PAYMENTTERM_ID">
<columns>
  <column name="RETL_01"/>
  <column name="EBIZ_01"/>
</columns>
<rows>
  <row>
    <cell colName=" RETL_01">750</cell>
    <cell colName="EBIZ_01">10001</cell>
  </row>
  <row>
    <cell colName=" RETL_01">751</cell>
    <cell colName=" EBIZ_01">10002</cell>
  </row>
  <row>
    <cell colName=" RETL_01">752</cell>
    <cell colName="EBIZ_01">10003</cell>
  </row>
</rows>
</table>
</xref>

```

2. Save the xml file to a temp directory on the SOA server in the bin directory (for your particular server)

\$SOA_HOME/integration/esb/bin

For example:

\$SOA_HOME = /slot/ems1891/oracle/product/10.1.3.1/OracleAS_1

Note: Before running the commands below, make sure that the XREF table and the columns you need to populate exist on your sever. (See the note before Step 8)

3. Prior to running the XREF tool, make sure you have set up your environment variables for the following.

OC4J_USERNAME

OC4J_PASSWORD

4. Run the xrefimport tool to import the cross-references by following the instructions below.

This opens Test Connection window.

5. Use Xterm or any other protocol to connect the SOA server.

Xterm location:

<http://ebiztta.oraclecorp.com/cgi-bin/secure/ttawlogin.cgi?action=start&pg=index2.html>

6. On the command line, type the commands in the example below. Substitute your server and port.

Bold: commands

Bold Italics: values in the command that needs to be substituted with the appropriate values

Example:

Log in: **ssh -l ora1891 adc60117fems.us.oracle.com** (ssh -l is the lower case letter l, not numeric 1)

For the login, substitute host and user name with the appropriate values for your server. You may be asked the following question:

“Are you sure you want to continue connecting (yes/no)?” Respond with Yes.

At the prompt for password, enter “**welcome**” (without quotes). You will get the following prompt:

-bash-3.00\$ (3.00 might be different)

7. At the bash prompt, change directories as follows:

```
-bash-3.00$ cd product/10.1.3.1/OracleAS_1/integration/esb/bin
You will get the -bash prompt again.
```

Note: If this step is already completed, move to Step 9.

8. If you first need to add the XREF table and columns or just the columns on the server, enter the following:

```
-bash-3.00$ chmod +x xreftool.sh
-bash-3.00$ ./xreftool.sh -shell
-bash-3.00$ export OC4J_USERNAME=oc4jadmin
-bash-3.00$ export OC4J_PASSWORD=welcome1
-bash-3.00$ ./xreftool.sh -shell
```

The prompt should change to >

```
addTable ORGANIZATION_ID
addColumn ORGANIZATION_ID EBIZ_01,COMMON,RETL_01
Organization_Id XREF table is now added with the columns needed for the initial load.
```

9. Enter the following commands to import the data in the .xml file to the XREF table. This will be using the xrefimport tool. After each command, you will be returned to the -bash prompt.

```
-bash-3.00$ chmod +x xrefimport.sh
-bash-3.00$ ./xrefimport.sh -shell
```

10. Set the following environment variables with the correct values, using the script below:

```
DB_USER
DB_PASSWORD
OC4J_USERNAME
OC4J_PASSWORD
DB_UR
```

Example:

```
-bash-3.00$ export DB_USER=aia
-bash-3.00$ export DB_PASSWORD=aia
-bash-3.00$ export OC4J_USERNAME=oc4jadmin
-bash-3.00$ export OC4J_PASSWORD=welcome1
-bash-3.00$ export DB_URL="jdbc:oracle:thin:@adc60117fems.us.oracle.com:1612:finandb"
```

Substitute the following with values for your server.

db hostname - **adc60117fems.us.oracle**

jdbc port - **1612**

sid - **finandb**

11. Import the data using the commands below:

```
-bash-3.00$ xrefimport.sh -file \TEMP/organization_id.xml -mode ignore -generate
COMMON
```

Parameters:

-file = your xml file name with the directory you saved it in (your file should be in a folder in the bin directory)

Since you are already in the bin directory, you don't need to change dir. (Required)

-mode = defines how to handle conflicts with existing data in the xref table. There are two possibilities for mode (Optional)

-mode ignore = existing records in the xref table will be ignored or left as is. New data from the xml file will be appended to the existing data if different. If the data is a duplicate for a row, a new record will not be written.

-mode overwrite = if there is a conflict with the data, the existing data in question will be overwritten with the new data from the XML file

-generate COMMON = this tells the tool to generate a common record for each set of rows with an auto-generated guid. It links the records together by row number (Optional)

To validate cross references:

1. Log on to the AIA database.
2. Query the table, **XREF_DATA**, to confirm that every organization used in the XML file has three records.

Use the following query to retrieve all records in the ORGANIZATION_ID TABLE

```
select * FROM xref_data where xref_table_name='ORGANIZATION_ID'
```

or

The query below will retrieve the three associated records for the org_id you selected

```
select * from xref_Data
where row_number in (select row_number from xref_Data
where value = 'CAN01')
```

3. Validate that three records were written for each row.

RETL_01, EBIZ_01 and COMMON

The three records should be linked to each other with a common row number value.

Setting Up Oracle E-Business Suite (Required)

- ☐ Login to Oracle E-Business Suite self-service, navigate to **General Ledger** responsibility, launch **Categories** form, and enter the following categories:

Category	Key	Description
RETEK	RETEK	RETEK
RMS	RMS	Retail RMS
Retail Invoices	Retail Invoices	Retail Invoices

- ☐ Launch **Sources** form, and enter the following sources:

Source	Key	Description
RMS	RMS	Retail RMS
Writeoffs	Writeoffs	Retail Writeoffs
Prepayments	Prepayments	Retail Prepayments
Manual Payments	Manual Payments	Retail Manual Payments

Navigate to Payables responsibilities. In the Lookup menu, launch the Payables Form.

Enter the following condition and search:

Type: SOURCE

Application: Payables

In the result list, add the following line and save:

Code	Meaning	Description
REIM	RetekReIM	Retek ReIM

Enable event oracle.apps.ap.invoice.import if customer wants the AIA XREF to be populated

Enable event oracle.apps.gl.Journals.journal.completeImport if customer wants the AIA XREF to be populated

Verify the installation using steps in the chapter

Read *Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandise Operations Management and E-Business Suite Financials 2.5 - Implementation Guide* to complete PIP implementation

Chapter 23: Installing the Financial Accounting Hub for PSFT GL PIP

This chapter provides an overview of Financial Accounting Hub for PSFT GL PIP screens in AIA Installer and includes the following sections:

Configuring Oracle Data Integrator

Creating Oracle Data Integrator Repositories

AIA Installer Interview for the Financial Accounting Hub for PSFT GL PIP

Installing Foundation Pack and Financial Accounting Hub for PSFT GL PIP

Performing Post-Installation Configurations

Configuring Oracle Data Integrator

To run AIA Installer you must have ODI access with Supervisor privileges.

For install purposes, the ODI software must reside at the same server where Foundation Pack is installed. Once the PIP installation is complete, the ODI Software can be installed into another server (if desired) connecting to the master and work repositories used during the PIP installation.

Creating Oracle Data Integrator Repositories

You can use an existing master repository as long as it exists on an Oracle database and its ID is not 777. If its ID is 777, AIA advises you to create a new master repository.

You can use an existing work repository as long as it exists on an Oracle database and its ID is not 900. If its ID is 900, AIA advises you to create a new repository and do not use 900 as the Work Repository ID.

When you run AIA Installer, it inserts or updates the PIP artifacts into these repositories.

AIA recommends that you take a backup of master and work repositories before you start the install process.

For information about creating Oracle Data Integrator Master and Work repositories, see the Oracle Data Integrator Installation Guide, "Creating Repositories."

The Metadata Navigator is initially associated with the default work repository. It must be associated with the work repository that is created for this PIP.

To associate the Metadata Navigator with the work repository created for this PIP:

1. Open the files:

```
<ODI_HOME>/bin/snps_login_work.xml
```

```
<SOA_HOME>/j2ee/oc4j_soa/applications/ODIMeta/oracledimn/WEB-INF/snps_login_work.xml
```

2. Change the following value in the **SnplLogin** block to the name of the work repository created for the PIP.

```
<Field name="LoginWorkRepository"
type=" java.lang.String"><![CDATA[TESTWORKREP01]]></Field>
```

For example, if FAHPSFT is the name of the work repository that is created for the PIP, then the field should be changed to:

```
<Field name="LoginWorkRepository"
type=" java.lang.String"><![CDATA[FAHPSFT]]></Field>
```

3. Restart the application server.

The Metadata Navigator is now associated with the work repository of the PIP and all artifacts can be viewed in the navigator through the Repository-Supervisor-Sunopsis login.

AIA Installer Interview for the Financial Accounting Hub for PSFT GL PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Financial Accounting Hub for PSFT GL PIP. Collect the data required for and enter the details of Financial Accounting Hub for PSFT GL PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

PeopleSoft FSCM Web Services Information Details Screen

Use this screen to enter details related to your Financial Accounting Hub for PSFT GL instance. These details are also used by the DrillBackForward service to:

Construct the URL for PSFT.

Communicate with PSFT web service deployed at this location.

The screen contains the following fields:

Field	Description
PeopleSoft FSCM Web Services Host	This value is the host name for the web service provided by PeopleSoft. To find this value, contact the PeopleSoft system administrator. Example: rtas245.peoplesoft.com PeopleSoft FSCM Web Services Host Name is _____
PeopleSoft FSCM Web	This value is the port for the web service provided by PeopleSoft.

Field	Description
Services Port	To find this value, contact the PeopleSoft system administrator. Example: 7501 PeopleSoft FSCM Web Services Port is _____
Default Local Node	This value is the default local node for the specific instance of PeopleSoft. This value is unique to the instance of PeopleSoft and enables the PeopleSoft Gateway to identify the application server to which it should route the web service request. Example: E900B20 Default Local Node is _____

PeopleSoft FSCM Database Connection Information Details Screen

Use this screen to enter details related to your PeopleSoft FSCM database connection instance.

The screen contains the following fields:

Field	Description
Database Type	This value is the database type being used by the PeopleSoft Financials system. To find this value, contact the database administrator. Example: Oracle Database Type is _____.
Database Host Name	This value is the PeopleSoft database host name. To find this value, contact the database administrator. Example: psftserver.mycompany.com Database Host Name is _____.
Database Port Number	This value is the PeopleSoft database host name. To find this value, contact the database administrator. Example: 1588 Database Port Number is _____.
SID (System ID)	To find this value, contact the database administrator. Example: psftfscm SID is _____.
Database Username	To find this value, contact the database administrator. Example: psft Database Username is _____.
Database Password	To find this value, contact the database administrator. Example: welcome PeopleSoft Financials system Database Password is _____.
Database Schema	This value is the same as the Database user name in most cases. However, if the database user name uses synonymous schema to access the actual tables, provide the schema name that owns the tables. This value is the PeopleSoft database schema. To find this value,

Field	Description
	contact the database administrator. Example: psft PeopleSoft Financials system Database Schema is _____.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	This is the E-Business Suite Version number. For example: 12.0.5. To find this value, contact your administrator. E-Business Suite Version is _____

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 .

Field	Description
	E-Business Suite Database Port is _____
E-Business Suite Database User Name	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1 . Database Schema is _____
	Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Oracle Data Integrator Access Information Details Screens

Use these screens to enter details to access Oracle Data Integrator.

These screens contain the following fields:

Field	Description
ODI_HOME	Provide the path to the ODI_HOME up to the oracledi folder (included). To find this value, contact your administrator. Example: /slot/ems2467/abc/odi/oracledi for Linux and C:\odi\oracledi" and for Windows . Path to Oracle Data Integrator is _____
ODI User	To find this value, contact your administrator. Example: SUPERVISOR . ODI User is _____
ODI Password	To find this value, contact your administrator. Example: SUNOPSIS . ODI Password is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository prior to installing the Financial Accounting Hub for PSFT GL PIP. This master repository must be created in an Oracle database.

The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: server1.oracle.com Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: 1521 Database Port Number is _____
Database Username	To find this value, contact your database administrator. Example: snpm Database Username is _____
Database Password	To find this value, contact your database administrator. Example: snpm Database Password is _____
Database SID	To find this value, contact your database administrator. Example: oracle Database SID is _____

Oracle Data Integrator Work Repository for FAH to PeopleSoft FSCM Details Screen

The install process imports the FAH to PeopleSoft General Ledger ODI artifacts into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended that you use an empty repository.

Use this screen to enter details related to the ODI Work Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: FAHPSFT ODI Work Repository Name is _____
ODI Work Repository ID	Enter the ID number that you used for the ODI Work Repository. It should be between 1 and 899. Example: 200 Do not use 900. Also do not use the ID already used for other work repositories. ODI Work Repository ID is _____

Installing Foundation Pack and Financial Accounting Hub for PSFT GL PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Financial Accounting Hub for PSFT GL PIP. Keep the completed worksheets of Foundation Pack and Financial Accounting Hub for PSFT GL PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Financial Accounting Hub for PSFT GL PIP to Install

To choose Financial Accounting Hub for PSFT GL PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Financials Accounting Hub Integration Pack for PeopleSoft General Ledger** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check section for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify PeopleSoft FSCM Web Services Details

To specify PeopleSoft FSCM Web Services details:

1. Enter information about your PeopleSoft FSCM Web Services installation in the **PeopleSoft FSCM Web Services Information** screen.
2. Click **Next**.

Specify PeopleSoft FSCM Database Connection Details

To specify PeopleSoft FSCM Database Connection details:

1. Enter information about your PeopleSoft FSCM Database Connection installation in the **PeopleSoft FSCM Database Connection Information** screen.

Note: The PIP currently only supports Oracle. Do not select another Database Type.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server Details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your E-Business Suite Database in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.

For more information refer to Oracle Financial Accounting Hub Integration Pack for PeopleSoft General Ledger 2.5 - Implementation Guide, "Configuring Oracle Data Integrator," Performing Post-Installation Steps.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository for FAH to PeopleSoft FSCM Details

To specify Oracle Data Integrator Work Repository for FAH to PeopleSoft FSCM details:

1. Enter information about your Oracle Data Integrator Work Repository for FAH to PeopleSoft General Ledger installation in the **Oracle Data Integrator Work Repository for FAH to PeopleSoft** screen.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configuration.

Performing Post-Installation Configurations

To perform post-installation configurations:

1. As a fix for bug 8533397, Oracle Apps Adapter is not able to set apps context header, use patch number 6640838 to download the Oracle Universal Installer 10.1.0.6.0 from My Oracle Support. Install this on ORACLE_HOME with all the components listed on the screen.

2. Use patch number 6880880 to download the OPatch 10.1, version 1.0.0.0.62 from My Oracle Support. Replace the existing version on ORACLE_HOME with this version.
3. Download and apply patch 8533397 from My Oracle Support. The patch readme file contains the required instructions to restart the FMW server.
4. If you are on 8.9, apply the PeopleSoft Financials GL 8.9 with resolutions 791022, which must be applied first, followed by 801425, 787508 and 787509.
5. If you are on 9.0, apply the PeopleSoft Financials GL 9.0 with resolutions 791023, which must be applied first, followed by 801426, 789449 and 789450.
6. If you are on 9.1, there are no additional resolutions to be applied.
7. Apply the following E-Business Suite patches:

☐ If the E-Business Suite is 12.0.5, apply the the following patches:

ARU #	Description	Owner
7413700:R12.GL.A	R12 GL EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	GL
8208641:R12.GL.A	FSAH-PSFT:ST:QA:Sync value set is not deactivating Code Combinations	GL
7347280:R12.XLA.A	R12 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
7720782:R12.XLA.A	R12 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
7888968:R12.XLA.A	R12.XLA EBS patch that allows posting from Invalid Accounts to Suspense Accounts	XLA
7434269:R12.GL.A	EBI: R12 GL EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5	E-Business Suite Integration
8259208:R12.XLA.A	EBI: R12 XLA EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5.	E-Business Suite Integration

☐ If the E-Business Suite is 12.1.2, apply the following patches in the same order:

ARU #	Description	Owner
9318127:R12.GL.B	R12.1.2 GL EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	GL
9104422:R12.XLA.B	R12.1.2 XLA EBS patch to support Financial Accounting Hub for PSFT GL PIP 2.5	XLA
9323630:R12.GL.B	EBI: R12.1.2 GL EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5	E-Business Suite Integration
9324488:R12.XLA.B	EBI: R12.1.2 XLA EBIZ patch to support Financial Accounting Hub for PSFT GL PIP 2.5.	E-Business Suite Integration

8. Verify the installation using steps in the chapter.

Read Oracle Financial Accounting Hub Integration Pack for PeopleSoft General Ledger 2.5 - Implementation Guide to complete PIP implementation.

Chapter 24: Installing the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

This chapter provides an overview of Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP screens in AIA Installer and includes the following sections:

Creating Oracle Data Integrator Repositories

AIA Installer Interview for the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

Performing Pre-Installation Configurations

Installing Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

Performing Post-Installation Configurations

Creating Oracle Data Integrator Repositories

Pre-requisite/Assumption: The Master Repository and the Work Repository are already created in ODI

You can use an existing master repository as long as it exists on an Oracle database. You need not create a new master repository.

You can use an existing work repository as long as it exists on an Oracle database and its ID is not 900. If its ID is 900, AIA advises you to create a new repository and do not use 900 as the Work Repository ID.

When you run AIA Installer, it inserts or updates the PIP artifacts into these repositories.

AIA recommends that you take a backup of master and work repositories before you start the install process.

For information about creating Oracle Data Integrator Master and Work repositories, see the Oracle Data Integrator Installation Guide, "Creating Repositories."

AIA Installer Interview for Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP. Collect the data required for and enter the details of Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel HTTP Hostname	This is a machine name of the Siebel host. For example: example1.corp.siebel.com . To find the value, contact your administrator. Siebel HTTP Hostname is _____
Siebel HTTP Port	This value is the Siebel application port. For example: 80 . To find the value, contact your administrator. Siebel HTTP Port is _____
Siebel EAI Application User	The Siebel application user is used for making EAI web service calls. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application User is _____
Siebel EAI Application Password	This is the password for the EAI user. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server Name	To find this value, contact the administrator. Siebel Enterprise Server Name is _____
Siebel Version	Version of application, for example Siebel 8.1.1 SIA. Siebel Version is _____

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. For example: server1.oracle.com . To find the value, contact your database administrator. Siebel Database Host is _____
Siebel Database Port	This is the Siebel database port. For example: 1521 . To find the value, contact your database administrator. Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____

Field	Description
Siebel Database Password	This is the Siebel Database Password. For example: ora07103 . To find the value, contact your database administrator. Siebel Database Password is _____
Siebel Database SID	This is the Siebel database system ID. For example: qa7a . To find the value, contact your database administrator. Siebel Database SID is _____

Oracle Communications BRM Screen

Use this screen to enter details related to your Oracle Communications BRM instance.

The screen contains the following fields:

Field	Description
Host Name	This is the host name of the primary Connection Manager (CM) of the BRM server. For example: example1.portal.com . To find this value, contact your Oracle AQ system administrator. Host Name is _____
Port Number	This is the port number of primary Connection Manager (CM) of the BRM server. For example: 12600 . To find this value contact your Oracle AQ database administrator System Administrator Port Number is _____
Database Host Name	This is the database host name of the Oracle AQ for which the BRM DM_AQ is configured. For example: example2.portal.com . To find this value, contact your Oracle AQ database administrator Database Hostname is _____
Database Port	This is the database port number of the Oracle AQ. For example: 1521 . To find this value, contact your Oracle AQ database administrator. Database Port is _____
SID	This is the database instance of the Oracle AQ. For example: orcl . To find this value, contact your Oracle AQ database administrator. SID is _____
Username	This is the database username of the Oracle AQ. For example: portalUser . To find this value, contact your Oracle AQ database administrator.
Password	This is the database password of the Oracle AQ. To find this value, contact your Oracle AQ database administrator. Password is _____
AQ Queue Name	This is the queue name configured for the BRM DM_AQ. For example: AqportalUser . To find this value, contact your Oracle AQ database administrator.

Field	Description
	AQ Queue Name is _____

Oracle Data Integrator Access Information Details Screens

Use these screens to enter details to access Oracle Data Integrator.

These screens contain the following fields:

Field	Description
ODI_HOME	Provide the path to the ODI_HOME up to the oracledi folder (included). To find this value, contact your administrator. Example: <i>/slot/ems2467/abc/odi/oracledi for Linux and C\odi\oracledi” and for Windows.</i> Path to Oracle Data Integrator is _____
ODI User	To find this value, contact your administrator. Example: <i>SUPERVISOR.</i> ODI User is _____
ODI Password	To find this value, contact your administrator. Example: <i>SUNOPSIS</i> ODI Password is _____
Path for exported DVMs	Enter the path of the directory to export Domain Value Mappings (DVM). DVM folder gets created along with Foundation Pack installation. If you have already installed Foundation Pack use <i>\$AIA_HOME/PIPS/Industry/Communications/SeedData/DVM.</i> If you are installing the PIP along with Foundation Pack for the first time, create a temporary folder for the DVMs. DVM will be exported to this location. If you want to change the path to reflect the above location, open deploy.properties file from <AIAHOME>/config post installation, search for odi.dvm.path and replace the temporary folder path with the above location. Path for exported DVMs is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository prior to installing the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP. This master repository must be created in an Oracle database.

The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: server1.oracle.com Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: 1521 Database Port Number is _____
Database Username	To find this value, contact your database administrator. Example: snpm Database Username is _____
Database Password	To find this value, contact your database administrator. Example: snpm Database Password is _____
Database SID	To find this value, contact your database administrator. Example: oracle Database SID is _____

Oracle Data Integrator Work Repository Details for Agent Assisted Billing Care Screen

The install process imports the Collections flow ODI artifacts into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended that you use an empty repository.

Use this screen to enter details related to the ODI Work Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: WORKER ODI Work Repository Name is _____
ODI Work Repository ID	Enter the ID number that you used for the ODI Work Repository. It should be between 1 and 899. Example: 4200-→ does it need to be between 1 and 899 Do not use 900. Also do not use the ID already used for other work repositories. ODI Work Repository ID is _____

Performing Pre-installation Configurations

This section discussed the following pre-installation configurations for the Comms Order to Bill: Siebel CRM - BRM PIP.

Create tablespace in AIA database.

Add an attribute to opmn.xml file.

Create Tablespace in AIA Database

If you are installing this PIP on Microsoft Windows platform, ensure that "USERS" tablespace exists in the AIA database. You need to create one if you do not find one.

To create a tablespace with the name "USERS" in the AIA database run the oracle database **create tablespace** command.

Sample command to create the tablespace looks `create tablespace users datafile '[your file name]' size [file size]`

For more details on creating tablespace refer to Oracle DBA guide.

Adding an Attribute to opmn.xml File

To add an attribute to opmn.xml file:

1. Open the <soa_home>/opmn/conf/opmn.xml file.
2. Search for


```
<process-type id="oc4j_soa / name of the oc4j container" module-id="OC4J" status="enabled">
  <module-data>
    <category id="start-parameters">
      <data id="java-options"
```
3. Add `-DHTTPClient.disableKeepAlives=true` attribute at the end of the <data> tag.
4. Add / modify the following parameters to the java-options of oc4j_soa.


```
-mx2048M -ms1560M -XX:MaxPermSize=512M -XX:+UseLargePages
-XX:+AggressiveHeap -XX:MaxNewSize=1334M -XX:NewSize=1334M
```

Note: MaxNewSize should typically be 70% of the heap size.

5. Restart Oracle SOA Suite.

Installing Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP. Keep the completed worksheets of Foundation Pack and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP to Install

To choose Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the

specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Siebel CRM Integration Pack for Oracle Communications Billing and Revenue Management: Agent Assisted Billing Care** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM Server details:

1. Enter information about your Siebel CRM application in the **Application Details – Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM Database details:

1. Enter information about your Siebel CRM database in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Specify Oracle Communications BRM Details

To specify Oracle Communications BRM details:

1. Enter Oracle Communications BRM information in the **Oracle Communications BRM** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.
6. Specify the **Path for exported DVMs**.
7. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository Details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **Oracle Data Integrator Work Repository Details for Agent Assisted Billing Care** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post installation configuration for Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP.

Suppressing auto-retry and preventing multiple error notifications and trouble tickets.

Making Distributed Transaction (XA) related changes.

Enabling the global JNDI for the OC4J container for enabling local ESB to BPEL invocation.

Creating XREF Tables.

Before you perform the post-install configurations apply the following patches:

If you have only Comms Agent Assisted Billing Care PIP, then apply the patches #9249745 and #9223392.

If you have installed both Comms Order to Bill and Comms Agent Assisted Billing Care PIPs, then apply the patches #9496941, #9249745, #9223049 and #9223392.

Apply the latest roll-up patches for your PIPs located in My Oracle Support.

Suppressing auto-retry and preventing multiple error notifications and trouble tickets

To suppress auto-retry and prevent multiple error notifications and trouble tickets:

1. Stop **opmn** server.
2. Change the value of property **retry-count** in the `$ORACLE_HOME/j2ee/oc4j_instance_name/config/transaction-manager.xml` file from 4 to 0.

```
<commit-coordinator retry-count="4"> to <commit-coordinator retry-count="0">
```

3. Navigate to `$ORACLE_HOME/j2ee/oc4j_soa/application-deployments/esb-dt`

Take a backup of `orion-application.xml` and replace the following parameters in the file with the following values.

```
<property name="InboundRetryCount" value="0" />
<property name="InboundRetryInterval" value="0" />
<property name="InboundRetryEnabled" value="false" />
<property name="OutboundRetryCount" value="0" />
<property name="OutboundRetryInterval" value="0" />
<property name="OutboundRetryEnabled" value="false" />
```

4. Navigate to `$ORACLE_HOME/j2ee/oc4j_soa/application-deployments/esb-rt`

Take a backup of `orion-application.xml` and replace the following parameters in the file with the following values.

```
<property name="InboundRetryCount" value="0" />
<property name="InboundRetryInterval" value="0" />
<property name="InboundRetryEnabled" value="false" />
<property name="OutboundRetryCount" value="0" />
<property name="OutboundRetryInterval" value="0" />
<property name="OutboundRetryEnabled" value="false" />
```

5. Navigate to `$ORACLE_HOME/integration/esb/config`.

Take a backup of `esb_config.ini` and replace the following parameters in the file with the following values.

```
InboundRetryCount = 0
InboundRetryInterval = 0
InboundRetryEnabled = false
OutboundRetryCount = 0
OutboundRetryInterval = 0
OutboundRetryEnabled = false
```

6. Add the following properties in the `esb_config.ini` file.

```
#ESBSequencer
```

EnableResequencer = true

ResequencerWorkerThreadPoolSize = 5

ResequencerLockerThreadSleep = 1000

ResequencerMaxRowsRetrieved = 100

7. Start the **opmn** server.
8. Change auditLevel from *development* to *production* in **BPEL Console, Configurations** for better performance of the BPEL engine.
9. The property **dspMaxRequestDepth** in BPEL configurations page should be set to a higher value. For example *5000*.

Making Distributed Transaction (XA) Related Changes

1. Open <SOA_HOME>/j2ee/<oc4j_soa>/config/data-sources.xml.
2. Look for the entries **BPELPM_CONNECTION_POOL**, **ESBAQJMSPool**, **ESBPool** and **BRMConnectionPool**.
3. Change the factory-class from "oracle.jdbc.pool.OracleDataSource" to "oracle.jdbc.xa.client.OracleXADataSource".

The entries should look as below

```
<connection-pool name="BPELPM_CONNECTION_POOL">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="ESBAQJMSPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="ESBPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="BRMConnectionPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
```

4. Save and close the file.

- For each of the database user, used in various XA connection pools (those using factory class "oracle.jdbc.xa.client.OracleXADataSource"), grant select privileges on DBA_PENDING_TRANSACTIONS and execute privileges on the SYS.DBMS_SYSTEM package.

For example, for the user "jmsuser" used by out of the box AIA connection pools or the BRM Database user used by BRMConnectionPool, grant select privileges on DBA_PENDING_TRANSACTIONS and execute privileges on the SYS.DBMS_SYSTEM package.

```
SQL> GRANT SELECT ON DBA_PENDING_TRANSACTIONS TO jmsuser;
SQL> GRANT EXECUTE ON SYS.DBMS_SYSTEM TO jmsuser;
```

Enabling the Global JNDI for the OC4J Container for Enabling Local ESB to BPEL Invocation

To enable global JNDI for the OC4J container for enabling local ESB to BPEL invocation:

- Open \$SOA_HOME/j2ee/oc4j_soa/config/server.xml.
- Add global-jndi-lookup-enabled="true" as shown below.

```
<?xml version="1.0"?>
<application-server xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="http://xmlns.oracle.com/oracleas/sche
ma/application-server-10_1.xsd"
localhostIsAdmin="true"
application-directory="../applications"
check-for-updates="adminClientOnly"
deployment-directory="../application-deployments"
connector-directory="../connectors"
global-jndi-lookup-enabled="true"
schema-major-version="10" schema-minor-version="0" >
```

- Restart SOA server.

Creating XREF Tables

XREF tables do not get created when you install the PIP due to a security feature in 10.1.3.5. You need to manually create the XREF tables.

To create XREF tables:

- Login to the server using your FTP client .
- Navigate to \$AIA_HOME/PIPS/Industry/Communications/Setup/OrderToBill/Install
- Open file XrefInstall.xml.
 - Replace all the instances of string **OC4J_USERNAME** with **oc4j_username**.

- b.** Replace all the instances of string **OC4J_PASSWORD** with **oc4j_password**.
4. Run the ant command to execute the file (for example `ant -f XrefInstall.xml`).
5. Verify the installation using steps in the chapter.

Note: If Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP is installed on the SOA Suite instance where AIA 2.5IPS1 Comms Order to Activate: Siebel CRM - OSM PIP or AIA 2.5IPS1 Comms Order to Bill: Siebel CRM - BRM PIP exists, then check for CommunicationsCustomerPartyResponseEBSV2. If Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP fails in deploying CommunicationsCustomerPartyResponseEBSV2, apply the patch 9801431 and follow the instructions in README.

Read Siebel CRM Integration Pack for Oracle Communications BRM: Agent-Assisted Billing Care 2.5 - Implementation Guide to complete PIP implementation.

Also see Siebel CRM Integration Pack for Oracle Communications BRM: Order to Bill 2.5 - Implementation Guide for information related to customer management.

Chapter 25: Installing the Comms Order to Bill: Siebel CRM - BRM PIP

This chapter provides an overview of Comms Order to Bill: Siebel CRM - BRM PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for Comms Order to Bill: Siebel CRM – BRM PIP

Performing Pre-Installation Configurations

Installing Foundation Pack and Comms Order to Bill: Siebel CRM – BRM PIP

Performing Post-Installation Configurations

AIA Installer Interview for Comms Order to Bill: Siebel CRM - BRM PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Comms Order to Bill: Siebel CRM - BRM PIP. Collect the data required for and enter the details of Comms Order to Bill: Siebel CRM - BRM PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
<i>Siebel HTTP Hostname</i>	This is a machine name of the Siebel host. For example: <i>example1.corp.siebel.com</i> . To find the value, contact your administrator. Siebel HTTP Hostname is _____
<i>Siebel HTTP Port</i>	This value is the Siebel application port. For example: <i>80</i> . To find the value, contact your administrator. Siebel HTTP Port is _____
<i>Siebel EAI Application User</i>	The Siebel application user is used for making EAI web service calls. For example: <i>sadmin</i> . To find the value, contact your administrator. Siebel EAI Application User is _____
<i>Siebel EAI Application</i>	This is the password for the EAI user. For example: <i>sadmin</i> . To

Field	Description
Password	find the value, contact your administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server Name	To find this value, contact the administrator. Siebel Enterprise Server Name is _____
Siebel Version	Version of application, for example Siebel 8.1.1 SIA. Siebel version is _____

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. For example: server1.oracle.com . To find the value, contact your database administrator. Siebel Database Host is _____
Siebel Database Port	This is the Siebel database port. For example: 1521 . To find the value, contact your database administrator. Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____
Siebel Database Password	This is the Siebel Database Password. For example: ora07103 . To find the value, contact your database administrator. Siebel Database Password is _____
Siebel Database SID	This is the Siebel database system ID. For example: qa7a . To find the value, contact your database administrator. Siebel Database SID is _____

Oracle Communications BRM Screen

Use this screen to enter details related to your Oracle Communications BRM instance.

The screen contains the following fields:

Field	Description
Host Name	This is the host name of the primary Connection Manager (CM) of the BRM server. For example: example1.portal.com To find this value, contact your Oracle AQ system administrator.

Field	Description
	Host Name is _____
Port Number	This is the port number of primary Connection Manager (CM) of the BRM server. For example: 12600 . To find this value contact your Oracle AQ database administrator System Administrator Port Number is _____
Database Host Name	This is the database host name of the Oracle AQ for which the BRM DM_AQ is configured. For example: example2.portal.com . To find this value, contact your Oracle AQ database administrator Database Hostname is _____
Database Port	This is the database port number of the Oracle AQ. For example: 1521 . To find this value, contact your Oracle AQ database administrator. Database Port is _____
SID	This is the database instance of the Oracle AQ. For example: orcl . To find this value, contact your Oracle AQ database administrator. SID is _____
Username	This is the database username of the Oracle AQ. For example: portalUser . To find this value, contact your Oracle AQ database administrator.
Password	This is the database password of the Oracle AQ. To find this value, contact your Oracle AQ database administrator. Password is _____
AQ Queue Name	This is the queue name configured for the BRM DM_AQ. For example: AqportalUser . To find this value, contact your Oracle AQ database administrator. AQ Queue Name is _____

Performing Pre-installation Configurations

This section discussed the following pre-installation configurations for the Comms Order to Bill: Siebel CRM - BRM PIP.

Create tablespace in AIA database.

Configure Timeout values.

Add an attribute to opmn.xml file.

Create Tablespace in AIA Database

If you are installing this PIP on Microsoft Windows platform, ensure that "USERS" tablespace exists in the AIA database. You need to create one if you do not find one.

To create a tablespace with the name “USERS” in the AIA database run the oracle database **create tablespace** command.

Sample command to create the tablespace looks `create tablespace users datafile
'[your file name]' size [file size]`

For more details on creating tablespace refer to Oracle DBA guide.

Configuring the Timeout Values

To modify transaction-timeout values:

1. Navigate to `<soa_home>/j2ee/<oc4j instance name>/config/` and open `transaction-manager.xml`
2. Oracle recommends that you change the value to **1080** seconds or higher depending on your environment.
3. Navigate to `<soa_home>/j2ee/<oc4j instance name>/application-deployments/orabpel/ejb_ob_engine/` and open `orion-ejb-jar.xml`
4. Modify values for all occurrences of **transaction-timeout** parameter

Oracle recommends that you change the value to **910** seconds or higher depending on your environment.

5. Log in to the **BPEL Console**.
6. Click **Configuration**.
7. Change the value of **syncMaxWaitTime** to **720** seconds.
8. Navigate to `ORACLE_HOME/integration/esb/config` and open `esb_config.ini` file and set the parameter `xa_timeout` to **600** seconds.
9. Click **Apply**.

Note. This task requires that you have a functioning and configured Oracle Containers for J2EE instance.

Adding an Attribute to opmn.xml File

To add an attribute to opmn.xml file:

1. Open the `<soa_home>/opmn/conf/opmn.xml` file.
2. Search for
`<process-type id="oc4j_soa / name of the oc4j container" module-`

```
id="OC4J" status="enabled">
<module-data>
<category id="start-parameters">
<data id="java-options"
```

3. Add `-DHTTPClient.disableKeepAlives=true` attribute at the end of the `<data>` tag.

4. Add / modify the following parameters.

```
-mx2048M -ms1560M -XX:MaxPermSize=512M -XX:+UseLargePages
```

```
-XX:+AggressiveHeap -XX:MaxNewSize=1334M -XX:NewSize=1334M
```

Note: MaxNewSize should typically be 70% of the heap size.

5. Restart Oracle SOA Suite.

Installing Foundation Pack and Comms Order to Bill: Siebel CRM - BRM PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Comms Order to Bill: Siebel CRM - BRM PIP. Keep the completed worksheets of Foundation Pack and Comms Order to Bill: Siebel CRM - BRM PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Comms Order to Bill: Siebel CRM - BRM PIP to Install

To choose Comms Order to Bill: Siebel CRM - BRM PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Siebel CRM Integration Pack for Oracle Communications Billing and Revenue Management: Order to Bill** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM Server details:

1. Enter information about your Siebel CRM application in the **Application Details – Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM Database details:

1. Enter information about your Siebel CRM database in the **Siebel CRM Database Details** screen.

2. Click **Next**.

Specify Oracle Communications BRM Details

To specify Oracle Communications BRM details:

1. Enter Oracle Communications BRM information in the **Oracle Communications BRM** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post installation configuration for Comms Order to Bill: Siebel CRM - BRM PIP.

- ☐ Suppressing auto-retry and preventing multiple error notifications and trouble tickets.
- ☐ Making Distributed Transaction (XA) related changes.
- ☐ Updating internal ID for the BRM instance BRM_01.
- ☐ Enabling the global JNDI for the OC4J container for enabling local ESB to BPEL invocation.
- ☐ Creating XREF Tables.
- ☐ Changing "BRM_CAPS_USERNAME" token to actual username.
- ☐ Tasks if the Comms Order to Bill: Siebel CRM - BRM PIP is installed over existing AIA 2.5IPS1 Comms Order to Activate: Siebel CRM - OSM PIP installation.

Before you perform the post-install configurations apply the following patches:

- ☐ If you have installed only Comms Order to Bill PIP, then apply the patches #9496941, #9249745 and #9223049.
- ☐ If you have installed both Comms Order to Bill and Comms Agent Assisted Billing Care PIPs, then apply the patches #9496941, #9249745, #9223049 and #9223392.
- ☐ Apply the latest roll-up patches for your PIPs located in My Oracle Support.

Suppressing auto-retry and preventing multiple error notifications and trouble tickets

To suppress auto-retry and prevent multiple error notifications and trouble tickets:

1. Stop **opmn** server.
2. Change the value of property **retry-count** in the `$ORACLE_HOME/j2ee/{oc4j_instance_name}/config/transaction-manager.xml` file from 4 to 0.


```
<commit-coordinator retry-count="4"> to <commit-coordinator retry-count="0">
```
3. Navigate to `$ORACLE_HOME /j2ee/oc4j_soa/application-deployments/esb-dt`

Take a backup of `orion-application.xml` and replace the following parameters in the file with the following values.

```
<property name="InboundRetryCount" value="0" />
<property name="InboundRetryInterval" value="0" />
<property name="InboundRetryEnabled" value="false" />
<property name="OutboundRetryCount" value="0" />
<property name="OutboundRetryInterval" value="0" />
<property name="OutboundRetryEnabled" value="false" />
```

4. Navigate to \$ORACLE_HOME /j2ee/oc4j_soa/application-deployments/esb-rt

Take a backup of orion-application.xml and replace the following parameters in the file with the following values.

```
<property name="InboundRetryCount" value="0" />
<property name="InboundRetryInterval" value="0" />
<property name="InboundRetryEnabled" value="false" />
<property name="OutboundRetryCount" value="0" />
<property name="OutboundRetryInterval" value="0" />
<property name="OutboundRetryEnabled" value="false" />
```

5. Navigate to \$ORACLE_HOME/integration/esb/config.

Take a backup of esb_config.ini and replace the following parameters in the file with the following values.

```
InboundRetryCount = 0
InboundRetryInterval = 0
InboundRetryEnabled = false
OutboundRetryCount = 0
OutboundRetryInterval = 0
OutboundRetryEnabled = false
```

6. Add the following properties in the esb_config.ini file.

```
#ESBSequencer
```

```
EnableResequencer = true
```

```
ResequencerWorkerThreadPoolSize = 5
```

```
ResequencerLockerThreadSleep = 1000
```

```
ResequencerMaxRowsRetrieved = 100
```

7. Start the **opmn** server.

8. Change auditLevel from *development* to *production* in BPEL Console, Configurations for better performance of the BPEL engine.

9. The property **dspMaxRequestDepth** in BPEL configurations page should be set to a higher value. For example *5000*.

Making Distributed Transaction (XA) Related Changes

1. Open <SOA_HOME>/j2ee/oc4j_soa/config/data-sources.xml.

2. Look for the entries **BPELPM_CONNECTION_POOL**, **ESBAQJMSPool**, **ESBPool** and **BRMConnectionPool**.

3. Change the factory-class from "oracle.jdbc.pool.OracleDataSource" to "oracle.jdbc.xa.client.OracleXADataSource".

The entries should look as below

```
<connection-pool name="BPCLPM_CONNECTION_POOL">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="ESBAQJMSPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="ESBPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
<connection-pool name="BRMConnectionPool">
  <connection-factory factory-
class="oracle.jdbc.xa.client.OracleXADataSource" ..../>
  ...
</connection-pool>
```

4. Save and close the file.
5. For each of the database user, used in various XA connection pools (those using factory class "oracle.jdbc.xa.client.OracleXADataSource"), grant select privileges on DBA_PENDING_TRANSACTIONS and execute privileges on the SYS.DBMS_SYSTEM package.

For example, for the user "jmsuser" used by out of the box AIA connection pools or the BRM Database user used by BRMConnectionPool, grant select privileges on DBA_PENDING_TRANSACTIONS and execute privileges on the SYS.DBMS_SYSTEM package.

```
SQL> GRANT SELECT ON DBA_PENDING_TRANSACTIONS TO jmsuser;
SQL> GRANT EXECUTE ON SYS.DBMS_SYSTEM TO jmsuser;
```

Update Internal ID for the BRM instance BRM_01

To update the internal ID for the BRM instance BRM_01:

1. Find out the BRM instance ID that is specified in BRM Payload Configuration file.

Let's say it is "portal_01". This value comes as **brmproductabo:InstanceId** in the Product Event message from BRM.

For example

```
<SyncProductReqMsg>
```

```
@ <part xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
name="SyncProduct">
<brmproductabo:ProductInfoChange
@ xmlns:brmproductabo="http://www.portal.com/schemas/CRMSync"
brmproductabo:InstanceId="portal_01">
```

2. Go to **AIA Application Registry** in **AIA Application, Setup, System** and find the entry for System Code "BRM_01".
3. Update the Internal ID column to the Instance ID from BRM. For example portal_01.

Enabling the Global JNDI for the OC4J Container for Enabling Local ESB to BPEL Invocation

To enable global JNDI for the OC4J container for enabling local ESB to BPEL invocation:

1. Open \$SOA_HOME/j2ee/oc4j_soa/config/server.xml.
2. Add global-jndi-lookup-enabled="true" as shown below.

```
<?xml version="1.0"?>
<application-server xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="http://xmlns.oracle.com/oracleas/sche
ma/application-server-10_1.xsd"
localhostIsAdmin="true"
application-directory="../applications"
check-for-updates="adminClientOnly"
deployment-directory="../application-deployments"
connector-directory="../connectors"
global-jndi-lookup-enabled="true"
schema-major-version="10" schema-minor-version="0" >
```

3. Restart SOA server.

Creating XREF Tables

XREF tables do not get created when you install the PIP due to a security feature in 10.1.3.5. You need to manually create the XREF tables.

To create XREF tables:

1. Login to the server using your FTP client .
2. Navate to \$AIA_HOME/PIPS/Industry/Communications/Setup/OrderToBill/Install
3. Open file XrefInstall.xml.
 - a. Replace all the instances of string **OC4J_USERNAME** with **oc4j_username**.

- b. Replace all the instances of string **OC4J_PASSWORD** with **oc4j_password**.
4. Run the ant command to execute the file (for example `ant -f XrefInstall.xml`).
5. Verify the installation using steps in the chapter.

Changing “BRM_CAPS_USERNAME” token to actual username

To change “BRM_CAPS_USERNAME” token to your actual username:

1. Navigate to path: `<ORACLE_SOA_HOME>/integration/esb/oraesb/deploy` folder.
2. Copy the zip file **AQAdapterServices_SyncProductInfoChangeBRMAQ.zip** to a local location.
3. Unzip the copied zip file.
4. Open `PIN_EVENT_TY_To_ProductInfoChange.xml` file.
5. Change the value “BRM_CAPS_USERNAME” to your actual username.
For example, if PIN5 is your actual username, change from BRM_CAPS_USERNAME to PIN5
6. Save your changes.
7. Zip the files and copy back the zip file to `<ORACLE_SOA_HOME>/integration/esb/oraesb/deploy` folder
8. Navigate to `<ORACLE_SOA_HOME>/integration/esb/oraesb/artifacts/store/content/files/ESB_Projects/AQAdapterServices_SyncProductInfoChangeBRMAQ/PIN_EVENT_TY_To_ProductInfoChange.xml_1.0`
9. Perform steps 4 through 6.

Tasks if the Comms Order to Bill: Siebel CRM - BRM PIP is installed over existing AIA 2.5IPS1 Comms Order to Activate: Siebel CRM - OSM PIP installation

If Comms Order to Bill: Siebel CRM - BRM PIP is installed on the SOA Suite instance where 2.5IPS1 Comms Order to Activate: Siebel CRM - OSM PIP exists, then perform the following tasks:

1. If the Comms Order to Bill: Siebel CRM - BRM PIP installation fails to deploy `CommunicationsCustomerPartyResponseEBSV2` or `CommunicationsBillingResponseEBSV1`, apply the patch 9796221 and follow the instruction in the README.
2. After successful installation of Comms Order to Bill: Siebel CRM - BRM PIP, redeploy `CommunicationsBillingResponseEBSV1` by following these steps.
 - a. Navigate to `<AIA_HOME>/bin`
 - b. Run `. aiaenv.sh`

- c. Navigate to
<AIA_HOME>/PIPS/Industry/Communications/Setup/OrderToBill/EBS/Order/CommunicationsBillingResponseEBSV1
- d. Run `ant -f build.xml`

Read Siebel CRM Integration Pack for Oracle Communications BRM: Order to Bill 2.5 - Implementation Guide to complete PIP implementation.

Also see Siebel CRM Integration Pack for Oracle Communications BRM: Agent-Assisted Billing Care 2.5 - Implementation Guide.

Chapter 26: Installing the Comms Revenue Accounting: EBS - BRM PIP

This chapter provides an overview of Comms Revenue Accounting: EBS - BRM PIP screens in AIA Installer and includes the following sections:

Creating Oracle Data Integrator Repositories

AIA Installer Interview for the Comms Revenue Accounting: EBS – BRM PIP

Installing Foundation Pack and Comms Revenue Accounting: EBS – BRM PIP

Performing Post-Installation Configurations

Creating Oracle Data Integrator Repositories

Pre-requisite/Assumption: The Master Repository and the Work Repository are already created in ODI

You can use an existing master repository as long as it exists on an Oracle database. You need not create a new master repository.

You can use an existing work repository as long as it exists on an Oracle database and its ID is not 900. If its ID is 900, AIA advises you to create a new repository and do not use 900 as the Work Repository ID.

When you run AIA Installer, it inserts or updates the PIP artifacts into these repositories.

AIA recommends that you take a backup of master and work repositories before you start the install process.

For information about creating Oracle Data Integrator Master and Work repositories, see the Oracle Data Integrator Installation Guide, “Creating Repositories.”

AIA Installer Interview for Comms Revenue Accounting: EBS - BRM PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Comms Revenue Accounting: EBS - BRM PIP. Collect the data required for and enter the details of Comms Revenue Accounting: EBS - BRM PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business Suite Version	Examples: 11.5.10 or 12.1.1. E-Business Suite version is _____

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator.

Field	Description
	E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1 . Database Schema is _____
	Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Oracle Communications BRM Screen

Use this screen to enter details related to your Oracle Communications BRM instance.

The screen contains the following fields:

Field	Description
Host Name	This is the host name of the primary Connection Manager (CM) of the BRM server. For example: example1.portal.com To find this value, contact your Oracle AQ system administrator. Host Name is _____
Port Number	This is the port number of primary Connection Manager (CM) of the BRM server. For example: 12600 . To find this value contact your Oracle AQ database administrator System Administrator Port Number is _____
Database Host Name	This is the database host name of the Oracle AQ for which the BRM DM_AQ is configured. For example: example2.portal.com . To find this value, contact your Oracle AQ database administrator Database Hostname is _____
Database Port	This is the database port number of the Oracle AQ. For example: 1521 . To find this value, contact your Oracle AQ database administrator. Database Port is _____
SID	This is the database instance of the Oracle AQ. For example: orcl . To find this value, contact your Oracle AQ database administrator. SID is _____
Username	This is the database username of the Oracle AQ. For example: portalUser . To find this value, contact your Oracle AQ database administrator.

Field	Description
Password	This is the database password of the Oracle AQ. To find this value, contact your Oracle AQ database administrator. Password is _____
AQ Queue Name	This is the queue name configured for the BRM DM_AQ. For example: AqportalUser . To find this value, contact your Oracle AQ database administrator. AQ Queue Name is _____

Oracle Data Integrator Access Information Details Screens

Pre-requisite/Assumption: Master Repository and the Work Repository are already created in ODI,

Use these screens to enter details to access Oracle Data Integrator.

These screens contain the following fields:

Field	Description
ODI_HOME	Provide the path to the ODI_HOME up to the oracledi folder (included). To find this value, contact your administrator. Example: /slot/ems2467/abc/odi/oracledi for Linux and C\odi\oracledi" and for Windows. Path to Oracle Data Integrator is _____
ODI User	To find this value, contact your administrator. Example: SUPERVISOR . ODI User is _____
ODI Password	To find this value, contact your administrator. Example: SUNOPSIS ODI Password is _____
Path for exported DVMs	Enter the path of the directory to export Domain Value Mappings (DVM). DVM folder gets created along with Foundation Pack installation. If you have already installed Foundation Pack use \$AIA_HOME/PIPS/Industry/Communications/SeedData/DVM . If you are installing the PIP along with Foundation Pack for the first time, create a temporary folder for the DVMs. DVM will be exported to this location. If you want to change the path to reflect the above location, open deploy.properties file from <AIAHOME>/config post installation, search for odi.dvm.path and replace the temporary folder path with the above location. Path for exported DVMs is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository prior to installing the Comms Revenue Accounting: EBS - BRM PIP. This master repository must be created in an Oracle database.

The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: server1.oracle.com Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: 1521 Database Port Number is _____
Database Username	To find this value, contact your database administrator. Example: snpm Database Username is _____
Database Password	To find this value, contact your database administrator. Example: snpm Database Password is _____
Database SID	To find this value, contact your database administrator. Example: oracle Database SID is _____

Oracle Data Integrator Work Repository Details for Revenue Accounting Screen

The install process imports the Comms Revenue Accounting: EBS - BRM PIP ODI artifacts into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended that you use an empty repository.

Use this screen to enter details related to the ODI Work Repository. If the Master repository is already configured, field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: WORKER ODI Work Repository Name is _____
ODI Work Repository ID	Enter the ID number that you used for the ODI Work Repository. It should be between 1 and 899. Example: 420 Do not use 900. Also do not use the ID already used for other

Field	Description
	work repositories. ODI Work Repository ID is _____

Installing Foundation Pack and Comms Revenue Accounting: EBS - BRM PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Comms Revenue Accounting: EBS - BRM PIP. Keep the completed worksheets of Foundation Pack and Comms Revenue Accounting: EBS - BRM PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Comms Revenue Accounting: EBS - BRM PIP to Install

To choose Comms Revenue Accounting: EBS - BRM PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select Oracle Communications Billing and Revenue Management Integration Pack for Oracle E-Business Suite: Revenue Accounting PIP in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check section for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your E-Business Suite Database in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Oracle Communications BRM Details

To specify Oracle Communications BRM details:

1. Enter Oracle Communications BRM information in the **Oracle Communications BRM** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.
6. Specify the **Path for exported DVMs**.
7. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **Oracle Data Integrator Work Repository Details for Revenue Accounting** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending, In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

You need to create XREF tables manually after you install the Comms Revenue Accounting: EBS- BRM PIP.

Creating XREF Tables

XREF tables do not get created when you install the PIP due to a security feature in 10.1.3.5. You need to manually create the XREF tables.

To create XREF tables:

1. Login to the server using your FTP client .
2. Navate to \$AIA_HOME/PIPS/Industry/Communications/Setup/OrderToBill/Install
3. Open file XrefInstall.xml.
 - a. Replace all the instances of string **OC4J_USERNAME** with **oc4j_username**.

- b.** Replace all the instances of string **OC4J_PASSWORD** with **oc4j_password**.
4. Run the ant command to execute the file (for example `ant -f XrefInstall.xml`)
5. Verify the installation using steps in the chapter.

Read Oracle Communications BRM Integration Pack for Oracle E-Business Suite: Revenue Accounting 2.5 - Implementation Guide to complete PIP implementation.

Chapter 27: Installing the LSP Financial Mgmt: OTM - EBS PIP

This chapter provides an overview of LSP Financial Mgmt: OTM - EBS PIP screens in AIA Installer and includes the following sections:

Performing Pre-Installation Configurations

AIA Installer Interview for the LSP Financial Mgmt: OTM – EBS PIP

Installing Foundation Pack and LSP Financial Mgmt: OTM – EBS PIP

Performing Post-Installation Configurations

Performing Pre-installation Configurations

Before you install the LSP Financial Mgmt: OTM - EBS PIP, create tablespace in AIA database..

Create Tablespace in AIA Database

Before you install the LSP Financial Mgmt: OTM - EBS PIP, ensure that “USERS” tablespace exists in the AIA database. You need to create one if you do not find one.

To create a tablespace with the name “USERS” in the AIA database run the oracle database **create tablespace** command.

```
Sample command to create the tablespace looks create tablespace users datafile  
'[your file name]' size [file size]
```

For more details on creating tablespace refer to Oracle DBA guide.

AIA Installer Interview for the LSP Financial Mgmt: OTM - EBS PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and LSP Financial Mgmt: OTM - EBS PIP. Collect the data required for and enter the details of LSP Financial Mgmt: OTM - EBS PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business suite version	This is the version of the E-Business Suite Application. Valid value is 12.1.1 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl .

Field	Description
	E-Business Suite Database SID is _____
Database Schema	<p>To find this value, contact the database administrator. Example: server1.</p> <p>Database Schema is _____</p> <p>Note: All the database credentials are used for creating the connection pool URL and data source URLs.</p>

Oracle OTM Server Details Screen

Use this screen to enter details related to your OTM server instance.

The screen contains the following fields:

Field	Description
OTM Hostname	<p>This is the machine name of the OTM application. For example: example1.corp.oracle.com. To find the value, contact your administrator.</p> <p>OTM Hostname is _____</p>
OTM Http Port	<p>This value is the OTM Web Service port. For example: 8024. To find the value, contact your administrator.</p> <p>OTM Port is _____</p>
OTM User Name	<p>This is the username for OTM application. To find the value, contact your administrator.</p> <p>OTM Username is _____</p>
OTM Password	<p>This is the password for OTM application. For example: welcome. To find the value, contact your administrator.</p> <p>OTM Password is _____</p>
OTM System Name	<p>This is the system name for the OTM application. To find the value, contact your administrator.</p> <p>OTM System Name is _____</p>
OTM System Version	<p>This is the version of the OTM Application like 5.5,6.0.</p> <p>OTM System Version is _____</p>

Oracle OTM Database Details Screen

Use this screen to enter details related to your OTM database instance.

The screen contains the following fields:

Field	Description
-------	-------------

Field	Description
OTM Database Host	This value is typically the machine name. For example: example1.corp.oracle.com . To find the value, contact your database administrator. OTM Database Host is _____
OTM Database Port	This is the Database port for OTM application. For example: 8024 . To find the value, contact your database administrator. OTM Database Port is _____
OTM Database Username	This is the Database Username for OTM application. For example: apps . To find the value, contact your database administrator. OTM Database Username is _____
OTM Database Password	This is the password for Database Password user. For example: apps . To find the value, contact your database administrator. OTM Database Password is _____
OTM Database System ID (SID)	This is the Database SID for OTM application. For example: orcl . To find the value, contact your database administrator. OTM Database SID is _____

Installing Foundation Pack and LSP Financial Mgmt: OTM - EBS PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and LSP Financial Mgmt: OTM - EBS PIP. Keep the completed worksheets of Foundation Pack and LSP Financial Mgmt: OTM - EBS PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <code>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</code>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose LSP Financial Mgmt: OTM - EBS PIP to Install

To choose LSP Financial Mgmt: OTM - EBS PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Financial Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite PIP** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your E-Business Suite Database in the **E-Business Suite Database Details** screen.

2. Click **Next**.

Specify Oracle OTM Server Details

To specify Oracle OTM Server details:

1. Enter server information about Oracle OTM in the **Oracle OTM Server Details** screen.
2. Click **Next**.

Specify Oracle OTM Database Details

To specify Oracle OTM Database details:

1. Enter information about your Oracle OTM Database in the **Oracle OTM Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post installation configurations.

Performing Post-Installation Configurations

Apply the patch 12693856 (Patch FOR FLEET FINANCIAL PIP) and perform the following post installation configurations for the LSP Financial Mgmt: OTM - EBS PIP

Add an attribute to opmn.xml file

Configure Connection Factory

Password encryption

Adding an Attribute to opmn.xml File

To add an attribute to opmn.xml file:

1. Open the <soa_home>/opmn/conf/opmn.xml file.
2. Search for

```
<process-type id="oc4j_soa / name of the oc4j container" module-id="OC4J" status="enabled">
<module-data>
<category id="start-parameters">
<data id="java-options"
```
3. Add **-DHTTPClient.disableKeepAlives=true** attribute at the end of the <data> tag.
4. Restart Oracle SOA Suite.

Configuring Connection Factory

To configure Connection Factory:

1. Open <ORACLE_HOME>/j2ee/<OC4J_CONTAINER>/application-deployments/default/AppsAdapter/oc4j-ra.xml.
2. Add following property for connection factory = 'eis/Apps/EBizApps'

```
<config-property name="useDefaultConnectionManager" value="true"/>
```


Encrypting Password (Recommended – optional)

To encrypt a password:

1. Run the **aiaenv.sh** script located in the *\$AIA_HOME/bin directory*.
2. Verify that the script correctly sets the **AIA_HOME** and **ORACLE_HOME** environment variables.
3. Go to *\$AIAHOME/Infrastructure/install/wlscripts/config*.
4. Run the **encrypt.sh** file by giving the password as a parameter.

```
./encrypt.sh [password]
```

For example: **./encrypt.sh CHANGEME**

5. The encrypted password will be displayed on the screen. For example: **E+pllubui7YqnYt1uPZFjw==**
6. For all Services listed below, edit the **AIAConfigurationProperties.xml** file located in *AIA_HOME/config*.

SyncSupplierPartyListLogisticsProvABCImpl

SyncCustomerPartyListLogisticsProvABCImpl

SyncCurrencyExchangeListLogisticsProvABCImpl

MergeCustomerPartyListLogisticsProvABCImpl

7. Set the encrypted password.

```
<Property name="OTM_01.PASSWORD">E+pllubui7YqnYt1uPZFjw==</Property>
```

8. Set the **ISPASSWORDENCRYPTED** property to **True**.

```
<Property name="OTM_01.ISPASSWORDENCRYPTED">true</Property>
```

9. Reload the **AIAConfigurationProperties** file.
10. Verify the installation using steps in the chapter.

Read Oracle Financial Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 2.5 - Implementation Guide to complete PIP implementation

Chapter 28: Installing the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

This chapter provides an overview of LSP Order Mgmt: OTM - EBS - Siebel CRM PIP screens in AIA Installer and includes the following sections:

Performing Pre-Installation Configurations

AIA Installer Interview for the LSP Order Mgmt: OTM – EBS – Siebel CRM PIP

Installing Foundation Pack and LSP Order Mgmt: OTM – EBS – Siebel CRM PIP

Performing Post-Installation Configurations

Performing Pre-installation Configurations

Before you install the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP, create tablespace in AIA database..

Create Tablespace in AIA Database

Before you install the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP, ensure that “USERS” tablespace exists in the AIA database. You need to create one if you do not find one.

To create a tablespace with the name “USERS” in the AIA database run the oracle database **create tablespace** command.

```
Sample command to create the tablespace looks create tablespace users datafile  
'[your file name]' size [file size]
```

For more details on creating tablespace refer to Oracle DBA guide.

AIA Installer Interview for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP. Collect the data required for and enter the details of LSP Order Mgmt: OTM - EBS - Siebel CRM PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business suite version	This is the version of the E-Business Suite Application. Valid value is 12.1.1 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____

Field	Description
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1 . Database Schema is _____
	Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Siebel CRM Server Details Screen

Use this screen to enter details related to your Siebel CRM server instance.

The screen contains the following fields:

Field	Description
Siebel HTTP Hostname	This is a machine name of the Siebel host. For example: sdcp1953i054.corp.siebel.com . To find the value, contact your administrator. Siebel HTTP Hostname is _____
Siebel HTTP Port	This value is the Siebel application port. For example: 80 . To find the value, contact your administrator. Siebel HTTP Port is _____
Siebel EAI Application User	The Siebel application user is used for making EAI web service calls. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application User is _____
Siebel EAI Application Password	This is the password for the EAI user. For example: sadmin . To find the value, contact your administrator. Siebel EAI Application Password is _____
Siebel Enterprise Server Name	This is the Siebel server name. For example: rws602rems.us.oracle.com . To find the value, contact your administrator. Siebel Enterprise Server Name is _____
Siebel version	This is the version of the Siebel CRM Version. Valid value is 8.0.0.8 Other versions are not supported in the 2.5 release.

Siebel CRM Database Details Screen

Use this screen to enter details related to your Siebel CRM database instance.

The screen contains the following fields:

Field	Description
Siebel Database Host	This value is typically the machine name. For example: server1.oracle.com . To find the value, contact your database administrator. Siebel Database Host is _____
Siebel Database Port	This is the Siebel database port. For example: 1521 . To find the value, contact your database administrator. Siebel Database Port is _____
Siebel Database Username	Specifies a database user that has access to loading the EIM tables Siebel. To find this value, contact the database administrator. Example: ora12345 Siebel Database Username is _____
Siebel Database Password	This is the Siebel Database Password. For example: ora07103 . To find the value, contact your database administrator. Siebel Database Password is _____
Siebel Database SID	This is the Siebel database system ID. For example: qa7a . To find the value, contact your database administrator. Siebel Database SID is _____

Oracle OTM Server Details Screen

Use this screen to enter details related to your OTM server instance.

The screen contains the following fields:

Field	Description
OTM Hostname	This is the machine name of the OTM application. For example: example1.corp.oracle.com . To find the value, contact your administrator. OTM Hostname is _____
OTM Http Port	This value is the OTM Web Service port. For example: 8024 . To find the value, contact your administrator. OTM Port is _____
OTM User Name	This is the username for OTM application. To find the value, contact your administrator. OTM Username is _____
OTM Password	This is the password for OTM application. For example: welcome . To find the value, contact your administrator. OTM Password is _____
OTM System Name	This is the system name for the OTM application. To find the value, contact your administrator.

Field	Description
	OTM System Name is _____
OTM System Version	This is the version of the OTM Application like 5.5,6.0. OTM System Version is _____

Oracle OTM Database Details Screen

Use this screen to enter details related to your OTM database instance.

The screen contains the following fields:

Field	Description
OTM Database Host	This value is typically the machine name. For example: example1.corp.oracle.com . To find the value, contact your database administrator. OTM Database Host is _____
OTM Database Port	This is the Database port for OTM application. For example: 8024 . To find the value, contact your database administrator. OTM Database Port is _____
OTM Database Username	This is the Database Username for OTM application. For example: apps . To find the value, contact your database administrator. OTM Database Username is _____
OTM Database Password	This is the password for Database Password user. For example: apps . To find the value, contact your database administrator. OTM Database Password is _____
OTM Database System ID (SID)	This is the Database SID for OTM application. For example: orcl . To find the value, contact your database administrator. OTM Database SID is _____

Installing Foundation Pack and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP. Keep the completed worksheets of Foundation Pack and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose LSP Order Mgmt: OTM - EBS - Siebel CRM PIP to Install

To choose LSP Order Mgmt: OTM - EBS - Siebel CRM PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Order Management Integration Pack for Oracle Transportation Management, Oracle E-Business Suite, and Siebel CRM** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.

2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your E-Business Suite Database in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify Siebel CRM Server Details

To specify Siebel CRM Server details:

1. Enter information about your Siebel CRM application in the **Application Details – Siebel CRM** screen.
2. Click **Next**.

Specify Siebel CRM Database Details

To specify Siebel CRM Database details:

1. Enter information about your Siebel CRM database in the **Siebel CRM Database Details** screen.
2. Click **Next**.

Specify Oracle OTM Server Details

To specify Oracle OTM Server details:

1. Enter server information about Oracle OTM in the **Oracle OTM Server Details** screen.
2. Click **Next**.

Specify Oracle OTM Database Details

To specify Oracle OTM Database details:

1. Enter information about your Oracle OTM Database in the **Oracle OTM Database Details** screen.

2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post installation configurations.

Performing Post-Installation Configurations

This section discusses the following post installation configurations for LSP Order Mgmt: OTM - EBS - Siebel CRM PIP:

Add an attribute to opmn.xml file.

Configure Queue connection factory details for Siebel Consumer.

Password Encryption.

Adding an Attribute to opmn.xml File

To add an attribute to opmn.xml file:

1. Open the <soa_home>/opmn/conf/opmn.xml file.
2. Search for


```
<process-type id="oc4j_soa / name of the oc4j container" module-
id="OC4J" status="enabled">
  <module-data>
    <category id="start-parameters">
      <data id="java-options"
```
3. Add **-DHTTPClient.disableKeepAlives=true** attribute at the end of the <data> tag.
4. Restart Oracle SOA Suite.

Configuring Queue Connection Factory Details for Siebel Consumer

AIA Installer automatically creates JMS Queue when you install the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP. However, if it fails to create, you need to create JMS Queue.

Creating JMS Queue

To create JMS Queue:

1. Run the following sql commands
 - a. DROP USER jmsuser CASCADE;
 - b. GRANT connect,resource,AQ_ADMINISTRATOR_ROLE TO jmsuser
 - c. IDENTIFIED BY jmsuser;
 - d. GRANT execute ON sys.dbms_aqadm TO jmsuser;
 - e. GRANT execute ON sys.dbms_aq TO jmsuser;
 - f. GRANT execute ON sys.dbms_aqin TO jmsuser;
 - g. GRANT execute ON sys.dbms_aqjms TO jmsuser;
 - h. connect jmsuser/jmsuser;
2. Create the table that handles the OEMS JMS destination (queue).

Queues use a queue table. The following SQL example creates a single table, AIA_TESTJMSQTAB for a queue. The multiple_consumers parameter specifies whether there are multiple consumers. Set multiple_consumers to false for a queue.

```
Begin
DBMS_AQADM.CREATE_QUEUE_TABLE( Queue_table
```

```
=>'AIA_TESTJMSQTAB',Queue_payload_type =>'SYS.AQ$_JMS_MESSAGE',
sort_list => 'PRIORITY,ENQ_TIME', multiple_consumers=>false,
compatible =>'8.1.5');
End;
```

3. Create the JMS destination.

This SQL example creates a queue called AIA_TESTJMSQUEUE within the queue table AIA_TESTJMSQTAB.

```
Begin
DBMS_AQADM.CREATE_QUEUE(Queue_name =>'AIA_TESTJMSQUEUE', Queue_table
=>'AIA_TESTJMSQTAB');
End;
```

4. Start Queue.

```
Begin
sys.dbms_aqadm.start_queue(queue_name => 'AIA_TESTJMSQUEUE', enqueue
=> TRUE, dequeue => TRUE);
End;
```

Creating Connection Pool

To create a connection pool:

1. Logon to oc4j EM console and select the oc4j instance (example:oc4j_soa).
2. Go to **JDBC Resources**: <oc4j_soa>/Administration tab/JDBC Resources.
3. Click **Create** under **Connection Pools**.
4. Click **Continue** in **Create Connection Pool** screen.
5. Enter the following in **Create Connection Pool** screen.

Name: **AIA_JMS_CONNECTIONPOOL**

JDBC URL:

***jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS_LIST=(LOAD_BALANCE=on)(ADDRESS=(P
ROTOCOL=tcp)(HOST=<DBHost>)(PORT=<DB
Port>)))(CONNECT_DATA=(SERVICE_NAME=<SID>)))***

Username: **jmsuser**

Password: **jmsuser**

Click **Finish**.

Creating Data Source

To create a data source:

1. Go to **JDBC Resources**: <oc4j_soa>/Administration tab/JDBC Resources.

2. Click **Create** under **Data Sources**.
3. Click **Continue** in **Create Data Source - Application & Type** screen.
4. Enter the following in **Create Data Source – Managed Data Source** screen.

Name: **AIA_JMS_DS**

JNDI Location: **Jdbc/AIA_JMS_DS**

Select the connection pool **AIA_JMS_CONNECTIONPOOL**.

Click **Finish**.

Creating OJMS Resource Provider (OEMS with database)

To create OJMS resource provider:

1. Go to **Database Persistence**: <oc4j_soa>/Administration tab/Database Persistence.
2. Click **Deploy**.
3. Enter **AIA_JMS_RA** in **Resource Adapter Module Name** field.
4. Select **Add** a new resource provider to be used by this connector and enter **AIA_JMS_RP** in **Resource Provider Name** field.
5. Select **Jdbc/AIA_JMS_DS** from **Datasource JNDI Location** list.
6. Click **OK**.
7. Restart the server from telnet console.

Creating Connection Factory for Resource Adapter

To create connection factory for resource adapter:

1. Go to **Database Persistence**: <oc4j_soa>/Administration tab/Database Persistence.
2. Click the **OJMS** resource adapter **AIA_JMS_RA**.
3. Navigate to **Connection Factories** and click **Create**.
4. Select **javax.jms.QueueConnectionFactory** from the **Connection Factory Interface** list.
5. Click **Continue**.
6. Enter **AIA_JMS_RA/MyQCF** as **JNDI Location**.
7. Click **Finish**.

Creating Administered Object for Resource Adapter

To create administered object for resource adapter:

1. Go to **Database Persistence**: <oc4j_soa>/Administration tab/Database Persistence
2. Navigate to **Administered Objects** and click **Create**.
3. Select **oracle.j2ee.ra.jms.generic.AdminObjectQueueImpl** from the **Object Class** list.
4. Click **Continue**.
5. Enter **AIA_JMS_RA/Admin** as **JNDI Location**.
6. Click **Finish**.

Verifying Resource Adapter Configuration

To verify resource adapter configuration:

1. Navigate to <OracleAS_HOME>/j2ee/<oc4j_soa >/config and open application.xml.
2. Check for the following values.


```
<resource-provider name="AIA_JMS_RP" class="oracle.jms.OjmsContext">
  <description />
  <property name="datasource" value="Jdbc/AIA_JMS_DS" />
</resource-provider>
```
3. Restart the server from the telnet console.

Checking application.xml

To check application.xml:

1. Open the <OracleAS_HOME>/j2ee/< oc4j_soa >/config/system-jazn-data.xml file.
2. Remove the attribute **deactivated = true** for the element user which has <name>anonymous</name>
3. Search for the string "users role for rmi/ejb access".

```
<role>
  <name>users</name>
  <display-name>users</display-name>
  <description>users role for rmi/ejb access</description>
  <members>
  </members>
</role>
```

Add a new member under this tag

```
<member>
```

```

    <type>user</type>
    <name>anonymous</name>
  </member>

```

4. Add the users role/group to the **application.xml** access control group.

```

<namespace-access>
  <Read-access>
    <namespace-resource root="">
      <security-role-mapping>
        <group name="oc4j-administrators" />
        <group name="ascontrol_admin" />
        <group name="users" />
      </security-role-mapping>
    </namespace-resource>
  </Read-access>
  <write-access>
    <namespace-resource root="">
      <security-role-mapping name="&lt;jndi-user-role&gt;">
        <group name="oc4j-administrators" />
        <group name="ascontrol_admin" />
        <group name="users" />
      </security-role-mapping>
    </namespace-resource>
  </write-access>
</namespace-access>

```

5. Restart the server from the telnet console.

Note: Please disable/de-activate the anonymous user after checking connectivity. AIA does not recommend the anonymous users with no password to access the SOA resources.

6. Siebel requires the following details to connect to the FMW server.

FMW server name

OPMN port

SendUsername = anonymous

ConnectionFactory = java:comp/resource/AIA_JMS_RP/QueueConnectionFactories/QCF

Product Queue:

SendQueue = java:comp/resource/AIA_JMS_RP/Queues/AIA_ITEMJMSQUEUE

Location Queue:

Send Queue = java:comp/resource/AIA_JMS_RP/Queues/AIA_TRANSPORTSTOPJMSQUE

Order Queue:

Send Queue = java:comp/resource/AIA_JMS_RP/Queues/AIA_TRANS_SALESORDJMSQ

Send this information to your Siebel team to configure the Queue Flows.

Encrypting Password (Recommended – optional)

To encrypt a password:

1. Run the **aiaenv.sh** script located in the **\$AIA_HOME/bin** directory.
2. Verify that the script correctly sets the **AIA_HOME** and **ORACLE_HOME** environment variables.
3. Go to **\$AIAHOME/Infrastructure/install/wlscripts/config**.
4. Run the **encrypt.sh** file by giving the password as a parameter.

```
./encrypt.sh [password]
```

For example: **./encrypt.sh CHANGEME**

5. The encrypted password will be displayed on the screen. For example: **E+pllubui7YqnYt1uPZFjw==**
6. For all Services listed below, edit the **AIAConfigurationProperties.xml** file located in **AIA_HOME/config**.

SyncTransportationStopListLogisticsProvABCImpl

SyncTransportationSalesOrderListLogisticsProvABCImpl

SyncItemListLogisticsProvABCImpl

SyncCustomerPartyListLogisticsProvABCImpl

QueryTransportationSalesOrderItineraryListLogisticsProvABCImpl

7. Set the encrypted password.

```
<Property name="OTM_01.PASSWORD">E+pllubui7YqnYt1uPZFjw==</Property>
```

8. Set the **ISPASSWORDENCRYPTED** property to **True**.

```
<Property name="OTM_01.ISPASSWORDENCRYPTED">true</Property>
```

9. Reload the **AIAConfigurationProperties** file.
10. Verify the installation using steps in the chapter.

Read Oracle Order Management Integration Pack for Oracle Transportation Management, Oracle E-Business Suite, and Siebel CRM 2.5 - Implementation Guide to complete PIP implementation.

Chapter 29: Installing the LSP Driver Mgmt: OTM - EBS PIP

This chapter provides an overview of LSP Driver Mgmt: OTM - EBS PIP screens in AIA Installer and includes the following sections:

Performing Pre-Installation Configurations

AIA Installer Interview for the LSP Driver Mgmt: OTM – EBS PIP

Installing Foundation Pack and LSP Driver Mgmt: OTM – EBS PIP

Performing Post-Installation Configurations

Performing Pre-installation Configurations

Before you install the LSP Driver Mgmt: OTM - EBS PIP, create tablespace in AIA database..

Create Tablespace in AIA Database

Before you install the LSP Driver Mgmt: OTM - EBS PIP, ensure that “USERS” tablespace exists in the AIA database. You need to create one if you do not find one.

To create a tablespace with the name “USERS” in the AIA database run the oracle database **create tablespace** command.

```
Sample command to create the tablespace looks create tablespace users datafile  
'[your file name]' size [file size]
```

For more details on creating tablespace refer to Oracle DBA guide.

AIA Installer Interview for the LSP Driver Mgmt: OTM - EBS PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and LSP Driver Mgmt: OTM - EBS PIP. Collect the data required for and enter the details of LSP Driver Mgmt: OTM - EBS PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator. Workflow Business Event System Name is _____
E-Business suite version	This is the version of the E-Business Suite Application. Valid value is 12.1.1 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database Username	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl .

Field	Description
	E-Business Suite Database SID is _____
Database Schema	<p>To find this value, contact the database administrator. Example: server1.</p> <p>Database Schema is _____</p> <p>Note: All the database credentials are used for creating the connection pool URL and data source URLs.</p>

Oracle OTM Server Details Screen

Use this screen to enter details related to your OTM server instance.

The screen contains the following fields:

Field	Description
OTM Hostname	<p>This is the machine name of the OTM application. For example: example1.corp.oracle.com. To find the value, contact your administrator.</p> <p>OTM Hostname is _____</p>
OTM Http Port	<p>This value is the OTM Web Service port. For example: 8024. To find the value, contact your administrator.</p> <p>OTM Port is _____</p>
OTM User Name	<p>This is the username for OTM application. To find the value, contact your administrator.</p> <p>OTM Username is _____</p>
OTM Password	<p>This is the password for OTM application. For example: welcome. To find the value, contact your administrator.</p> <p>OTM Password is _____</p>
OTM System Name	<p>This is the system name for the OTM application. To find the value, contact your administrator.</p> <p>OTM System Name is _____</p>
OTM System Version	<p>This is the version of the OTM Application like 5.5,6.0.</p> <p>OTM System Version is _____</p>

Oracle OTM Database Details Screen

Use this screen to enter details related to your OTM database instance.

The screen contains the following fields:

Field	Description
-------	-------------

Field	Description
OTM Database Host	This value is typically the machine name. For example: example1.corp.oracle.com . To find the value, contact your database administrator. OTM Database Host is _____
OTM Database Port	This is the Database port for OTM application. For example: 8024 . To find the value, contact your database administrator. OTM Database Port is _____
OTM Database Username	This is the Database Username for OTM application. For example: apps . To find the value, contact your database administrator. OTM Database Username is _____
OTM Database Password	This is the password for Database Password user. For example: apps . To find the value, contact your database administrator. OTM Database Password is _____
OTM Database System ID (SID)	This is the Database SID for OTM application. For example: orcl . To find the value, contact your database administrator. OTM Database SID is _____

Installing Foundation Pack and LSP Driver Mgmt: OTM - EBS PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and LSP Driver Mgmt: OTM - EBS PIP. Keep the completed worksheets of Foundation Pack and LSP Driver Mgmt: OTM - EBS PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose LSP Driver Mgmt: OTM - EBS PIP to Install

To choose LSP Driver Mgmt: OTM - EBS PIP to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to the chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your E-Business Suite Server in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your E-Business Suite Database in the **E-Business Suite Database Details** screen.

2. Click **Next**.

Specify Oracle OTM Server Details

To specify Oracle OTM Server details:

1. Enter server information about Oracle OTM in the **Oracle OTM Server Details** screen.
2. Click **Next**.

Specify Oracle OTM Database Details

To specify Oracle OTM Database details:

1. Enter information about your Oracle OTM Database in the **Oracle OTM Database Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post installation configurations.

Performing Post-Installation Configurations

Apply the patches 12974513 (ROLL UP PATCH 2 FOR Fleet Management DRIVER PIP) and then perform the following post installation configurations.

Adding an Attribute to opmn.xml File

To add an attribute to opmn.xml file:

1. Open the <soa_home>/opmn/conf/opmn.xml file.
2. Search for


```
<process-type id="oc4j_soa / name of the oc4j container" module-id="OC4J" status="enabled">
<module-data>
<category id="start-parameters">
<data id="java-options"
```
3. Add **-DHTTPClient.disableKeepAlives=true** attribute at the end of the <data> tag.
4. Restart Oracle SOA Suite.

Configuring Time Zone Property

To configure time zone property:

1. Open <AIA_HOME>/config/AIAConfigurationProperties.xml
2. Navigate to property EBIZ_01.SERVER_TIMEZONE under the module 'Ebiz'
3. Set it to appropriate value, for example PST or IST etc.

Possible values:

PST, IST etc. (OR)

-07:00, +05:30 etc.

4. Reload from the AIA page (<http://< server name >: < port number >/AIA>).

Add Routing Rule for PayableInvoiceResponseEBS

To add a routing rule:

1. Login to the **ESB Console**.
2. Choose **PayableInvoiceResponseEBS** under **AIASystem, EBS**.
3. Choose **Routing Rules** tab for the **PayableInvoiceResponseEBS**. For the operation **PayableInvoiceResponseEBS::CalculateDriverIncentiveCompensationListResponse**, add the following routing rule.

Choose the following as the target Operation:

```
BPELSystem->default->
CalculateDriverIncentiveCompensationListLogisticsReqABCSImpl-
>CalculateDriverIncentiveCompensationListLogisticsReqABCSImpl_1_0->
CalculateDriverIncentiveCompensationListResponse
```

Encrypting Password (Recommended – optional)

To encrypt a password:

1. Run the **aiaenv.sh** script located in the **\$AIA_HOME/bin** directory.
2. Verify that the script correctly sets the **AIA_HOME** and **ORACLE_HOME** environment variables.
3. Go to **\$AIAHOME/Infrastructure/install/wlscripts/config**.
4. Run the **encrypt.sh** file by giving the password as a parameter.

```
./encrypt.sh [password]
```

For example: **./encrypt.sh CHANGEME**

5. The encrypted password will be displayed on the screen. For example: **E+pllubui7YqnYt1uPZFjw==**
6. For all Services listed below, edit the **AIAConfigurationProperties.xml** file located in **AIA_HOME/config**.

SyncLocationListLogisticsProvABCSImpl

SyncResourceCalendarEntryListLogisticsProvABCSImpl

SyncWorkerListLogisticsProvABCSImpl

CalculateDriverIncentiveCompensationListLogisticsReqABCSImpl

7. Set the encrypted password.

```
<Property name="OTM_01.PASSWORD">E+pllubui7YqnYt1uPZFjw==</Property>
```

8. Set the **ISPASSWORDENCRYPTED** property to **True**.

```
<Property name="OTM_01.ISPASSWORDENCRYPTED">true</Property>
```

9. Reload the **AIConfigurationProperties** file.

Enabling the Global JNDI for the OC4J Container for Enabling Local ESB to BPEL Invocation

To enable global JNDI for the OC4J container for enabling local ESB to BPEL invocation:

1. Open `$SOA_HOME/j2ee/<oc4jinstancename>/config/server.xml`.
2. Add **global-jndi-lookup-enabled="true"** as shown below.

```
<?xml version="1.0"?>
<application-server xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="http://xmlns.oracle.com/oracleas/sche
ma/application-server-10_1.xsd"
localhostIsAdmin="true"
application-directory="../applications"
check-for-updates="adminClientOnly"
deployment-directory="../application-deployments"
connector-directory="../connectors"
global-jndi-lookup-enabled="true"
schema-major-version="10" schema-minor-version="0" >
```

3. Restart SOA server.
4. Verify the installation using steps in the chapter.

Read Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 2.5 - Implementation Guide to complete PIP implementation.

Chapter 30: Installing the Demantra Sales and Ops Planning Integration for Hyperion Planning

This chapter includes the following sections:

Performing Pre-Installation Configurations

AIA Installer Interview for the Demantra Sales and Ops Planning Integration for Hyperion Planning

Installing Demantra Sales and Ops Planning Integration for Hyperion Planning

Performing Post-Installation Configurations

Performing Pre-Installation Configurations

The following must be configured before installing Demantra Sales and Ops Planning Integration for Hyperion Planning:

Item	Details
Database Schemas	Create the following database schemas: Database schema must be available for the ODI master repository. Grant this schema appropriate permissions and privileges. If you want a separate work repository for S&OP-Hyperion Integration, create a second database schema for this purpose. Grant this schema appropriate permissions and privileges.
Environment variables	Set the %JAVA_HOME% to point to your JDK 1.5 installation directory. For example, %JAVA_HOME%=D:\Java\jdk1.5.0_09. The path to JAVA_HOME should not contain whitespaces. For e.g., the path should not be like "C:\Program Files\Java\jdk".
ODI Repositories	Create a master repository and connect it to the database schema. Create a work repository and connect it to the database schema.

AIA Installer Interview for Demantra Sales and Ops Planning Integration for Hyperion Planning

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Demantra Sales and Ops Planning Integration for Hyperion Planning. Collect the data required for and enter the details of Demantra Sales and Ops Planning Integration for Hyperion Planning screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Note: The Demantra Sales and Ops Planning Integration for Hyperion Planning is a direct integration and does not require Foundation Pack. It can be installed with Foundation Pack to benefit from features such as enhanced error handling within Foundation Pack.

Demantra Database Connection Details Screen

Use this screen to enter details related to your Demantra Database Connection instance.

The screen contains the following fields:

Field	Description
<i>Demantra Database Host</i>	This value is the host machine that runs the Demantra Database . For example: 10.177.219.97 . To find this value, contact the database administrator. Demantra Server is _____
<i>Demantra Database Port</i>	This value is the Demantra database port. For example: 1521 . To find this value, contact the database administrator. Demantra Database Port is _____
<i>Demantra Database Username</i>	To find this value, contact your administrator. For example: dmtra_template . Demantra Database Username is _____
<i>Demantra Database Password</i>	To find this value, contact your administrator. Demantra Database Password is _____
<i>Demantra Database SID</i>	For example: orcl . To find this value, contact the database administrator. Demantra Database SID is _____

Hyperion Essbase Connection Details Screen

Use this screen to enter details related to your Hyperion Essbase Connection instance.

The screen contains the following fields:

Field	Description
<i>Essbase Server Host</i>	This value is typically the machine name. For example:

Field	Description
	10.177.219.230. To find this value contact the database administrator. Essbase Server Host is _____
Essbase Server Port	To find this value, contact the database administrator. Example: 1423. Essbase Server Port is _____
Essbase Username	To find this value, contact the database administrator. Example: admin. Essbase Username is _____
Essbase Password	To find this value, contact the database administrator. Essbase Password is _____
Essbase Application Name	This is the Essbase Application Name. For example: dmplan1. To find this value contact the database administrator. Essbase Application Name is _____
Essbase Database Name	This is the Essbase database associated with the application. For example: plan1. To find this value contact the database administrator. Essbase Database Name is _____

Note: User should make sure that valid details are entered for Hyperion ESSBASE as the installer does not validate the user input.

Oracle Data Integrator Access Details Screen

Use this screen to enter details to access Oracle Data Integrator.

The screen contains the following fields:

Field	Description
ODI Home	Provide the path to the ODI HOME. To find this value, contact your administrator. Example: D:\ODIHOME\oracledi. Path to Oracle Data Integrator is _____
ODI User	To find this value, contact your administrator. Example: SUPERVISOR. ODI User is _____
ODI Password	To find this value, contact your administrator. Example: SUNOPSIS ODI Password is _____

Field	Description
Path to JDK	To find this value, contact your administrator. Example: <i>/slot/abc/product/10.1.3.1/OracleAS_1/jdk for Linux and c:\product\10.1.3.1\OracleAS_1\jdk for Windows.</i> Path to JDK is _____ Note: Ensure the path does not contain any whitespaces.

Oracle Data Integrator Path for Exported DVMs Details (Not Applicable)

Field	Description
Path for Exported DVMs	Enter the path to directory to export Domain Value Mappings (DVM). Path for Exported DVM is _____

Oracle Data Integrator Master Repository Details Screen

You must set up an ODI Master Repository prior to installing the Demantra Sales and Ops Planning Integration for Hyperion Planning. This master repository must be created in an Oracle database.

The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository.

The screen contains the following fields:

Field	Description
Database Host Name	To find this value, contact your database administrator. Example: <i>localhost</i> Database Host Name is _____
Database Port Number	To find this value, contact your database administrator. Example: <i>1521</i> Database Port Number is _____
Database Username	To find this value, contact your database administrator. Example: <i>master</i> . This field is also known as the Master Repository Schema Name. Database Username is _____
Database Password	To find this value, contact your database administrator. Example: <i>welcome1</i> Database Password is _____
Database SID	To find this value, contact your database administrator. Example: <i>Demantra</i>

Field	Description
	Database SID is _____

Oracle Data Integrator Work Repository Details Screen

The install process imports the Demantra Sales and Ops Planning Integration for Hyperion Planning into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended that you use an empty repository.

Use this screen to enter details related to the ODI Work Repository.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you gave to the ODI Work Repository for PIP Artifacts. Example: WORK (<i>case sensitive</i>) ODI Work Repository Name is _____
ODI Work Repository ID	Enter the ID that you used for the ODI Work Repository. It should be between 1 and 899. Example: 300 Do not use 900. Also do not use the ID already used for other work repositories ODI Work Repository ID is _____
ODI Work Repository Database Host	To find this value, contact your database administrator. Example: localhost Database Host Name is _____
ODI Work Repository Database Port	To find this value, contact your database administrator. Example: 1521 Database Port Number is _____
ODI Work Repository Database Username	To find this value, contact your database administrator. Example: master . This field is also known as the Work Repository Schema Name. Database Username is _____
ODI Work Repository Database Password	To find this value, contact your database administrator. Example: welcome1 Database Password is _____
ODI Work Repository Database SID	To find this value, contact your database administrator. Example: XE Database SID is _____

Installing Demantra Sales and Ops Planning Integration for Hyperion Planning

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation Demantra Sales and Ops Planning Integration for Hyperion Planning. Keep the completed worksheet of screens ready before you launch the Installer.

Note: The Demantra Sales and Ops Planning Integration for Hyperion Planning is a direct integration and does not require Foundation Pack. It can be installed with Foundation Pack to benefit from features such as enhanced error handling within Foundation Pack.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre> <p>Note: Replace <SOA_HOME> to the suitable location/variable containing oraInst.loc file if Foundation Pack is not installed.</p>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Demantra Sales and Ops Planning Integration for Hyperion Planning to Install

To choose Demantra Sales and Ops Planning Integration for Hyperion Planning to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.
2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Select **Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning in Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

4. Click **Next**.

Specify Demantra Database Connection Details

To specify Demantra Database Connection details:

1. Enter information about your Demantra Database Connection in the **Application Details Demantra** screen.
2. Click **Next**.

Specify Hyperion Essbase Connection Details

To specify Hyperion Essbase Connection details:

1. Enter information about your Hyperion Essbase Connection instance in the **Application Details – Hyperion Essbase** screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in three screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Click **Next**.

Oracle Data Integrator Path for Exported DVMs Details

Path for Exported DVMs Details is not applicable for Demantra Sales and Ops Planning Integration for Hyperion Planning.

1. Click **Next**.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **ODI Work Repository for Demantra Hyperion Integration** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite, if Foundation Pack is installed.
7. Perform post installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Demantra Sales and Ops Planning Integration for Hyperion Planning.

Configure Environment Variables

Launch Demantra Sales and Ops Planning Integration for Hyperion Planning Agent

Stop Demantra Sales and Ops Planning Integration for Hyperion Planning Agent

Configure ODI Variables

Configure ODIACCESS.properties File

Change Log Level

Enable AIA Error Handling Framework

Configuring Environment Variables

The following environment variables must be configured:

Environment Variable	Description
ODI_BIN_DIR	The location of the ODI program. Recommended: <ODIHOME>/oracledi/bin
DMTRA_HYP_HOME	The location of the Demantra Sales and Ops Planning Integration for Hyperion Planning PIP. Example: <AIA_HOME>/PIPS/Core/DIS/DemantraHyperion

Launching Demantra Sales and Ops Planning Integration for Hyperion Planning Agent

The Demantra Sales and Ops Planning Integration for Hyperion Planning agent should be up and running before executing any scenario from ODI, Demantra worksheet, or Demantra workflow.

To start the Demantra Sales and Ops Planning Integration for Hyperion Planning agent:

1. From the <AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\agent directory, run the start_odi_agent.bat file (or start_odi_agent.sh in Linux). The agent is launched as a listener.

Note: User must ensure that the executable permission is enabled on all the shell scripts.

Stopping Demantra Sales and Ops Planning Integration for Hyperion Planning Agent

When not using integration, you can stop the Demantra Sales and Ops Planning Integration for Hyperion Planning agent.

To stop the Demantra Sales and Ops Planning Integration for Hyperion Planning agent:

1. From the <AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\agent\ directory, run the stop_odi_agent.bat file (or stop_odi_agent.sh in Linux).

Configuring ODI Variables

A number of variables must be set in ODI to support the Demantra Sales and Ops Planning Integration for Hyperion Planning. Many variables get configured when you install the Demantra Sales and Ops Planning Integration for Hyperion Planning. The remaining variables should be configured using the ODI Designer. After the variables are defined in the ODI Designer, run the Regenerate All Scenarios package to reconfigure the main integration packages.

The following variables must be configured in the ODI Designer:

ODI Variable	Description
PVV_EMAIL_SERVER	Host or IP address of the mail server.

ODI Variable	Description
PVV_EMAIL_FROM	Email address for notification result queries.
PVV_EMAIL_TO	Email addresses for people to be notified of integration results. Separate multiple email addresses with a comma.
PVV_DMTRA_BASE_TIME	Base time unit in Demantra (month/week/day). Default value is Week.
PVV_DMTRA_START_DAY	Start day of the week in Demantra. This variable is valid only if the base time unit in Demantra is week. Default value is Monday.
PVV_HYP_BASE_TIME	Base time unit in Hyperion (quarter/month). Default value is Quarter.
PVV_HYP_FISCAL_YEAR	Definition of the Hyperion fiscal year. Values: cal: If the Hyperion fiscal year and the calendar year are the same. cal+1: if the Hyperion fiscal year and the calendar year are not the same. This is the default value.
PVV_HYP_START_MONTH	Starting month of the Hyperion fiscal year defined by the first 3 letters of the month. Default value is Jun.
PVV_PIP_HOME	Home directory of the PIP. Default value is <AIA_HOME>/PIPS/Core/DIS/DemantraHyperion

All the ODI scenarios must be regenerated if any variable value is changed. To regenerate the ODI scenarios, execute the following command:

```
<AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\maintenance\regenerate_all_scenarios.bat (or regenerate_all_scenarios.sh for Linux)
```

Alternatively, you can regenerate all scenarios in ODI.

Configuring ODIACCESS.properties File

The installer imports master repository and work repository contents into the ODI environment. The installer places the odi-demantra.jar file in the <AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\java directory.

odi-demantra.jar contains ODIACCESS.properties and required java code that must be deployed on the Demantra server. The ODIACCESS.properties file contains the following properties:

Property	Description
ODIUSER	Username of the ODI tool. Default value is SUPERVISOR.
ODIPASSWORD	Encrypted password of the ODI tool. Default value is SUNOPSIS.
JDBCURL	JDBC URL of the Master Repository.

Property	Description
JDBCUSER	Master Repository Schema Name
JDBCPASSWORD	Encrypted password for the Master Repository.
SCENVERSION	Version of the scenario. Default value is 001.
WORKREPCODE	Work Repository name defined in ODI Topology Manager's Repositories view.
HOSTNAME	IP address of the machine running ODI Agent.
PORT	Port number ODI Agent uses to listen for requests.

Ensure that the JAVA_HOME environment variable is set before modifying the ODIACCESS.properties file.

To modify the ODIACCESS.properties file:

1. Unjar the **odi-demantra.jar** file.
2. In the extracted folder structure, update the **ODIACCESS.properties** file under \com\demantra\hyperion subdirectory.
3. Run the following batch file to encode the password:

Windows platform:

```
<AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\java\encode.bat <password>
```

Linux platform:

```
<AIA_HOME>/PIPS/Core/DIS/DemantraHyperion/java/encode.sh <password>
```

Example: In a command console, change directory to <AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\java directory, and run encode script for the password to encrypt such as:

```
encode SUNOPSIS
```

This returns an encrypted password like RAVkBx6+Xh4=gEaklCXElgs=. Copy this string and paste it in the ODIACCESS.properties file for ODIPASSWORD. Repeat this step to encrypt the JDBCPASSWORD property.

4. Rerun the **odi-demantra.jar** file with the modified **ODIACCESS.properties** file.
 Note: In a command console, go to the directory that contains com and oracle directories and run the following command.

```
jar -cvf odi-demantra.jar com oracle
```
5. Place **odi-demantra.jar** file on the Demantra server in the WEB-INF\lib directory within Demantra Home. For example In Tomcat Server, <DEMANTRA_HOME>\Collaborator\demantra\WEB-INF\lib is the path to place the jar file. For other Application Servers, please refer to the Demantra documentation to identify the exact location.

- Restart the **Demantra** server.

Changing Log Level

You can modify the level of details displayed in the ODI error log.

To change the log level:

- Edit the following file:
`<AIA_HOME>\PIPS\Core\DIS\DemantraHyperion\agent\start_odi_agent.bat`
- Modify the log level field where 1 is low level of detail and 5 is high. The default is "-v=5".
- Verify the installation using steps in the chapter.

Note: If the integration has been installed with Foundation Pack, you can enable the AIA error logging mechanism that comes with the Foundation Pack by following the steps given below and then verify the installation.

Enabling AIA Error Handling Framework

To enable the AIA error handling:

- Open the ODI Designer.
- Select the **Demantra Hyperion** package.
- Remove all "ko" connections from the **Error Notification** step.
- Connect the "ko" connection from all activities to **Invoke_AIA_Error_Handling** step.
- Open the **Invoke_AIA_Error_Handling** step properties window.
- Change the value of the parameter **WSDL URL** with **AIAAsynErrorHandlingBPELProcess wsdl**.
- Click **Apply** to save all changes.
- Repeat step 2 through 7 for all packages.
- Regenerate all scenarios.
- Verify the installation using steps in the chapter

Read Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning 2.5 - Implementation Guide to complete PIP implementation.

Chapter 31: Installing VCP to JDE E1 Integration

This chapter includes the following sections:

Performing Pre-Installation Configurations

AIA Installer Interview for the VCP to JDE E1 Integration

Installing Foundation Pack and VCP to JDE E1 Integration

Performing Post-Installation Configurations

Performing Pre-Installation Configurations

The following must be configured before installing VCP to JDE E1 Integration:

Item	Details
Database Schemas	Create the following database schemas: Database schema must be available for the ODI master repository. Grant this schema appropriate permissions and privileges. If you want a separate work repository for the VCP to JDE E1 Integration, create a second database schema for this purpose. Grant this schema appropriate permissions and privileges.
Environment variables	Set the %JAVA_HOME% to point to your JDK 1.5 installation directory. For example, %JAVA_HOME%=D:\Java\jdk1.5.0_09. The path to JAVA_HOME should not contain spaces, such as "C:\Program Files\Java\jdk".
ODI Repositories	Create a master repository and connect it to the database schema. Create a work repository and connect it to the database schema.

AIA Installer Interview for VCP to JDE E1 Integration

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and VCP to JDE E1 Integration. Collect the data required for and enter the details of VCP to JDE E1 Integration screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Note: The VCP to JDE E1 Integration is a direct integration and does not require Foundation Pack. It can be installed with Foundation Pack to benefit from features such as enhanced error handling within Foundation Pack.

JD Edwards EnterpriseOne Inbound Path

Field	Description
<i>JD Edwards EnterpriseOne Inbound Path</i>	The location where inbound EnterpriseOne files are placed. This location can be on the same machine or on a shared folder on a remote machine. JD Edwards EnterpriseOne Inbound Path is _____

JD Edwards EnterpriseOne Outbound Path

Field	Description
<i>JD Edwards EnterpriseOne Inbound Path</i>	The location where inbound EnterpriseOne files are placed. This location can be on the same machine or on a shared folder on a remote machine. JD Edwards EnterpriseOne Inbound Path is _____

For more information on directory structures, see the ODI Directory Structure section of the Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne Implementation Guide.

Demantra Inbound Path

Field	Description
<i>Demantra Inbound Path</i>	The location where inbound Demantra files are placed. This location can be on the same machine or on a shared folder on a remote machine. Demantra Inbound Path is _____

Demantra Outbound Path

Field	Description
<i>Demantra Inbound Path</i>	The location where inbound Demantra files are placed. This location can be on the same machine or on a shared folder on a remote machine. Demantra Inbound Path is _____

APS Database Connection Details

Field	Description
APS Database Host	This value is typically the machine name. To determine this value, contact the database administrator. Example: server1.oracle.com APS Database Host is _____
APS Database Port	To determine this value, contact the database administrator. Example: 1521 APS Database Port is _____
APS Database Username	This parameter must be set to: msc
APS Database Password	To determine this value, contact the database administrator. APS Database Password is _____
APS Database SID	To determine this value, contact the database administrator. Example: orcl . APS Database SID is _____

APS Inbound Path

The APS Database User Name must be set to msc.

Field	Description
APS Inbound Path	The location where inbound APS files are placed. This location can be on the same machine or on a shared folder on a remote machine. The location must be the same as the machine where the APS database is hosted. APS Inbound Path is _____

APS Outbound Path

The APS Database User Name must be set to msc.

Field	Description
APS Inbound Path	The location where inbound APS files are placed. This location can be on the same machine or on a shared folder on a remote machine. The location must be the same as the machine where the APS database is hosted. APS Inbound Path is _____

Oracle Data Integrator Access Details Screen

Use this screen to enter details to access Oracle Data Integrator.

The screen contains the following fields:

Field	Description
ODI Home	Provide the path to the ODI HOME. To find this value, contact your administrator. Example: D:\ODIHOME\oracledi. Path to Oracle Data Integrator is _____
ODI User	To find this value, contact your administrator. Example: SUPERVISOR. ODI User is _____
ODI Password	To find this value, contact your administrator. Example: SUNOPSIS ODI Password is _____
Path to JDK	To find this value, contact your administrator. Example: /tmp/java/jdk1.5. Path to JDK is _____

Oracle Data Integrator Path for Exported DVMs Details (Not Applicable)

Field	Description
Path for Exported DVMs	Enter the path to directory to export Domain Value Mappings (DVM). Path for Exported DVM is _____

Oracle Data Integrator Master Repository Details

You must set up an ODI Master Repository prior to installing the VCP to JDE E1 Integration. This master repository must be created in an Oracle database.

The install process appends PIP artifacts into this master repository.

Use this screen to enter details to access the Oracle Data Integrator Master Repository. If Master repository is already configured field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
ODI Master Repository Database Host	To find this value, contact your database administrator. Example: sd600089seems.compay.com ODI Master Database Host _____
ODI Master Repository Database Port	To find this value, contact your database administrator. Example: 1521 ODI Master Database Port is _____
ODI Master Repository Database Username	To find this value, contact your database administrator. Example: master. This field is also known as the Master Repository Schema

Field	Description
	Name. ODI Master Database Username is _____
ODI Master Repository Database Password	To find this value, contact your database administrator. Example: welcome1 ODI Master Database Password is _____
ODI Master Repository Database SID	To find this value, contact your database administrator. Example: Demantra ODI Master Database SID is _____

Oracle Data Integrator Work Repository Details

The install process imports the VCP to JDE E1 Integration into an ODI Work repository. You can provide an existing ODI Work Repository or provide an empty one. It is recommended that you use an empty repository.

Use this screen to enter details related to the ODI Work Repository. If Master repository is already configured field values in the screen will be populated automatically.

The screen contains the following fields:

Field	Description
ODI Work Repository Name	Enter the name you give to the ODI Work Repository for PIP Artifacts. Example: WORK (case sensitive) ODI Work Repository Name is _____
ODI Work Repository ID	To find this value, contact your database administrator. Example: 300 ODI Work Repository Password is _____
ODI Work Repository Database Host	To find this value, contact your database administrator. Example: localhost Database Host is _____
ODI Work Repository Database Port	To find this value, contact your database administrator. Example: 1521 Database Port is _____
ODI Work Repository Database Username	To find this value, contact your database administrator. Example: master . This field is also known as the Master Repository Schema Name. Database Username is _____
ODI Work Repository Database Password	To find this value, contact your database administrator. Example: welcome1 Database Password is _____
ODI Work Repository	To find this value, contact your database administrator. Example:

Field	Description
Database SID	XE Database SID is _____

Installing Foundation Pack and VCP to JDE E1 Integration

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and VCP to JDE E1 Integration. Keep the completed worksheets of Foundation Pack and VCP to JDE E1 Integration screens ready before you launch the Installer.

Note: The VCP to JDE E1 Integration is a direct integration and does not require Foundation Pack. It can be installed with Foundation Pack to benefit from features such as enhanced error handling within Foundation Pack.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose VCP to JDE E1 Integration to Install

To choose VCP to JDE E1 Integration to Install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.
2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Select **Oracle Value Chain Planning Integration to JDEdwards Enterprise One** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

4. Click **Next**.

Specify JD Edwards EnterpriseOne Inbound Path

To specify the location of JD Edwards EnterpriseOne Inbound Path:

1. Enter information about the location of your JD Edwards EnterpriseOne inbound files in the **JD Edwards EnterpriseOne Inbound Path** screen.
2. Click **Next**.

Specify JD Edwards EnterpriseOne Outbound Path

To specify the location of JD Edwards EnterpriseOne Inbound Path:

1. Enter information about the location of your JD Edwards EnterpriseOne outbound files in the **JD Edwards EnterpriseOne Outbound Path** screen.
2. Click **Next**.

Specify Demantra Inbound Path

To specify the location of Demantra inbound files details:

1. Enter information about the location of your Demantra inbound files details in the **Demantra Inbound Path** screen.
2. Click **Next**.

Specify Demantra Outbound Path

To specify the location of Demantra outbound files details:

3. Enter information about the location of your Demantra outbound files details in the **Demantra Outbound Path** screen.
4. Click **Next**.

Specify APS Database Connection Details

To specify Advanced Planning and Scheduling Connection details:

1. Enter information about your APS Database Connection instance in the **APS Database Connection Details** screen.
2. Click **Next**.

Specify APS Inbound Path

To specify APS inbound files location:

1. Enter information about your APS inbound files location in the **APS Inbound Path** Screen.
2. Click **Next**.

Specify APS Outbound Path

To specify APS outbound files location:

1. Enter information about your APS outbound files location in the **APS Outbound Path** Screen.
2. Click **Next**.

Specify Oracle Data Integrator Access Details

To specify Oracle Data Integrator Access details:

1. Enter information about your Oracle Data Integrator Access installation in the **Oracle Data Integrator Access Information** screens.

Oracle Data Integration Access Information is captured in two screens. Enter the following information in the screens.

2. Specify **ODI Home**.
3. Click **Next**.
4. Enter **ODI User** and **ODI Password**.
5. Specify the **Path to JDK**.
6. Click **Next**.

Oracle Data Integrator Path for Exported DVMs Details

The path for Exported DVMs is not applicable for Oracle Value Chain Planning Integration Pack for JD Edwards EnterpriseOne.

Specify Oracle Data Integrator Master Repository Details

To specify Oracle Data Integrator Master Repository details:

1. Enter information about your Oracle Data Integrator Master Repository installation in the **Oracle Data Integrator Master Repository** screen.
2. Click **Next**.

Specify Oracle Data Integrator Work Repository Details

To specify Oracle Data Integrator Work Repository details:

1. Enter information about your Oracle Data Integrator Work Repository installation in the **Oracle Data Integrator Work Repository for Retail to EBS** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart **Oracle SOA Suite if Foundation Pack** is installed.
7. Perform post installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the VCP to JDE E1 Integration.

- ☐ Configure environment variables.
- ☐ Verify directory structure.
- ☐ Launch the Value Chain Planning Integration to JDE E1 Agent.
- ☐ Stop the Value Chain Planning to JDE E1 Agent.
- ☐ Enable the AIA error logging mechanism (optional).

Configuring Environment Variables

Configure the following environment variable:

Environment Variable	Description
ODI_BIN_DIR	The location of the ODI program. The recommended location is as follows: <ODIHOME>/oracledi/bin

VCPJDE_PIP_HOME	<p>The location of the ODI program. The recommended location is as follows:</p> <p><PIP_HOME>/PIPS/Core/DIS/VCPJDE</p>
-----------------	--

For more information, see the *Configuring ODI Variables* section in the Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne Implementation Guide.

Verifying Directory Structure

Before using VCP to JDE E1 Integration, a system administrator must verify if the directories exist as per the directory structure.

For more information, see the *Setting Up VCP to JDE E1 Integration* chapter in the Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne Implementation Guide.

Launching the VCP to JDE E1 Integration Agent

Before you execute a scenario from ODI or run a collection from APS, ensure that the Value Chain Planning Integration to JDE E1 Agent is running.

Note: You must ensure that the executable permission is enabled on all shell scripts.

To start the E1APSAGENT for VCP to JDE E1 Integration:

1. Browse to the <PIP_HOME>\PIPS\Core\DIS\VCPJDE\agent directory.
2. Run the following file:

☐ For Windows: start_odi_agent.bat

☐ For Linux: start_odi_agent.sh

The agent launches as a listener and awaits incoming requests from APS collections to execute ODI scenarios.

Stopping the VCP to JDE E1 Integration Agent

You can stop the Value Chain Planning Integration to JDE E1 Agent when you are not using VCP to JDE E1 Integration.

To stop the E1APSAGENT for VCP to JDE E1 Integration:

1. Browse to the <PIP_HOME>\PIPS\Core\DIS\VCPJDE\agent directory.

2. Run the following file:

☐ For Windows: stop_odi_agent.bat

☐ For Linux: stop_odi_agent.sh

3. Verify the installation using steps in the chapter.

Note: If the integration has been installed with Foundation Pack, you can enable the AIA error logging mechanism that comes with the Foundation Pack by following the steps given below and then verify the installation.

Enabling AIA Error Handling (Optional)

The procedure for logging these error messages is provided in each package of the PIP with a six step process grouped together in each package. These steps are:

1. PVV_ERR_MSG: This step stores the error message.
2. PVV_ERR_STEP: This step stores the step name where scenario has failed.
3. PVV_ERROR_FLOW_INSTANCE_ID: This step stores the flow name where scenario has failed.
4. PVV_ERROR_SOURCE_ID: This step stores the source from where data is coming.
5. ODI Invoke Web Service: This step invokes the web service. All credential like WSDL url, user name, password etc are to be provided here.
6. Failure: This step is to purposefully fail the Scenario (APS is dependent upon the actual failure and success of Scenario to show if a request is successful or errored out).

To enable AIA error handling:

1. Open the package.
2. Go to **diagram** tab and select **ko** step from toolbar.
3. Connect **InsertScenName Step** to **PVV_ERR_MSG** using the **ko** step.

Only exception to this step is in **Synchronize_XML** package where **ko** step is to be inserted between **Synchronize_Xml** and **OdilInvokeWebService1**.

4. Select the step **OdilInvokeWebService1** and view the properties.
5. Change **WSDL URL**, **HTTP User**, and **HTTP Password** values.
6. Repeat steps 1 through 5 in each of the package.
7. Regenerate all the scenarios.

After completing these steps, the AIA error logging can be viewed using BPEL-Console.

8. Verify the installation using steps in the chapter.

Read Oracle Value Chain Planning to JD Edwards Enterprise One Integration 2.5 - Implementation Guide to complete PIP implementation.

Chapter 32: Installing the Workforce Administration for PeopleSoft HR

This chapter provides an overview of Workforce Administration for PeopleSoft HR screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Workforce Administration for PeopleSoft HR

Installing Foundation Pack and Workforce Administration for PeopleSoft HR

Performing Post-Installation Configurations

AIA Installer Interview for the Workforce Administration for PeopleSoft HR

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Workforce Administration for PeopleSoft HR. Collect the data required for and fill in the details of Workforce Administration for PeopleSoft HR screen below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

PeopleSoft HCM Web Services Information Details Screen

Use this screen to enter details related to PeopleSoft HCM Web Services instance.

The screen contains the following fields:

Field	Description
Host Name	This value is the host name for the web service provided by PeopleSoft. To find this value, contact the PeopleSoft system administrator. Example: rtas245.peoplesoft.com Host Name is _____
Port Number	This value is the port for the web service provided by PeopleSoft. To find this value, contact the PeopleSoft system administrator. Example: 7501 Port Number is _____
Default Local Node	This value is the default local node for the specific instance of PeopleSoft. This value is unique to the instance of PeopleSoft and enables the PeopleSoft Gateway to identify the application server to which it should route the web service request. Example: E900B20 Default Local Node is _____

Installing Foundation Pack and Workforce Administration for PeopleSoft HR

The section discusses the installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Workforce Administration for PeopleSoft HR. Keep the completed worksheets of Foundation Pack and Workforce Administration for PeopleSoft HR screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Workforce Administration for PeopleSoft HR to Install

To choose Workforce Administration for PeopleSoft HR to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to

the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Workforce Administration Integration Pack for PeopleSoft Human Resources** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check section for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify PeopleSoft HCM Web Services Information Details

To specify PeopleSoft HCM Web Services Information details:

1. Enter information about your PeopleSoft HCM installation in the **PeopleSoft HCM Web Services Information Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays the installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

The section discusses the following post installation configurations for Workforce Administration for PeopleSoft HR:

For 9.0 Installation:

1. Apply Resolution #794934, the PeopleSoft Enterprise Components resolution for PeopleSoft HR 9.0. This resolution applies Application Integration Framework updates relating to the maintenance of cross-reference maps (XRefs) and domain value maps (DVMs) on PeopleSoft as a common component. This resolution must be applied before applying all other resolutions. Use PeopleSoft PeopleTools 8.49.19 or higher.
2. Apply Resolution #807695, the Core Human Resources 9.0 resolution. This resolution applies full sync processing for dependent beneficiaries for Oracle Workforce Administration for PeopleSoft HR. Use PeopleSoft PeopleTools 8.49.19 or higher.
3. Apply Resolution #807603, the Oracle Workforce Administration for PeopleSoft HR integration pack resolution. This resolution applies the PeopleSoft objects that are required for Oracle Workforce Administration for PeopleSoft HR integration.

For 9.1 Installation:

4. Apply Resolution #817443, the Core Human Resources 9.1 resolution. This resolution applies full sync processing for dependent beneficiaries for Oracle Workforce Administration for PeopleSoft HR. Use PeopleSoft PeopleTools 8.50 or higher.
5. Apply Resolution #825749, the Oracle Workforce Administration for PeopleSoft HR integration pack resolution. This resolution applies the PeopleSoft objects that are required for Oracle Workforce Administration for PeopleSoft HR integration.

Verify the installation using steps in the chapter.

Read Oracle Workforce Administration Integration Pack for PeopleSoft Human Resources 2.5 - Implementation Guide to complete PIP implementation.

Chapter 33: Installing the Project Portfolio Management: Primavera P6-EBS Projects PIP

This chapter provides an overview of Project Portfolio Management: Primavera P6-EBS Projects PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Project Portfolio Management: Primavera P6 – EBS Projects PIP

Installing Foundation Pack and Project Portfolio Management: Primavera P6 – EBS Projects PIP

Performing Post-Installation Configurations

AIA Installer Interview for the Project Portfolio Management: Primavera P6-EBS Projects PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Project Portfolio Management: Primavera P6-EBS Projects PIP. Collect the data required for and enter the details of Project Portfolio Management: Primavera P6-EBS Projects PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle E-Business Suite Server Details Screen

Use this screen to enter details related to your Oracle E-Business Suite server instance.

The screen contains the following fields:

Field	Description
E-Business Suite Host Name	This value is the fully qualified machine name of the Oracle E-Business Suite application. Example: example1.corp.oracle.com . E-Business Suite Host Name is _____
E-Business Suite Port	This value is the Oracle E-Business Suite application port. To find this value, contact your administrator. Example: 8024 . E-Business Suite Port is _____
E-Business Suite User Name	To find this value, contact your administrator. E-Business Suite User Name is _____
E-Business Suite Password	To find this value, contact your administrator. E-Business Suite Password is _____
Workflow Business Event System Name	This is the Workflow Business Event System Name of E-Business Suite Server. For example: server2.xyz.com . To find this value, contact your administrator.

Field	Description
	Workflow Business Event System Name is _____
E-Business suite version	This is the version of the E-Business Suite Application. Valid value is 11.5.10.2 . Other versions are not supported in the 2.5 release.

Oracle E-Business Suite Database Details Screen

Use this screen to enter details related to your Oracle E-Business Suite database instance.

The screen contains the following fields:

Field	Description
E-Business Suite Database Host	This value is typically the machine name. To find this value, contact the database administrator. Example: server1.oracle.com . E-Business Suite Database Host is _____
E-Business Suite Database Port	To find this value, contact the database administrator. Example: 1521 . E-Business Suite Database Port is _____
E-Business Suite Database User Name	To find this value, contact the database administrator. Example: apps . E-Business Suite Database Username is _____
E-Business Suite Database Password	To find this value, contact the database administrator. E-Business Suite Database Password is _____
E-Business Suite Database SID (System ID)	To find this value, contact the database administrator. Example: orcl . E-Business Suite Database SID is _____
Database Schema	To find this value, contact the database administrator. Example: server1 . Database Schema is _____ Note: All the database credentials are used for creating the connection pool URL and data source URLs.

Primavera P6 Server Details

Field	Description
P6 Webservice host url	This value is url of P6 Webservice host. Example: http://p6webservice.com P6 Webservice host url is _____
P6 Webservice port	This value is the P6 Webservice port. To find this value,

Field	Description
	contact your administrator. For example: 1521 P6 Webservice port is _____
Username	To find this value, contact your administrator. Username is _____
Password	To find this value, contact your administrator. Password is _____
Currency Code	This value is the currency code in which the P6 server is currently operating. To find this value, contact your administrator. Currency Code is _____

Installing Foundation Pack and Project Portfolio Management: Primavera P6-EBS Projects PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Project Portfolio Management: Primavera P6-EBS Projects PIP. Keep the completed worksheets of Foundation Pack and Project Portfolio Management: Primavera P6-EBS Projects PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Project Portfolio Management: Primavera P6-EBS Projects PIP to Install

To choose Project Portfolio Management: Primavera P6-EBS Projects PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Project Portfolio Management Integration Pack for Primavera P6 and Oracle E-Business Suite** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle E-Business Suite Server Details

To specify Oracle E-Business Suite Server details:

1. Enter information about your Oracle E-Business Suite Server installation in the **E-Business Suite Server Details** screen.
2. Click **Next**.

Specify Oracle E-Business Suite Database Details

To specify Oracle E-Business Suite Database details:

1. Enter information about your Oracle E-Business Suite Database installation in the **E-Business Suite Database Details** screen.
2. Click **Next**.

Specify the Primavera P6 Server Details

To specify Primavera P6 server details:

1. Enter information about your Primavera P6 installation in the **Primavera P6 Server Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the following post-installation configurations for the Project Portfolio Management: Primavera P6-EBS Projects PIP.

1. Verify the property "DHTTIClient.disableKeepAlives=true" is present in the opmn.xml file. This file is present at the ORACLE_HOME/opmn/conf/opmn.xml location in the Java options for the OC4J_SOA container. If the property does not exist, you can add it to the above specified location. Adding the property to the opmn.xml file enables you to avoid timeout in the load balancer.
2. Verify the installation using steps in the chapter.

Read Oracle Project Portfolio Management Integration Pack for Primavera P6 and Oracle E-Business Suite 2.5 - Implementation Guide to complete PIP implementation.

Chapter 34: Installing the Project Portfolio Mgmt: Primavera P6 - JDE E1

This chapter provides an overview of Project Portfolio Management: Primavera P6 - JDE E1 PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Project Portfolio Management: Primavera P6 – JDE E1 PIP

Performing Pre-Installation Configurations

Installing Foundation Pack and Project Portfolio Mgmt: Primavera P6 – JDE E1 PIP

Performing Post-Installation Configurations

AIA Installer Interview for the Project Portfolio Management: Primavera P6 - JDE E1 PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Project Portfolio Management: Primavera P6 - JDE E1 PIP. Collect the data required for and enter the details of Project Portfolio Management: Primavera P6 - JDE E1 PIP Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Primavera P6 Server Details

Field	Description
P6 Webservice host url	This value is the url of the P6 Webservice host. Example: http://example1.p6webserice.com:7854 P6 Webservice host url is _____
P6 Webservice port	This value is the P6 Webservice port number. To find this value, contact your administrator. Example: 1521 P6 Webservice port is _____
Username	This value is the user name of a P6 user with rights to all of the operations that are supported by the AIA integration effort. To find this value, contact your administrator. Primavera P6 Username is _____
Password	This value is the password that is associated with the Primavera P6 username that you specify. The Username associated with this password should have access to P6 web

Field	Description
	services. To find this value, contact your administrator. Primavera P6 Password is _____
Currency Code	This value is the currency code in which the P6 server is currently operating. To find this value, contact your administrator. Currency Code is _____

JD Edwards EnterpriseOne Business Services Screen

Use this screen to enter details related to your JD Edwards EnterpriseOne business services.

The screen contains the following fields:

Field	Description
Web Services Platform	This value is the web services platform that is used by EnterpriseOne. Valid platforms include Oracle Application Server (OAS) and WebSphere Application Server (WAS). This value can be OAS or WAS. Select the appropriate platform from the drop-down menu. Example: OAS Web Services Platform is _____
Web Service Server URL	This value is the location of the EnterpriseOne business service server. This value should contain the entire path, including the trailing forward slash, but not contain the name of the particular web service. Example: http://dnvmsvr20.mlab.jdedwards.com:9988/PY900/ Web Service URL is _____
Environment	This is the environment that the integration proxy user accesses during sign on. To find this value, contact your administrator. Example: PY900CLM Environment is _____

Performing Pre-Installation Configurations

- ☐ Before installing this PIP, you must apply a patch for the Oracle Web Services Manager (OWSM). Download the patch for BUG 7490384 (p7490384_101340_GENERIC.zip), from My Oracle Support.
- ☐ Move the zip file to the FMW server and unzip it. Follow the instructions in the README.txt file included with the patch.

Installing Foundation Pack and Project Portfolio Management: Primavera P6 - JDE E1 PIP

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Project Portfolio Management: Primavera P6 - JDE E1 PIP. Keep the completed worksheets of Foundation Pack and Project Portfolio Management: Primavera P6 - JDE E1 PIP screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Project Portfolio Management: Primavera P6 - JDE E1 PIP to Install

To choose Project Portfolio Management: Primavera P6 - JDE E1 PIP to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Project Portfolio Management Integration Pack for Primavera P6 and JD Edwards EnterpriseOne** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

3. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
4. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify the Primavera P6 Server Details

To specify Primavera P6 server details:

1. Enter information about your Primavera P6 installation in the **Primavera P6 Server Details** screen.
2. Click **Next**.

Specify JD Edwards EnterpriseOne Business Services Details

To specify JD Edwards EnterpriseOne Business Services Information details:

1. Enter information about your JD Edwards EnterpriseOne installation on the **EnterpriseOne Business Services Information** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Perform post-installation configurations.

Performing Post-Installation Configurations

This section discusses the post-installation configuration for the Project Portfolio Management: Primavera P6 - JDE E1 PIP.

Updating SOA Server Properties

To update SOA Server properties:

1. Login to Application Server Control page from the Oracle Enterprise Manager.
2. Click **oc4j_soa** link in the **Members** section on the **Cluster Topology** page.
3. Click **Administration** tab.
4. Navigate to **Administration Tasks, Properties** and click the **Go To Task** button in the **Server Properties** row.
5. Click **Add Another Row** button in the **Options** section on the **Server Properties** page.

A blank row is created at the bottom of the Options section.

6. Enter this value and click **Apply**.

-DHTTPClient.disableKeepAlives=true

You will receive a confirmation message that the changes have been applied to the selected oc4j instance.

7. Restart the oc4j instance from the **Cluster Topology** page.
8. Verify the installation using steps in the chapter.

Read Oracle Project Portfolio Management Integration Pack for Primavera P6 and JD Edwards EnterpriseOne 2.5 - Implementation Guide to complete PIP implementation.

Chapter 35: Installing the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP

This chapter provides an overview of Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Study, Subject and Visit Synch: Siebel Clinical – Oracle Clinical

Installing Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical – Oracle Clinical

Performing Post-Installation Configurations

AIA Installer Interview for the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical. Collect the data required for and enter the details of Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical Screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle Clinical Server Details

Use this screen to enter details related to your Oracle Clinical server that is running Oracle Clinical web services.

The screen contains the following fields:

Field	Description
Oracle Clinical Hostname	This value is the fully-qualified machine name of the server where the Oracle Clinical Web services were installed. This can be the same machine as where the SOA suite is installed or could be any machine running Oracle Application Server 10.1.3.4. Example: opa-apps76.us.oracle.com Oracle Clinical hostname is _____
Oracle Clinical Http Port	This value is the application port for the Oracle Clinical Web services. To find this value, contact your administrator. Example: 8024 Oracle Clinical Http Port is _____
Oracle Clinical RDC Version	This value is the version of the Application. Example: 4.5.3 . To find this value, contact your administrator.

Field	Description
	Oracle Clinical RDC version is _____

Siebel CRM Base for Clinical Trial Management System Server Details

Use this screen to enter details related to your Siebel CRM Base for Clinical Trial Management System Server instance.

The screen contains the following fields:

Field	Description
<i>Siebel Clinical Hostname</i>	This value is the fully-qualified computer name of the Siebel Clinical host. Example: <i>example1.corp.siebel.com</i> Siebel Clinical Hostname is _____
<i>Siebel Clinical Http Port</i>	This value is the Siebel application port. To find this value, contact your administrator. For example: <i>80</i> Siebel Clinical Http port is _____
<i>Siebel Clinical EAI Application User</i>	This value is the Siebel integration user used to make EAI Web service calls. To find this value, contact your administrator. Siebel Clinical EAI Application User is _____
<i>Siebel Clinical EAI Application Password</i>	To find this value, contact the database administrator. Siebel Clinical EAI Application Password is _____
<i>Siebel Enterprise Server Name</i>	To find this value, contact the database administrator. Siebel Enterprise Server Name is _____
<i>Siebel Clinical Version</i>	This is the version of the Siebel Clinical application. The valid value is 8.1.1. Other versions are not supported for the 2.5 release.
<i>Language</i>	Example: enu
<i>Internet Protocol</i>	Example: https://

Installing Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical. Keep the completed worksheets of Foundation Pack and Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical to Install

To choose Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

4. Select **Oracle Study, Subject, and Visit Synchronization Integration Pack for Siebel Clinical and Oracle Clinical** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check [section](#) for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Oracle Clinical Server Details

To specify Oracle Clinical RDC details:

1. Enter information about your Oracle Clinical Server instance in the **Oracle Clinical Server Details** screen.
2. Click **Next**.

Specify Siebel CRM Base for Clinical Trial Management System Server Details

To specify Siebel Clinical details:

1. Enter information about your Siebel CRM Base for Clinical Trial Management System Server instance in the **Siebel CRM Base for Clinical Trial Management System Server Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the **Install** screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.

Performing Post-Installation Configurations

Apply the patch 9676200 and perform the following tasks before you proceed with post install configurations:

1. Login to ESB Console and click on default subsystem
2. Enter the machine name and port for the SOA Sever.
3. Click **Save**.
4. Click the **Maps** button to go to Domain Value Maps.
5. Go to **Country** map.
6. Double-click on the column **SEBCLINL_01** and change it to **SEBLCLIN_01**.
7. Click **Save**.
8. Login to AIA application.
9. Click **Setup** tab.
10. Choose **System**.
11. Enter in a row for Oracle Clinical and a row for Siebel Clinical.

Perform the following post-installation configurations:

Create Connection Pool

Create Datasource

Create OJMS resource provider

Creating Connection Pool

To create a connection pool:

1. Login to **oc4j EM** console and select the oc4j instance (example:oc4j_soa).
2. Navigate to JDBC Resources: <oc4j_soa>/Administration tab/JDBC Resources.
3. Enter the following information:

Name of Connection Pool: *UpdateClinicalStudySEBLConn.*

URL: Enter the appropriate hostname, port and service name for the database instance for the SOA server.

Username: *jmsuser*

Password: *jmsuser*

4. Click **Test Connection**.
5. Click **Finish**.

Create Data Source

To create a data source

1. Click **Create** button.
2. Choose **Managed Data Source**.
3. Enter the following values:

Name: *UpdateClinicalStudySEBLDS*

JNDI Location: *jdbc/UpdateClinicalStudySEBLDS.*

Transaction Level: *Global & Local Transactions.*

Connection Pool: *UpdateClinicalStudySEBLConn*

Creating OJMS Resource Provider

To create OJMS resource provider:

1. Navigate to **oc4j_soa/Administration tab/Database Persistence**.
2. Click **Deploy** button.
3. Enter the following values to add a new resource provider to be used by this connector.

Resource Adapter Module Name: *UpdateClinicalStudySEBLRA*.

Resource Provider Name: *UpdateClinicalStudySEBLRP*.

Datasource JNDI Location: *jdbc/UpdateClinicalStudySEBLDS*.

4. Restart the server:

On UNIX:

```
./opmnctl stopall
```

```
./opmnctl startall
```

On Windows:

```
opmnctl stopall
```

```
opmnctl startall
```

Creating Connection Factory for Resource Adapter

To create connection factory for Resource Adapter:

1. Navigate to <oc4j_soa>/Administration tab/Database Persistence.
2. Select the OJMS resource adapter that you have created – *UpdateClinicalStudySEBLRA*.
3. Navigate to **Connectin Factories** and click **Create**.
4. Select the *javax.jms.QueueConnectionFactory* from the list and do the following:

JNDI Location: *UpdateClinicalStudySEBLRA/MyQCF*.

Retain the default configuration properties values.

5. Navigate to **Administration Objects** and click **Create** to create Administration Object for the resource adapter.
6. Select the *oracle.j2ee.ra.jms.generic.AdminObjectQueueImpl* from the list and do the following:

JNDI Location: *UpdateClinicalStudySEBLRA/Admin*.

Retain the default configuration properties values.

7. Verify the resource adapter configuration of **application.xml** at
 <OracleAS_HOME>/j2ee/<SOA_Instance>/config

```
<resource-provider name="UpdateClinicalStudySEBLRP"
class="oracle.jms.OjmsContext">
<description />
<property name="datasource" value="jdbc/UpdateClinicalStudySEBLDS"
/>
</resource-provider>
```

8. Follow the instructions in the oc4j security guide to enable user role, allow EJB/RMI access and grant permissions.

Creating OC Resource Adapter

To create OC resource adapter:

1. Click **Applications** tab.
2. Select *Standalone Resource Adapters* from **View** list.
3. Click **AQ Adapter**.
4. Click **Connection Factories**.
5. Click **Create**.
6. Click **Continue** and do the following:

JNDI Location: *eis/AQ/OracleClinical_ClinicalStudy*.

Click **None** for **Connection Pool**.

Under Configuration Properties

Set **useDefaultConnectionManager** to *false*.

Specify **xADDataSourceName** as *jdbc/UpdateClinicalStudyOCDS*.

Click **Finish**.

You need to create a Connection Pool for the resource adapter. To create a connection pool:

7. In **Enterprise Manager** click the **Administration** tab for *oc4j_Soa*.
8. Navigate to **JDBC Resources**.
9. Click the **Create** button under **Connection Pools**.
10. Retain the default settings and click **Continue** and do the following:

Connection Pool: *UpdateClinicalStudyOCConn*.

Enter the connection details for the RXC schema, including the **Username** and **Password** in the **Credentials** section.

Click **Finish** and test your new connection.

You need to create a Data Source for the resource adapter. To create a data source:

11. Click the **Create** button in the **Data Sources** section and do the following:

Retain the default options and click **Continue**.

Data Source: *UpdateClinicalStudyOCDS*.

JDNI Location: *jdbc/UpdateClinicalStudyOCDS.*

Transaction Level: *Global & Local Transactions.*

Connection Pool: *UpdateClinicalStudyOCConn*

Click **Finish** and test the new data source.

12. Restart SOA.

On UNIX:

```
./opmnctl stopall
```

```
./opmnctl startall
```

On Windows:

```
opmnctl stopall
```

```
opmnctl startall
```

13. Verify the installation using steps in the chapter.

Read Oracle Study, Subject, and Visit Synchronization Integration Pack for Siebel Clinical and Oracle Clinical 2.5 - Implementation Guide to complete PIP implementation.

Chapter 36: Installing the Utilities Field Work PIP

This chapter provides an overview of Utilities Field Work PIP screens in AIA Installer and includes the following sections:

AIA Installer Interview for the Utilities Field Work PIP

Installing Foundation Pack and Utilities Field Work PIP

AIA Installer Interview for the Utilities Field Work PIP

The AIA Installer screens prompt you to enter the data required for successful installation of Foundation Pack and Utilities Field Work PIP. Collect the data required for and fill in the details of Utilities Field Work PIP screens below. Take a printout of both the sections and keep it ready when you run AIA Installer. This enables faster and error free installation.

Oracle Utilities Customer Care and Billing Server Details Screen

Use this screen to enter details related to Oracle Utilities Customer Care and Billing server.

The screen contains the following fields:

Field	Description
CCB XAI Service URL	This value is the location of the Customer Care and Billing web service. Example: http://abc.oracle.com:8500/spl/XAIApp/xaiserver CCB XAI Service URL is _____
CCB Username	This value is the user ID of the Customer Care and Billing user authorized to invoke web services used in the integration. CCB Username is _____
CCB User Password	This value is the password for the user specified above. CCB User Password is _____

Oracle Utilities Work and Asset Management Server Details Screen

Use this screen to enter details related to Oracle Utilities Work and Asset Management server.

The screen contains the following fields:

Field	Description
-------	-------------

Field	Description
WAM Service URL	This value is the location of the Work and Asset Management web service. Example: http://abc.us.oracle.com:7779/DV19X/synergen/services/ WAM Service URL is _____
WAM Username	This value is the user ID of the Work and Asset Management user authorized to invoke web services used in the integration. WAM Username is _____
WAM User Password	This value is the password for the user specified above. WAM User Password is _____

Note: WAM Username and Password are not used in the current version, but are reserved for future use.

Oracle Utilities Mobile Workforce Management Server Details Screen

Use this screen to enter details related to Oracle Utilities Mobile Workforce Management server.

The screen contains the following fields:

Field	Description
MWM Service URL	This value is the location of the Mobile Workforce Management web service. Example: http:// mwm-demo-server:80/MWM/MWM_PIP_QA/SPLWebService/SPLMWMServive.aspx MWM Service URL is _____
MWM Username	This value is the user ID of the Mobile Workforce Management user authorized to invoke web services used in the integration MWM Username is _____
MWM User Password	This value is the password for the user specified above. MWM User Password is _____
MWM Appointment Booking Service URL	This value is the location of the Mobile Workforce Management Appointments plug-in. Example: http://appointment-ert-demo-server:8080/MWMIM/services MWM Appoint Booking Service URL is _____
MWM Appointment Booking Username	This value is the user ID of the MWM user authorized to invoke appointment service used in the integration MWM Appoint Booking Username is _____
MWM Appointment Booking Password	This value is the password for the user specified above MWM Appoint Booking Password is _____

Note: MWM Username and Password for both server and appointment booking are not used in the current version, but are reserved for future use.

Installing Foundation Pack and Utilities Field Work

The section discusses installation process. The screens that appear prompt you to enter the data that is required for successful installation of Foundation Pack and Utilities Field Work. Keep the completed worksheets of Foundation Pack and Utilities Field Work screens ready before you launch the Installer.

Launch the Oracle AIA Installer

To launch the Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Solaris SPARC (64-bit)	
IBM AIX Based Systems (64-bit)	
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choose Utilities Field Work to Install

To choose Utilities Field Work to install:

1. Specify the home directory for the product files in the **Select a Product to Install** screen.

Note: If you have an earlier version of Foundation Pack installed, and you select the existing home directory, the rest of the options in this screen are disabled and the installer prompts you to upgrade. Refer to chapter before you upgrade your existing version.

2. Select **Complete Installation** option.

AIA Installer provides two installation options, **Copy AIA Software Only** and **Complete Installation**.

When you choose **Complete Installation**, the Installer installs the selected products at the specified directory.

When you choose **Copy AIA Software Only**, the Installer copies the complete AIA software to the specified directory. You need to manually complete the installation.

3. Confirm that **Foundation Pack** is in **Selected / Installed Components**. If not, select **Foundation Pack** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.
4. Select **Oracle Process Integration Pack for Oracle Utilities Field Work** in **Available Components** and move it to **Selected / Installed Components** using the direction arrow buttons in the middle.

The components that are installed are displayed in **Selected / Installed Components**. You cannot move them back to **Available Components**. You can move only those components that are not installed (check installation status next to them).

5. Click **Next**.

Specify Local SOA Suite Installation Details

To specify local SOA Suite installation details:

1. Enter information about Local Oracle SOA suite installation in the **Details of the Local SOA Suite Installation** screen.
2. Click **Next**.

Specify Oracle Database Server Details

To specify Oracle Database Server details:

1. Enter the Oracle database server information in the **Oracle Database Server Details** screen.
2. Click **Next**.

Specify Oracle Service Registry Details (Optional)

To specify Oracle Service Registry details:

1. Enter the Oracle Service Registry (OSR) information in the **Oracle Service Registry Details** screen.

Note: You can choose to skip this screen if you do not want to give UDDI details. When you skip Oracle Service Registry Details, the services do not get published on the Oracle Service registry. The objects do not reference the registry because the installation did not publish them.

However, Foundation Pack and PIP content is published to Business Service Repository (BSR). Check section for more information.

For more information about BSR, see Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

2. Click **Next**.

Specify Utilities Customer Care and Billing Services Details

To specify Utilities Customer Care and Billing Services details:

1. Enter information about your Utilities Customer Care and Billing Services installation in the **Utilities Customer Care and Billing Services Details** screen.
2. Click **Next**.

Specify Utilities Work and Asset Management Services Details

To specify Utilities Work and Asset Management Services details:

1. Enter information about your Utilities Work and Asset Management Services installation in the **Utilities Work and Asset Management Services Screen Details** screen.
2. Click **Next**.

Specify Utilities Mobile Workforce Management Services Details

To specify Utilities Mobile Workforce Management Services details:

1. Enter information about your Utilities Mobile Workforce Management Services installation in the **Utilities Mobile Workforce Management Services Details** screen.
2. Click **Next**.

Run the Directory Creation and Installation Processes

To run the directory creation and installation processes:

1. Review the install information and verify your selections on the **Summary** screen.
2. Click **Install** to proceed with the file creation and installation of the listed products and components.

The system displays installation progress on the Install screen.

The system displays any warnings or errors as necessary. You can review the install process log for additional details.

3. When the file installation process finishes without errors, the AIA Installer launches the **Configuration Assistants** screen to install the selected components.

As the Configuration Assistant runs, the AIA Installer displays a **Pending**, **In Progress**, or **Succeeded** status. If a Configuration Assistant fails, an error message appears. Review the log for details.

Note: The **Retry** option is not supported. If an error occurs, review the logs to understand the issues and make corrections as needed. Uninstall any components that were installed during the failed installation and start the installation process over again from the beginning.

For more information about working with Configuration Assistants, see Oracle Universal Installer and OPatch User's Guide.

4. If the installation process runs successfully, the system displays the **End of Installation** screen.
5. Click **Exit** to close the AIA Installer.
6. Restart Oracle SOA Suite.
7. Verify the installation using steps in the chapter.

Read Oracle Process Integration Pack for Oracle Utilities Field Work 2.5 - Implementation Guide to complete PIP implementation.

Chapter 37: Verifying the Installation

This chapter provides an overview of Routing Rules configuration in Enterprise Business Services and includes the following sections:

Review Installation / Patch Information

Verifying File Creation and Logs

Verifying Foundation Pack Installation

Setting up JDeveloper 10g for AIA

This chapter also discusses how to verify the installation of PIPs and direct integrations.

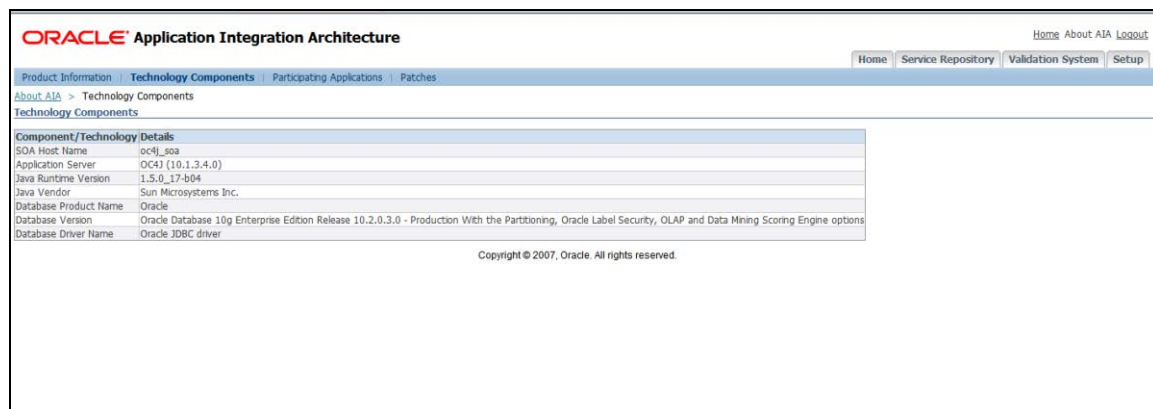
Review Installation / Patch information

You can view the entire information related to installation using AIA web interface. You can also verify patch information when you successfully apply them. You can

To verify installation and patch information:

1. Navigate to the **AIA Console** *http://<server name>:<port number>/AIA/*.
2. Log in with the server administrator user name. To find this information, contact the system administrator.
3. Click **About AIA** on the top right corner.
4. Click the menu items on the top for related information.

For example, when you click **Technology Components**, the interface displays the components like **SOA**, **Application Server** and so on with their version numbers.



About AIA screen

Verifying File Creation and Logs

AIA Installer displays warning and errors messages in log files. You can also check whether the home directory that you defined was created and populated with applicable product files.

To check log files and verify file creation:

1. Open the log files from the following locations:

For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): View the install logs in <Oracle Inventory location>/logs and <AIA_HOME>/logs/Install/FP to troubleshoot or confirm installation.

For Microsoft Windows (32-bit): View the install logs in <Oracle Inventory location>\logs and <AIA_HOME>\logs\Install\FP to troubleshoot or confirm installation.

2. For PIPS, open the log files from the following location:

For Linux x86, Solaris SPARC (64-bit), HP-UX 11i (64 bit) and IBM AIX Based Systems (64-bit): Review the install log located at <AIA_HOME>/logs/Install/PIPS/<PIPName>Install-
\${current.time}.log to verify whether the PIP is successfully installed.

For Microsoft Windows (32-bit): Review the install log located at <AIA_HOME>\logs\Install\PIPS\<PIPName>Install-
\${current.time}.log to verify whether the PIP is successfully installed.

When you install the following PIPs together (co-deployment), the log file shows a few errors. You can ignore these errors.

Oracle Product Hub PIP and Order to Cash PIP.

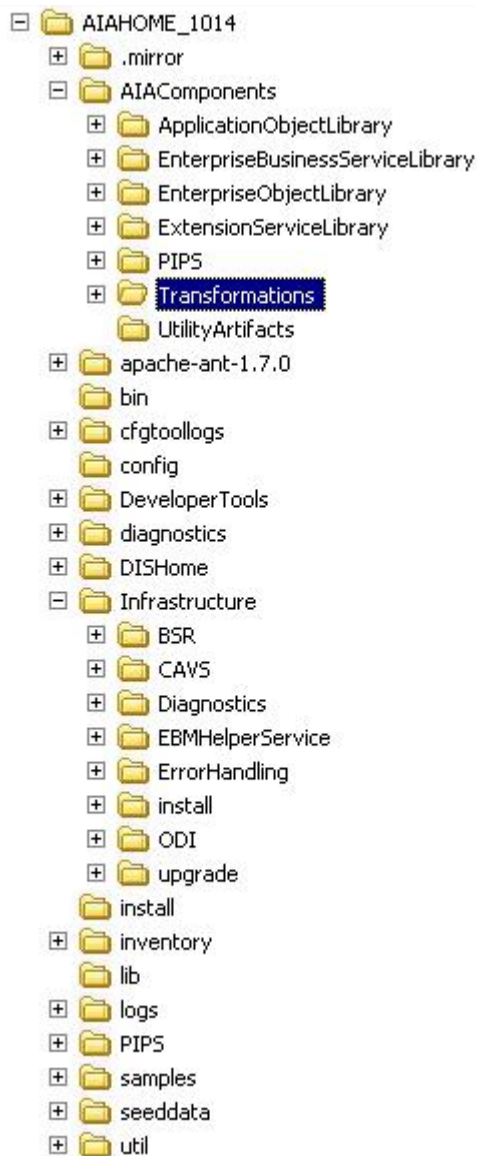
Comms Order to Bill: Siebel CRM - BRM PIP and Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP.

The errors are:

```
Error: Cross Reference Table Name "<...>" already exists
addDataSourceConnectionPool error:
```


Can't find resource for bundle
 oracle.oc4j.admin.deploy.shared.util.Messages, key
 addDataSourceConnectionPool_failed.

3. Open the home directory that you defined in AIA Installer.



AIA home directory file structure

Verifying Foundation Pack Installation

To verify Foundation Pack installation:

1. Confirm that the Oracle AIA ESB processes were installed:
 - a. Navigate to the **ESB Console**: <http://<server name>:<port number>/esb/>.

- b. Log in with the server administrator user name. To find this information, contact the system administrator.
- c. Navigate to **Default System** and you can view **AIADiagnostics_BpelEsbCommunication**.
- d. Navigate to **AIA System, Validation System** and verify whether you can view these Oracle AIA ESB processes.

AsyncRequestRecipient
AsyncResponseRecipient
AsyncResponseSimulator
SyncResponseSimulator

2. Confirm that Oracle AIA BPEL processes were installed:

- a. Navigate to the **BPEL Console**: *http:// <server name>:<port number>/BPELConsole/*.
- b. Log in with the server administrator user name. To find this information, contact the system administrator.
- c. Verify that you can see the following Oracle AIA BPEL processes on the **Dashboard** tab:

AIASyncErrorHandlerBPELProcess	AIADiagnosticsEHTraceLoggingEnabled
AIADiagnosticConfigXPathFunctionsVerification	AIADiagnosticsEnqueueMessageVerification
AIADiagnosticsDequeueMessageVerification	AIADiagnosticsSynchBpelProcess
AIADiagnosticsEBMHeaderFunctionVerificationSync	AIADiagnosticsTransformBpelProcess
AIADiagnosticsEHCorrectiveActionXpathVerification	AIAErrorTaskAdministrationProcess
AIADiagnosticsEHErrorMessageXpathVerification	AIAReadJMSNotificationProcess
AIADiagnosticsEHNotificationXpathVerification	

3. Confirm that the Oracle AIA infrastructure components were successfully installed:

- a. Navigate to the Oracle AIA Console URL: *http://<server name>:<port number>/AIA/index.jspx*.
- b. Log in with the server administrator user name.
- c. Verify that you can access the **Service Repository** and **Validation System** tabs.

Verifying Design to Release: Agile - EBS / PIM PIP Installation

To verify the Design to Release: Agile - EBS / PIM PIP installation:

1. Verify .
2. Confirm that the Design to Release: Agile - EBS / PIM PIP queue was installed.

- a. Navigate to the PLM PIP **Queue Management** console: *http://<server name>:<port number>/queue*
 - b. Log in with the server admin user name. For access details, contact the system administrator.
3. Confirm that the Design to Release: Agile - EBS / PIM PIP ESB processes were installed.
 - a. Navigate to the **ESB Console**: *http://<server name>:<port number>/esb/*
 - b. Log in with the server admin user name. For access details, contact the system administrator.
 - c. Verify that the following Design to Release: Agile - EBS / PIM PIP ESB services appear in the **Services** menu under the corresponding service groups.

Note: Services marked as **x** are not available.

ESB Services	12.1.1 with PIM + 9.3x with VM	12.1.1 with PIM + 9.3x	12.1.1. with PIM + 922x	12.1.1. + 93x with VM	12.1.1. + 93x	12.1.1 + 922x	11.5.10 + 93x	11.5.10. + 922x
EBS								
BillOfMaterialsConfigurationEBS		x	x		x	x	x	x
EngineeringChangeOrderEBS								
EngineeringChangeOrderResponseEBS								
ItemBalanceEBS								
ItemBalanceResponseEBS								
ItemEBS								
ItemResponseEBS								
ItemResponseEBSV2							x	x
Ebiz > ABCS								
BOMConfigurationService		x	x		x	x	x	x
Eco_Cancellation_Event								
Eco_Cancellation_Event_RS								
Eco_Change_Status								
Eco_Change_Status_RS								
Eco_Implementation_Event								

ESB Services	12.1.1 with PIM + 9.3x with VM	12.1.1 with PIM + 9.3x	12.1.1. with PIM + 922x	12.1.1. + 93x with VM	12.1.1. + 93x	12.1.1 + 922x	11.5.10 + 93x	11.5.10. + 922x
Eco_Implementation_Event_RS								
Eco_Reschedule_Event								
Eco_Reschedule_Event_RS								
Eco_Schedule_Event								
Eco_Schedule_Event_RS								
ECOService								
GetEngineeringChangeOrderService								
GetItemBalanceService								
GetItemService								
QueryResponsibilityEbizAdapter							X	X
SyncBOMConfigurationEbizJMSConsumer		X	X		X	X	X	X
SyncBOMConfigurationEbizJMSConsumer_RS		X	X		X	X	X	X
SyncBOMConfigurationEbizJMSProducer		X	X		X	X	X	X
SyncItemListEbizAdapter							X	X
ValidateEngineeringChangeOrderService							X	X
Agile > ECOQueue								
ACSFileConsumer								
ACSFileConsumer_RS								
ACSJMSConsumer								
ACSJMSConsumer_RS								
InsertIntoQueueControl								
PollQueueControl								
PollQueueControl_RS								
PollQueueControlForPendingMsg								
PollQueueControlForPendingMsg_RS								

4. Confirm that the Design to Release: Agile - EBS / PIM PIP BPEL processes were installed.

- a. Navigate to the **BPEL Console**: [http:// <server name>:<port number>/BPELConsole/](http://<server name>:<port number>/BPELConsole/)

- b. Log in with the server admin user name. For access details, contact the system administrator.
- c. Verify that you can see the following Design to Release: Agile - EBS / PIM PIP BPEL processes on the **Dashboard** tab:

Note: Processes marked as **x** are not available.

BPEL Processes	12.1.1 with PIM + 9.3x with VM	12.1.1 with PIM + 9.3x	12.1.1. with PIM + 922x	12.1.1. + 93x with VM	12.1.1. + 93x	12.1.1 + 922x	11.5.10 + 93x	11.5.10. + 922x
CreateEngineeringChangeOrderListEbizProvABCSImpl								
CreateQueueService								
GenerateItemNumberService				x	x	x	x	x
GetBOMConfigurationURLEbizProvABCSImpl		x	x		x	x	x	x
GetConfiguratorURLAgileReqABCSImpl		x	x		x	x	x	x
ProcessEngineeringChangeOrderAgileReqABCS								
QueueProcessorServiceImpl								
SyncBOMConfigurationAgileProvABCSImpl		x	x		x	x	x	x
SyncBOMConfigurationEbizReqABCSImpl		x	x		x	x	x	x
SyncItemListAgileReqABCS							x	x
SyncItemListAgileReqABCSImpl							x	x
SyncItemListEbizProvABCSImpl							x	x
UpdateEngineeringChangeOrderListAgileProvABCSImpl								
UpdateEngineeringChangeOrderListEbizReqABCS								
UpdateEngineeringChangeOrderListEbizReqABCSImpl								
UpdateItemBalanceListAgileProvABCSImpl								
UpdateItemBalanceListEbizReqABCS								
UpdateItemBalanceListEbizReqABCSImpl								
UpdateItemListAgileProvABCSImpl								
UpdateItemListEbizReqABCS								

BPEL Processes	12.1.1 with PIM + 9.3x with VM	12.1.1 with PIM + 9.3x	12.1.1. with PIM + 922x	12.1.1. + 93x with VM	12.1.1. + 93x	12.1.1 + 922x	11.5.10 + 93x	11.5.10. + 922x
UpdateItemEbizReqABCImpl								
ValidateEngineeringChangeOrderListAgileReqABCS							x	x
ValidateEngineeringChangeOrderListEbizProvABCImpl							x	x

5. Confirm that the AIA Foundation Manager components were successfully installed.

- Navigate to the AIA Console URL: *http://<server name>:<port number>/AIA/faces/home.jspx*.
- Log in with server admin user name.
- Navigate to **Setup, System** to access the **Application Registry** page.
- Check the rows for the following sets of values:

Field	Value
Internal ID	AGILE_01
System Code	AGILE_01
System Description	Agile PLM Instance 01
IP Address	IP address of the Agile PLM system
URL	URL of the Agile PLM system
System Type	Agile
Application Type	PLM
Version	9226 (Out of the Box) This can be edited to appropriate version of Agile PLM.

Field	Value
Internal ID	Database SID (Example: M00MQ102)
System Code	EBIZ_01
System Description	Oracle E-Business Suite Instance 01
IP Address	IP address of the EBS system
URL	URL of the EBS system

Field	Value
System Type	Ebiz
Application Type	EBIZ_01
Version	Oracle E-Business Suite Version (Example: 11.5.10, 12.1.1, 12.1.1 with PIM)

Verifying Design to Release: Agile - SAP Installation

To verify the Design to Release: Agile - SAP installation:

1. Verify .
2. Confirm that the Design to Release: Agile - SAP queues were installed.
 - a. Navigate to the PLM PIP **Queue Management** console: *http://<server name>:<port number>/queue*.
 - b. Log in with the server admin user name. To find this information, contact the system administrator.
 - c. Verify that you can see the following Design to Release: Agile - SAP ESB services in the **Services** menu under the corresponding service groups.

ACSFileConsumer	CreateReferenceMaterial
ACSFileConsumer_RS	ECORouterService
ACSJMConsumer	EngineeringChangeOrderEBS
ACSJMConsumer_RS	EngineeringChangeOrderResponseEBS
AIASystem/Agile/ECOQueue	GenerateItemNumberService_Reserve
AIASystem/EBS	InsertIntoQueueControl
AIASystem/SAP/ESB	ItemEBS
BillOfMaterialExistenceCheckService	ItemResponseEBS
BillOfMaterialsEBS	ItemServiceESB
BillOfMaterialsResponseEBS	PollQueueControl
BOMPlantExtensionService	PollQueueControl_RS
BOMServiceESB	PollQueueControlForPendingMsg
CreateBillOfMaterialService	PollQueueControlForPendingMsg_RS
CreateDetailReferenceMaterial	ProcessBillOfMaterialServiceImpl
CreateEngineeringOrderService	ReserveItemService
CreateItemRevisionService	UpdateBillOfMaterialService
CreateItemService	

3. Confirm that Design to Release: Agile - SAP processes were installed.

- a. Navigate to the **BPEL Console**: [http:// <server name>:<port number>/BPELConsole/](http://<server name>:<port number>/BPELConsole/)
- b. Log in with the server admin user name. To find this information, contact the system administrator.
- c. Verify that you can see the following Design to Release: Agile - SAP ESB processes on the **Dashboard** tab.

CreateBillOfMaterialsListSAPProvABCSImpl	ProcessEngineeringChangeOrderAgileReqABCS
CreateEngineeringChangeOrderListEBF	QueueProcessorServiceImpl
CreateEngineeringChangeOrderListSAPProvABCS	ReserveItemSAPProvABCS
CreateEngineeringChangeOrderListSAPProvABCSImpl	SyncItemSAPProvABCS
CreateItemAgileReqABCS	UpdateBillOfMaterialsListSAPProvABCSImpl
CreateItemAgileReqABCSImpl	UpdateItemSAPProvABCSImpl
CreateQueueService	UpdateItemSAPReqABCS
ProcessBillOfMaterialsListSAPProvABCS	UpdateItemSAPReqABCSImpl
ProcessBillOfMaterialsListSAPProvABCSImpl	

4. Confirm that the AIA Foundation Manager components were successfully installed.

- a. Navigate to the AIA Console URL: <http://<server name>:<port number>/AIA/faces/home.jspx>.
- b. Log in with server admin user name.
- c. Navigate to **Setup, System** to access the **Application Registry** page.
- d. Check the rows for the following sets of values:

Field	Value
Internal ID	AGILE_01
System Code	AGILE_01
System Description	Agile PLM Instance 01
IP Address	IP address of the Agile PLM system
URL	URL of the Agile PLM system
System Type	Agile
Application Type	PLM
Version	9226

Field	Value
Internal ID	SAP_01
System Code	SAP_01
System Description	SAP Instance 01

Field	Value
IP Address	IP address of the SAP system
URL	URL of the SAP system
System Type	SAP
Application Type	SAP_01
Version	4.7

Verifying Design to Release: Agile PLM - JDE E1 PIP Installation

To verify the Design to Release: Agile PLM - JDE E1PIP installation:

1. Verify .
2. Confirm that Design to Release: Agile PLM - JDE E1PIP queues were installed.
 - a. Navigate to the PLM PIP **Queue Management** console: *http://<server name>:<port number>/queue*.
 - b. Log in with the server admin user name. To find this information, contact the system administrator.
 - c. Verify that you can see the following Design to Release: Agile - JDE E1 ESB services in the **Services** menu under the corresponding service groups.

AIASystem/EBS	AIASystem/JDEE1
EngineeringChangeOrderEBS	BillOfMaterialsInitialLoadExtractJDEE1FileConsumer
EngineeringChangeOrderResponseEBS	BillOfMaterialsInitialLoadExtractJDEE1FileConsumer_RS
ItemBalanceEBS	BillOfMaterialsInitialLoadExtractJDEE1FTPConsumer
ItemBalanceResponseEBS	BillOfMaterialsInitialLoadExtractJDEE1FTPConsumer_RS
ItemEBS	EngineeringChangeOrderListExtractJDEE1FileConsumer
ItemResponseEBS	EngineeringChangeOrderListExtractJDEE1FileConsumer_RS
AIASystem/Agile/ECOQueue	EngineeringChangeOrderListExtractJDEE1FTPConsumer
ACSFileConsumer	EngineeringChangeOrderListExtractJDEE1FTPConsumer_RS
ACSFileConsumer_RS	ItemBalanceListExtractJDEE1FileConsumer
ACSJMSConsumer	ItemBalanceListExtractJDEE1FileConsumer_RS
ACSJMSConsumer_RS	ItemBalanceListExtractJDEE1FTPConsumer
InsertIntoQueueControl	ItemBalanceListExtractJDEE1FTPConsumer_RS
PollQueueControl	ItemInitialLoadExtractJDEE1FileConsumer
PollQueueControl_RS	ItemInitialLoadExtractJDEE1FileConsumer_RS

PollQueueControlForPendingMsg	ItemInitialLoadExtractJDEE1FTPConsumer
PollQueueControlForPendingMsg_RS	ItemInitialLoadExtractJDEE1FTPConsumer_RS
	ItemListExtractJDEE1FileConsumer
	ItemListExtractJDEE1FileConsumer_RS
	ItemListExtractJDEE1FTPConsumer
	ItemListExtractJDEE1FTPConsumer_RS

3. Confirm that Design to Release: Agile - JDE E1 PIP BPEL processes were installed.

- Navigate to the **BPEL Console**: [http:// <server name>:<port number>/BPELConsole/](http://<server name>:<port number>/BPELConsole/)
- Log in with the server admin user name. To find this information, contact the system administrator.
- Verify that you can see the following Design to Release: Agile - JDE E1 ESB processes on the **Dashboard** tab.

CreateEngineeringChangeOrderListJDEE1ProvABCSmpl	UpdateEngineeringChangeOrderListAgileProvABCSmpl
CreateQueueService	UpdateEngineeringChangeOrderListJDEE1ReqABCSmpl
InitialLoadBillOfMaterialsListJDEE1toAgileImpl	UpdateItemBalanceListAgileProvABCSmpl
InitialLoadItemListJDEE1toAgileImpl	UpdateItemBalanceListJDEE1ReqABCSmpl
ProcessEngineeringChangeOrderAgileReqABCS	UpdateItemListAgileProvABCSmpl
QueueProcessorServiceImpl	UpdateItemListJDEE1ReqABCSmpl

4. Confirm that the AIA Foundation Manager components were successfully installed.

- Navigate to the AIA Console URL: <http://<server name>:<port number>/AIA/faces/home.jspx>.
- Log in with server admin user name.
- Navigate to **Setup, System** to access the **Application Registry** page.
- Check the rows for the following sets of values:

Field	Value
Internal ID	AGILE_01
System Code	AGILE_01
System Description	Agile PLM Instance 01
IP Address	IP address of the Agile PLM system
URL	URL of the Agile PLM system
System Type	Agile
Application Type	PLM

Field	Value
Version	9226

Field	Value
Internal ID	JDV900
System Code	JDEE1_01
System Description	JD Edwards EnterpriseOne
IP Address	<IP of the JDE E1 instance>
URL	http://www.oracle.com/JDE
System Type	JDE
Application Type	ERP
Version	9.0

Verifying Order to Cash: Siebel CRM - EBS PIP Installation

To verify the Order to Cash: Siebel CRM - EBS PIP installation:

1. Verify .
2. Confirm that the Order to Cash: Siebel CRM - EBS PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Order to Cash: Siebel CRM - EBS PIP BPEL processes:

BulkLoadProductEbizReqABCSImpl	ProcessSalesOrderSiebelReqABCSImplV2
CalculateShippingChargeSalesOrderSiebelReqABCSImpl	QueryCustomerPartyListSiebelProvABCSImplV2
CheckATPSalesOrderSiebelReqABCSImpl	QueryItemCompositionListEbizProvABCSImpl
CreateAssetSiebelProvABCSImpl	RequestProductStructureSiebelJMSProducer
CreateItemInstanceEbizReqABCSImpl	RequestProductStructureSiebelReqABCSImpl
CreateProductEbizReqABCSImpl	SyncAccountSiebelReqABCSImpl
CreateSalesOrderEbizProvABCSImpl	SyncContactSiebelReqABCSImpl
CreditCheckSalesOrderSiebelReqABCSImpl	SyncCustomerPartyListEbizProvABCSImpl
ConfiguratorUserLangSiebelAdapter	SyncCustomerPartyListEbizReqABCSImpl
InterfaceCustomerToFulfillmentEBF	SyncCustomerPartyListSiebelProvABCSImpl
InterfaceSalesOrderToCustomerEBFV2	SyncCustomerSiebelEventAggregator
InterfaceSalesOrderToFulfillmentEBF	SyncItemCompositionListSiebelProvABCSImpl

InterfaceSyncProductStructureEBF	SyncProductSiebelProvABCImpl
MergeAccountEbizReqABCImpl	SyncSalesOrderEBizProvABCImpl
MergePartyEbizReqABCImpl	TransformAppContextLogisticsService
PaymentAuthorizationSalesOrderSiebelReqABCImpl	TransformAppContextEbizService
ProcessCreditChargeAuthorizationEbizProvABCImpl	TransformAppContextSiebelService
ProcessCreditEligibilityEbizProvABCImpl	UpdateAssetSiebelProvABCImpl
ProcessQuoteSiebelJMSProducer	UpdateItemInstanceEbizReqABCImpl
ProcessQuoteSiebelReqABCImpl	UpdateProductEbizReqABCImpl
ProcessSalesOrderATPCheckEbizProvABCImpl	UpdateSalesOrderEbizReqABCImpl
ProcessSalesOrderShippingChargeLogisticsProvABCImpl	UpdateSalesOrderSiebelProvABCImpl
ProcessSalesOrderSiebelJMSProducerV2	

b. Navigate to the **ESB Console, AIASystem** service group. Verify that you can see the following Order to Cash: Siebel CRM - EBS PIP ESB processes:

BulkloadItemEbizEventConsumer	QueryItemInstanceEbizAdapter
ConfiguratorCopyConfigEbizAdapter	QueryItemInstanceEbizR12VersionAdapter
	QueryMergeAccountEbizAdapter
CreateItemEbizEventConsumer	QueryMergeOrgCustEbizAdapter
CreateItemInstanceEbizEventConsumer	QueryPartyMergeEbizAdapter
CustomerPartyEBSV2	QueryRelatedOrgCustEbizAdapter
CustomerPartyOrchestrationEBSV2	QueryResponsibilityEbizAdapter
CustomerPartyOrchestrationResponseEBSV2	QuerySimpleItemAdapter
CustomerPartyResponseEBSV2	QuerySimpleItemBulkLoadAdapter
ExplodeItemCompositionEbizAdapter	QuerySimpleItemUpdateAdapter
FetchATPScheduleSequenceEbizAdapter	QueryStructureItemCompositionEbizAdapter
GetItemValidationOrganizationEbizAdapter	ReceivedPaymentEBS
GetSalesOrderEbizAdapter	RequestProductStructureSiebelJMSProducer
InstalledProductEBSV2	RequestProductStructureSiebelJMSProducer
ItemCompositionEBS	SalesOrderEBSV2
ItemCompositionOrchestrationEBS	SalesOrderOrchestrationEBSV2
ItemCompositionResponseEBS	SalesOrderResponseEBSV2
ItemEBSV2	SyncAccountSiebelAggregatorAdapter
ItemResponseEBSV2	SyncAcctSiebelAggrEventConsumer
MergeAccountEbizEventConsumer	SyncAddressSiebelAggregatorAdapter
MergePartyEbizEventConsumer	SyncBPSiebelAggregatorAdapter
ProcessCreditChargeAuthorizationEbizAdapter	SyncContactSiebelAggregatorAdapter

ProcessCreditEligibilityEbizAdapter	SyncContSiebelAggrEventConsumer
ProcessSalesOrderATPCheckEbizAdapter	SyncCustomerPartyListEbizAdapter
ProcessSalesOrderEbizAdapter	SyncCustomerPartyListEbizEventCreateConsumer
ProcessSalesOrderSiebelJMSSConsumerV2	SyncCustomerPartyListEbizEventUpdateConsumer
ProcessSalesOrderSiebelJMSSConsumerV2	SyncCustomerPartyListPersonEbizAdapter
QueryCustomerPartyEbizAdapter	UpdateItemEbizEventConsumer
QueryCustomerPartyListEbizCreateAdapter	UpdateItemInstanceEbizEventConsumer
QueryCustomerPartyListEbizUpdateAdapter	UpdateSalesOrderEbizEventConsumer
QueryItemCompositionEbizAdapter	

Verifying Order to Cash: Siebel CRM - SAP PIP Installation

To verify the Order to Cash: Siebel CRM - SAP PIP installation:

1. Verify .
2. Confirm that the Order to Cash: Siebel CRM - SAP PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Order to Cash: Siebel CRM - SAP PIP BPEL processes:

CalculateShippingChargeSalesOrderSAPProvABCImpl
 DeliverySalesOrderSAPReqABCS
 InterfaceSalesOrderToFulfilmentEBF
 InvoiceSalesOrderSAPReqABCS
 OrderSalesOrderSAPReqABCS
 ProcessCreditChargeAuthorizationSAPProvABCImpl
 ProcessCreditEligibilitySAPProvABCImpl
 ProcessSalesOrderATPCheckSAPProvABCImpl
 ProcessSalesOrderSiebelJMSProducerV2
 ShipmentSalesOrderSAPReqABCS
 SyncCustomerPartyListResponseSAPProvABCImpl
 SyncCustomerPartyListSAPProvABCImpl
 SyncCustomerSAPReqABCImpl
 SyncCustomerSiebelEventAggregator
 SyncItemSAPReqABCImpl
 SyncSalesOrderSAPProvABCImpl

TransformAppContextSiebelService
 UpdateSalesOrderSAPReqABCImpl

- b.** Navigate to the **ESB Console, AIASystem, Services**. Verify that you can see the following Order to Cash: Siebel CRM - SAP PIP ESB processes:

CustomerPartyEBSV2
 CustomerPartyResponseEBSV2
 InstalledProductEBSV2
 ItemEBSV2
 ReceivedPaymentsEBS
 SalesOrderEBSV2
 SalesOrderOrchestrationEBSV2

If you Siebel version is 8.1.1, navigate to the ESB Console, AIASystem, Siebel, ABCS. Verify that the following consumers are present.

ProcessQuoteSoapMsgSiebelJMSConsumer_RS
 ProcessQuoteSoapMsgSiebelJMSConsumer
 ProcessSalesOrderSoapMsgSiebelJMSConsumer_RS
 ProcessSalesOrderSoapMsgSiebelJMSConsumer

If your Siebel version is 8.0, navigate to the ESB Console, AIASystem, Siebel, ABCS. Verify that the following consumers are present.

ProcessSalesOrderSiebelJMSConsumerV2
 ProcessSalesOrderSiebelJMSConsumerV2_RS
 ProcessQuoteSiebelJMSConsumer
 ProcessQuoteSiebelJMSConsumer_RS

Verifying Siebel CRM to OIC Installation

To verify the Siebel CRM to OIC installation:

1. Verify if you have installed Foundation Pack.
2. In Oracle Enterprise Manager, navigate to the **ESB Control** console. Under **Domain Value Maps**, verify that the following Siebel CRM to OIC domain value maps are present:

ADDRESS_COUNTRYID
 COMPENSATION_UNIT_OF_MEASURE
 CURRENCY_CODE

SALESORDER_ACTIONCODE

SIEBEL_BU_TO_PREPROCESS_FLAG

STATE

4. *Start Oracle Data Integrator Metadata Navigator and confirm that the Siebel CRM to OIC components are present.*

Obtain the username and password from your system administrator.

- a. In the **Project List** confirm that the following projects are present:

SiebelCRMTToEbizOICSalesOrderProject

SiebelCRMTToEbizORMProject

- b. In the **Scenario List** under **Execution** confirm that that following scenarios are present:

LOADACTIONCODEDVM

LOADAIACONFIGURATIONPROPERTIES

LOADBUTOPREPROCESSFLAGDVM

LOADCOUNTRYDVM

LOADCURRENCYCODEDVM

LOADSTATEDVM

LOADUNITOFMEASUREDVM

LOAD_SIEBELRESOURCEDATATOEBIZ_PKG

LOAD_SIEBELSALESORDERDATATOEBIZ_PKG

LOAD_SIEBELSALESREPDATATOEBIZ_PKG

LOAD_SIEBELUSERDATATOEBIZ_PKG

- c. In the **Data Server List** under **Topology** confirm that the following data servers are present:

AIAConfigurationProperties

AIADS

EbizDS

SiebelDS

OICBUToPreProcessFlagDVM

OICCountryDVM

OICCcurrencyDVM

OICSalesOrderActionCodeDVM

OICStateDVM

OICUnitOfMeasureDVM

- d. In the **Logical Schema List** under **Topology** confirm that the following logical schemas are present:

AIAConfigurationProperties

ESB_XREF

EbizOIC

OICBUToPreProcessFlagDVM

OICCountryDVM

OICCcurrencyDVM

OICSalesOrderActionCodeDVM

OICStateDVM

OICUnitOfMeasureDVM

SiebelCRM

- e. In the **Context List** under **Topology** confirm that the following context is present:

SiebelCRMTToEbizOICContext

- f. In the **Physical Agent List** and the **Logical Agent List** under **Topology** confirm that the following physical agent and logical agent is present:

SiebelCRMTToEbizOICAgent

Verifying Customer MDM Base Pack Installation

To verify the Customer MDM Base Pack installation:

1. Verify .
2. Confirm that the Customer MDM Base Pack components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Customer MDM Base Pack BPEL processes:

FetchCustomerPartyEBF
ProcessPersonUCMReqABCSImpl
QueryCustomerPartyListUCMProvABCSImpl
QueryCustomerPartyUCMProvABCSImpl
SyncCustomerPartyListResponseUCMProvABCSImpl
SyncCustomerPartyListUCMProvABCSImpl
SyncOrganizationUCMJMSProducer

SyncOrganizationUCMReqABCServiceImpl
 SyncPersonUCMJMSProducer
 SyncPersonUCMReqABCServiceImpl
 TransformAppContextUCMService

- b.** Navigate to the **ESB Console** and verify that you can see the following Customer MDM Base Pack ESB processes:

CustomerPartyEBSV2
 CustomerPartyOrchestrationEBSV2
 CustomerPartyOrchestrationResponseEBSV2
 CustomerPartyResponseEBSV2
 ProcessCustomerPartyEBS
 SyncOrganizationUCMJMSConsumer
 SyncPersonUCMJMSConsumer

Verifying Customer MDM: Siebel CRM Installation

To verify the Customer MDM: Siebel CRM installation:

1. Verify .
2. Confirm that the Customer MDM: Siebel CRM components were successfully installed.

- a.** Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Customer MDM: Siebel CRM BPEL processes:

FetchAccountSiebelReqABCServiceImpl	SyncAccountSiebelReqABCServiceImpl
FetchContactSiebelReqABCServiceImpl	SyncContactSiebelReqABCServiceImpl
FetchCustomerPartyEBF	SyncCustomerPartyListResponseSiebelProvABCServiceImpl
MatchAccountSiebelReqABCServiceImpl	SyncCustomerPartyListSiebelProvABCServiceImpl
MatchContactSiebelReqABCServiceImpl	TransformAppContextSiebelService

- b.** Navigate to the **ESB Console** and verify that you can see the following Customer MDM: Siebel CRM ESB processes:

CustomerPartyEBSV2	SyncAcctSiebelAggrEventConsumer
CustomerPartyOrchestrationEBSV2	SyncAddressSiebelAggregatorAdapter
CustomerPartyOrchestrationResponseEBSV2	SyncBPSiebelAggregatorAdapter
CustomerPartyResponseEBSV2	SyncContactSiebelAggregatorAdapter
SyncAccountSiebelAggregatorAdapter	SyncContSiebelAggrEventConsumer

Verifying Customer MDM: EBS Installation

To verify the Customer MDM: EBS installation:

1. Verify .
2. Confirm that the Customer MDM: EBS components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Customer MDM: EBS BPEL processes:

SyncCustomerPartyListEbizProvABCImpl	SyncPersonAccountEbizReqABCImpl
SyncCustomerPartyListEbizReqABCImpl	TransformAppContextEbizService
SyncCustomerPartyListResponseEbizProvABCImpl	

- b. Navigate to the **ESB Console** and verify that you can see the following Customer MDM: EBS ESB processes:

CustomerPartyEBSV2	SyncCustomerPartyListEbizAdapter
CustomerPartyResponseEBSV2	SyncCustomerPartyListEbizEventCreateConsumer
QueryCustomerPartyListEbizCreateAdapter	SyncCustomerPartyListEbizEventUpdateConsumer
QueryCustomerPartyListEbizUpdateAdapter	SyncCustomerPartyListPersonEbizAdapter
QueryPersonAccountEbizCreateAdapter	SyncPersonAccountEbizEventCreateConsumer
QueryPersonAccountEbizUpdateAdapter	SyncPersonAccountEbizEventUpdateConsumer
QueryResponsibilityEbizAdapter	

Verifying Customer MDM: Comms BRM Installation

To verify the Customer MDM: Comms BRM installation:

1. Verify .
2. Confirm that the Customer MDM: Comms BRM components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Customer MDM: Comms BRM BPEL processes:

FetchCustomerPartyEBF
InterfaceContactToAccountEBF
ProcessPersonUCMReqABCImpl
QueryCustomerPartyListBRMProvABCImpl
QueryCustomerPartyListSiebelProvABCImplV2

```

QueryCustomerPartyListUCMProvABCImpl
QueryCustomerPartyUCMProvABCImpl
SyncCustomerPartyListBRMCommsProvABCImpl
SyncCustomerPartyListResponseUCMProvABCImpl
SyncCustomerPartyListUCMProvABCImpl
SyncOrganizationUCMJMSProducer
SyncOrganizationUCMReqABCImpl
SyncPersonUCMJMSProducer
SyncPersonUCMReqABCImpl
TransformAppContextUCMService

```

- b.** Navigate to the **ESB Console** and verify that you can see the following Customer MDM: Comms BRM ESB processes:

```

CommunicationsCustomerPartyEBSV2
CommunicationsCustomerPartyResponseEBSV2
CustomerPartyEBSV2
CustomerPartyOrchestrationEBSV2
CustomerPartyOrchestrationResponseEBSV2
CustomerPartyResponseEBSV2
ProcessCustomerPartyEBS
SyncCustomerPartyListBRM_01CommsJMSConsumer
SyncCustomerPartyListBRMCommsJMSProducer
SyncOrganizationUCMJMSConsumer
SyncPersonUCMJMSConsumer

```

Verifying Customer MDM: SAP Installation

To verify the Customer MDM: SAP installation:

1. Verify .
2. Confirm that the Customer MDM: SAP components were successfully installed.
 - a.** Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Customer MDM: SAP BPEL processes:

```

SyncCustomerPartyListResponseSAPProvABCImpl
SyncCustomerPartyListResponseUCMProvABCImpl
SyncCustomerPartyListSAPProvABCImpl

```

```
SyncCustomerPartyListUCMProvABCImpl
SyncCustomerSAPReqABCImpl
SyncOrganizationUCMJMSProducer
SyncOrganizationUCMReqABCImpl
TransformAppContextUCMService
```

- b.** Navigate to the **ESB Console** and verify that you can see the following Customer MDM: SAP ESB processes:

```
CustomerPartyEBSV2
CustomerPartyResponseEBSV2
SyncOrganizationUCMJMSConsumer
```

Verifying Product MDM Base Pack Installation

To verify the Product MDM Base Pack installation:

1. Verify .
2. Confirm that the Product MDM Base Pack components were successfully installed.
 - a.** Navigate to the **BPEL Console**. Verify that you can see the following Product MDM Base Pack BPEL processes on the **Dashboard** tab.

```
QueryBillOfMaterialsListPIMAdapter
QueryItemListPIMAdapter
SyncItemCatalogCategoryPIMReqABCImpl
SyncItemListPIMReqABCImpl
SyncSpecificationValueSetListPIMReqABCImpl
```

- b.** On the **ESB Console**, verify that you can see the following Product MDM Base Pack ESB processes in the **Services** menu.

BillOfMaterialsEBS	QueryItemListPIMAdapter
BillOfmaterialsResponseEBS	SpecificationValueSetEBS
ClassificaioInSchemeEBS	SpecificationValueSetResponseEBS
ClassificaioInSchemeResponseEBS	SyncItemCatalogCategoryPIMEventConsumer
CommunicationsItemCompositionEBSV1	SyncItemCatalogCategoryPIMEventConsumer_RS
CommunicationsPriceListEBSV2	SyncItemListPIMReqABCImpl
ItemEBSV2	SyncItemCatalogCategoryPIMReqABCImpl
ItemResponseEBSV2	SyncItemListPIMEventConsumer
PriceListEBSV2	SyncItemListPIMEventConsumer_RS
	SyncSpecificationValueSetListPIMReqABCImpl

PriceListResponseEBSV2	SyncSpecificationValueSetListPIMEventConsumer
QueryBillOfMaterialsListPIMAdapter	SyncSpecificationValueSetListPIMEventConsumer_RS

For more information about the DVMs to be verified, refer to *Oracle Product Master Data Management Integration 2.5 - Implementation Guide*.

Verifying Product MDM: Siebel CRM Installation

To verify the Product MDM: Siebel CRM Installation:

1. Verify .
2. Confirm that the Product MDM: Siebel CRM components were successfully installed.
 - a. Navigate to the **BPEL Console**. Verify that you can see the following Product MDM: Siebel CRM BPEL processes on the **Dashboard** tab.

SyncBillOfMaterialsListSiebelProvABCImpl
 SyncClassificationSchemeListSiebelProvABCImpl
 SyncProductSiebelProvABCImpl
 SyncSpecificationValueSetListSiebelProvABCImpl

- b. On the **ESB Console**, verify that you can see the following Product MDM: Siebel CRM ESB processes in the **Services** menu.

BillOfMaterialsEBS	PriceListResponseEBSV2
BillOfmaterialsResponseEBS	QueryBillOfMaterialsListPIMAdapter
ClassificaioInSchemeEBS	QueryItemListPIMAdapter
ClassificaioInSchemeResponseEBS	SpecificationValueSetEBS
CommunicationsItemCompositionEBSV1	SpecificationValueSetResponseEBS
CommunicationsPriceListEBSV2	SyncBillOfMaterialsListSiebelProvABCImpl
ItemEBSV2	SyncClassificationSchemeListSiebelProvABCImpl
ItemResponseEBSV2	SyncProductSiebelProvABCImpl
PriceListEBSV2	SyncSpecificationValueSetListSiebelProvABCImpl

For more information about the DVMs to be verified, refer to *Oracle Product Master Data Management Integration 2.5 - Implementation Guide*.

Verifying Product MDM: EBS Installation

To verify the Product MDM: EBS installation:

1. Verify .
2. Confirm that the Product MDM: EBS components were successfully installed.
 - a. Navigate to the **BPEL Console**. Verify that you can see the following Product MDM: EBS BPEL processes on the **Dashboard** tab.

SyncBillOfMaterialsListEbizProvABCImpl
SyncItemLEbizProvABCImpl

- b. On the **ESB Console**, verify that you can see the following Product MDM: EBS ESB processes in the Service menu.

BillOfMaterialsEBS	PriceListEBSV2
BillOfmaterialsResponseEBS	PriceListResponseEBSV2
ClassificaioInSchemeEBS	QueryBillOfMaterialsListPIMAdapter
ClassificaioInSchemeResponseEBS	QueryItemLEbizProvABCImpl
CommunicationsItemCompositionEBSV1	SpecificationValueSetEBS
CommunicationsPriceListEBSV2	SpecificationValueSetResponseEBS
ItemEBSV2	SyncBillOfMaterialsListEbizProvABCImpl
ItemResponseEBSV2	SyncItemLEbizProvABCImpl

For more information about the DVMs to be verified, refer to *Oracle Product Master Data Management Integration 2.5 - Implementation Guide*.

Verifying Lead to Order: CRM OD - JDE E1 PIP Installation

To verify the Lead to Order: CRM OD - JDE E1 PIP installation:

1. Verify .
2. Log into the main Application Integration Architecture page.
3. From the Home page, select the **Setup** tab, and then click the **System** in the top menu bar.
4. Verify that a record exists for **JDEE1_01** and **CRM0D_01** in **System Code** column.
5. Click **Configuration** in the top menu bar and verify that these configuration properties exist.

CreateCustomerAddressCRMODReqABCImpl	QueryOpportunityJDEE1ReqABCImpl
CreateCustomerCRMODProvABCImpl	SyncCustomerCRMODProvABCImpl
CreateCustomerCRMODReqABCImpl	SyncCustomerJDEE1ReqABCImpl
CreateCustomerCRMODReqABCImpl	SyncItemListCRMODProvABCImpl
CreateCustomerJDEE1ProvABCImpl	SyncItemListJDEE1ReqABCImpl
CreateCustomerJDEE1ReqABCImpl	UpdateCustomerAddressCRMODReqABCImpl
CreateItemCRMODProvABCImpl	UpdateCustomerCRMODProvABCImpl
CreateItemJDEE1ReqABCImpl	UpdateCustomerCRMODReqABCImpl
DeleteCustomerAddressCRMODReqABCImpl	UpdateCustomerCRMODReqABCImpl
DeleteCustomerCRMODProvABCImpl	UpdateCustomerJDEE1ProvABCImpl
DeleteCustomerCRMODReqABCImpl	UpdateCustomerJDEE1ProvABCImpl
DeleteCustomerJDEE1ProvABCImpl	UpdateCustomerJDEE1ReqABCImpl
DeleteCustomerJDEE1ReqABCImpl	UpdateItemCRMODProvABCImpl
DeleteItemCRMODProvABCImpl	UpdateItemJDEE1ReqABCImpl
DeleteItemJDEE1ReqABCImpl	

6. Log into the Application Server Control page.
7. In the **Members** section of the **Cluster Topology** page, click **oc4j_soa**.
8. Click **Administration** in the top menu bar.
9. Under the **Services** section, click **Go To Task** button in the **JDBC Resources** row.
10. In the **Data Sources** section of the **JDBC Resources** page, verify that the *locOracleCRMODDataSource* exists.
11. In the **Connection Pools** section, verify that **OracleCRMODDataSource** exists.
12. Log into ESB Control to verify that these connector services have been deployed.

JDEE1	EBS
CustomerExtractJDEE1FileConsumer	CustomerPartyEBSV2
CustomerExtractJDEE1FileConsumer_RS	ItemEBSV2
CustomerExtractJDEE1FTPConsumer	SalesOpportunityEBSV1
CustomerExtractJDEE1FTPConsumer_RS	
CustomerJDEE1WASJMSConsumer	CRMOD
CustomerJDEE1WASJMSConsumer_RS	CustomerCRMODRoutingService
ItemExtractJDEE1FileConsumer	SyncCustomerCRMODRoutingService
ItemExtractJDEE1FileConsumer_RS	SyncItemCRMODRoutingService
ItemExtractJDEE1FTPConsumer	
ItemExtractJDEE1FTPConsumer_RS	

ItemJDEE1WASJMSConsumer	
ItemJDEE1WASJMSConsumer_RS	

13. Expand the BPEL node and verify that these BPEL processes have been deployed.

AccountWSEndPointCRMODReqABCSImpl	DeleteItemJDEE1ReqABCSImpl
CreateCustomerAddressCRMODReqABCSImpl	GetCustomerJDEE1WASConnector
CreateCustomerCRMODProvABCSImpl	GetIndustryIdCRMODReqABCSImpl
CreateCustomerCRMODReqABCSImpl	OpportunityWSEndPointCRMODReqABCSImpl
CreateCustomerJDEE1ProvABCSImpl	ProductWSEndPointCRMODReqABCSImpl
CreateCustomerJDEE1ReqABCSImpl	QueryOpportunityCRMODProvABCSImpl
CreateItemCRMODProvABCSImpl	QueryOpportunityJDEE1ReqABCSImpl
CreateItemJDEE1ReqABCSImpl	SyncCustomerCRMODProvABCSImpl
CRMODReqActivationAgent	SyncCustomerJDEE1ReqABCSImpl
CRMODReqGetSession	SyncItemListCRMODProvABCSImpl
CRMODReqIntegrationEventProcessor	SyncItemListJDEE1ReqABCSImpl
CRMODReqReleaseSession	UpdateCustomerAddressCRMODReqABCSImpl
CustomerJDEE1WASConnector	UpdateCustomerCRMODProvABCSImpl
DeleteCustomerAddressCRMODReqABCSImpl	UpdateCustomerCRMODReqABCSImpl
DeleteCustomerCRMODProvABCSImpl	UpdateCustomerJDEE1ProvABCSImpl
DeleteCustomerCRMODReqABCSImpl	UpdateCustomerJDEE1ReqABCSImpl
DeleteCustomerJDEE1ProvABCSImpl	UpdateItemCRMODProvABCSImpl
DeleteCustomerJDEE1ReqABCSImpl	UpdateItemJDEE1ReqABCSImpl
DeleteItemCRMODProvABCSImpl	

14. Under the EBS node, click each item to view and verify the EBS diagram and routing rules.



15. From the ESB Control page, click the Map button  in the top right corner of the page to access Domain Value Maps (DVMs).

16. Review and verify the DVMs for your PIP.

17. Log into the main Application Integration Architecture page.

18. Select **Service Repository** and then click **Integration Scenario** in the top menu bar.

19. On the **Integration Summary** page, click **Search**.

20. Click the link in the **Scenario Name** column to view additional information about the selected ABCS.

Verifying Lead to Order: CRM OD - EBS PIP Installation

To verify the Lead to Order: CRM OD - EBS PIP installation:

1. Verify .
2. Confirm that the Lead to Order: CRM OD - EBS PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Lead to Order: CRM OD - EBS PIP BPEL processes:

BatchLoadCustomerPartyListEbizReqABCImpl	InterfaceSalesQuoteToCustomerEBF
BatchLoadProductEbizReqABCImpl	InterfaceSalesQuoteToFulfillmentEBF
ContactWSEndPointCRMONDemand	MergeAccountEbizReqABCImpl
CreateCustomerAddressCRMODReqABCImpl	MergePartyEbizReqABCImpl
CreateCustomerCRMODReqABCImpl	OpportunityWSEndPointCRMONDemand
CreateCustomerPartyEbizProvABCImpl	OrderWSEndPointCRMONDemand
CreateProductEbizReqABCImpl	ProcessContactCRMODReqABCImpl
CreateSalesOrderEbizProvABCImpl	ProcessSalesOrderCRMODReqABCImpl
CreateSalesQuoteEbizProvABCImpl	ProcessSalesQuoteCRMODReqABCImpl
CRMONDemandActivationAgent	ProductWSEndPointCRMONDemand
CRMONDemandErrorHandlerService	QueryCustomerPartyListCRMODProvABCImpl
CRMONDemandGetSession	QuoteWSEndPointCRMONDemand
CRMONDemandIntegrationEventProcessor	SyncCustomerCRMODProvABCImpl
CRMONDemandPriorityIntegrationEventProcessor	SyncCustomerPartyListEbizProvABCImpl
CRMONDemandReleaseSession	SyncCustomerPartyListEbizReqABCImpl
DeleteCustomerAddressCRMODReqABCImpl	SyncItemListCRMODProvABCImpl
DeleteCustomerCRMODReqABCImpl	TransformAppContextEbizService
GetIndustryIdCRMONDemandProvABCImpl	UpdateCustomerAddressCRMODReqABCImpl
InterfaceCustomerToFulfillmentEBF	UpdateCustomerCRMODReqABCImpl
InterfaceSalesOrderToCustomerEBFV2	UpdateCustomerPartyEbizProvABCImpl
InterfaceSalesOrderToFulfillmentEBF	UpdateProductEbizReqABCImpl

- b. Navigate to the **ESB Console, AIA System** service group. Verify that you can see the following Lead to Order: CRM OD - EBS PIP ESB processes:

AIA System > EBS	CreateSalesQuoteEbizR12VersionAdapter
CustomerPartyEBSV2	MergeAccountEbizEventConsumer
CustomerPartyOrchestrationEBSV2	MergeAccountEbizEventConsumer_RS

CustomerPartyOrchestrationResponseEBSV2	MergePartyEbizEventConsumer
CustomerPartyResponseEBSV2	MergePartyEbizEventConsumer_RS
ItemEBSV2	ProcessSalesOrderEbizAdapter
SalesOrderEBSV2	QueryCustomerPartyEbizAdapter
SalesOrderOrchestrationEBSV2	QueryCustomerPartyListEbizCreateAdapter
SalesOrderOrchestrationResponseEBSV2	QueryCustomerPartyListEbizUpdateAdapter
SalesOrderResponseEBSV2	QueryJTFRResourceSalesPersonAdapter
SalesQuoteEBS	QueryMergeAccountEbizAdapter
SalesQuoteOrchestrationEBS	QueryMergeOrgCustEbizAdapter
SalesQuoteOrchestrationResponseEBS	QueryPartyMergeEbizAdapter
SalesQuoteResponseEBS	QueryRelatedOrgCustEbizAdapter
AIA System > CRMOD	QueryResponsibilityEbizAdapter
ContactCRMODRoutingService	QuerySimpleItemAdapter
CustomerCRMODRoutingService	QuerySimpleItemBatchLoadAdapter
PriorityCRMODRoutingService	QuerySimpleItemUpdateAdapter
AIA System > Ebiz > ABCS	SyncCustomerPartyListEbizAdapter
BatchLoadCustomerPartyListEbizAdapter	SyncCustomerPartyListEbizEventCreateConsumer
BatchLoadCustomerPartyListEbizEventConsumer	SyncCustomerPartyListEbizEventCreateConsumer_RS
BatchLoadCustomerPartyListEbizEventConsumer_RS	SyncCustomerPartyListEbizEventUpdateConsumer
BatchLoadItemEbizEventConsumer	SyncCustomerPartyListEbizEventUpdateConsumer_RS
BatchLoadItemEbizEventConsumer_RS	SyncCustomerPartyListPersonEbizAdapter
CreateItemEbizEventConsumer	UpdateItemEbizEventConsumer
CreateItemEbizEventConsumer_RS	UpdateItemEbizEventConsumer_RS
CreateSalesQuoteEbizAdapter	

Verifying Lead to Order: CRM OD - JDE World PIP Installation

To verify the Lead to Order: CRM OD - JDE World PIP installation:

1. Verify .
2. Log into the main Application Integration Architecture page.
3. Verify that a record exists for **JDEW_01** and **CRMOD_01** in **System Code** column.
4. Click **Configuration** in the top menu bar and verify that these configuration properties exist.

CreateCustomerAddressCRMODReqABCImpl	QueryOpportunityJDEE1ReqABCImpl
CreateCustomerCRMODProvABCImpl	SyncCustomerCRMODProvABCImpl
CreateCustomerCRMODReqABCImpl	SyncCustomerJDEE1ReqABCImpl
CreateCustomerCRMODReqABCImpl	SyncItemListCRMODProvABCImpl
CreateCustomerJDEE1ProvABCImpl	SyncItemListJDEE1ReqABCImpl
CreateCustomerJDEE1ReqABCImpl	UpdateCustomerAddressCRMODReqABCImpl
CreateItemCRMODProvABCImpl	UpdateCustomerCRMODProvABCImpl
CreateItemJDEE1ReqABCImpl	UpdateCustomerCRMODReqABCImpl
DeleteCustomerAddressCRMODReqABCImpl	UpdateCustomerCRMODReqABCImpl
DeleteCustomerCRMODProvABCImpl	UpdateCustomerJDEE1ProvABCImpl
DeleteCustomerCRMODReqABCImpl	UpdateCustomerJDEE1ProvABCImpl
DeleteCustomerJDEE1ProvABCImpl	UpdateCustomerJDEE1ReqABCImpl
DeleteCustomerJDEE1ReqABCImpl	UpdateItemCRMODProvABCImpl
DeleteItemCRMODProvABCImpl	UpdateItemJDEE1ReqABCImpl
DeleteItemJDEE1ReqABCImpl	

5. Log into the **Application Server Control** page.
6. In the **Members** section of the **Cluster Topology** page, click **oc4j_soa**.
7. Click the **Administration** in the top menu bar.
8. Under the **Services** section, click **Go To Task** button in the **JDBC Resources** row.
9. In the **Data Sources** section of the **JDBC Resources** page, verify that the **locOracleCRMODDataSource** exists.
10. In the **Connection Pools** section, verify that **OracleCRMODDataSource** exists.
11. Log into **ESB Control** to verify that these connector services have been deployed.

JDEW	EBS
CustomerExtractJDEE1FileConsumer	CustomerPartyEBSV2
CustomerExtractJDEE1FileConsumer_RS	ItemEBSV2
CustomerExtractJDEE1FTPConsumer	SalesOpportunityEBSV1
CustomerExtractJDEE1FTPConsumer_RS	
CustomerJDEE1WASJMSConsumer	CRMOD
CustomerJDEE1WASJMSConsumer_RS	CustomerCRMODRoutingService
ItemExtractJDEE1FileConsumer	SyncItemCRMODRoutingService
ItemExtractJDEE1FileConsumer_RS	SyncCustomerCRMODRoutingService
ItemExtractJDEE1FTPConsumer	
ItemExtractJDEE1FTPConsumer_RS	

ItemJDEE1WASJMSConsumer	
ItemJDEE1WASJMSConsumer_RS	

12. Expand the BPEL node and verify that these BPEL processes have been deployed.

AccountWSEndPointCRMODProvABCSImpl	DeleteItemJDEE1ReqABCSImpl
CreateCustomerAddressCRMODReqABCSImpl	GetCustomerJDEE1WASConnector
CreateCustomerCRMODProvABCSImpl	GetIndustryIdCRMODProvABCSImpl
CreateCustomerCRMODReqABCSImpl	OpportunityWSEndPointCRMODProvABCSImpl
CreateCustomerJDEE1ProvABCSImpl	ProductWSEndPointCRMODProvABCSImpl
CreateCustomerJDEE1ReqABCSImpl	QueryOpportunityCRMODProvABCSImpl
CreateItemCRMODProvABCSImpl	QueryOpportunityJDEE1ReqABCSImpl
CreateItemJDEE1ReqABCSImpl	SyncCustomerCRMODProvABCSImpl
CRMODProvABCSImpl	SyncCustomerJDEE1ReqABCSImpl
CRMODReqABCSImpl	SyncItemListCRMODProvABCSImpl
CRMODReqABCSImpl	SyncItemListJDEE1ReqABCSImpl
CRMODReqABCSImpl	UpdateCustomerAddressCRMODReqABCSImpl
CRMODReqABCSImpl	UpdateCustomerCRMODProvABCSImpl
CRMODReqABCSImpl	UpdateCustomerCRMODReqABCSImpl
CRMODReqABCSImpl	UpdateCustomerJDEE1ProvABCSImpl
CRMODReqABCSImpl	UpdateCustomerJDEE1ReqABCSImpl
CRMODReqABCSImpl	UpdateItemCRMODProvABCSImpl
CRMODReqABCSImpl	UpdateItemJDEE1ReqABCSImpl
CRMODReqABCSImpl	

13. Under the EBS node, click each item to view and verify the EBS diagram and routing rules.



14. From the ESB Control page, click the **Map** button in the top right corner of the page to access Domain Value Maps (DVMs).

15. Review and verify the DVMs for your PIP.

16. Log into the main Application Integration Architecture page.

17. Select **Service Repository** and then click **Integration Scenario** in the top menu bar.

18. On the **Integration Summary** page, click **Search**.

19. Click the link in the **Scenario Name** column to view additional information about the selected ABCS.

Verifying Financials Ops Control: Oracle Retail - PSFT PIP Installation

To verify the Financials Ops Control: Oracle Retail - PSFT PIP installation, perform the following tasks:

1. Verify .
2. Confirm that the Financials Ops Control: Oracle Retail - PSFT PIP components are successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard** and verify that you can see Financials Ops Control: Oracle Retail - PSFT PIP BPEL processes.

CreatePaymentTermPeopleSoftReqABCImpl	SyncCurrencyExchangeListRetailProvABCImpl
CreatePaymentTermRetailProvABCImpl	SyncCurrencyExchangeListRetailProvJMSProducer
CreateSupplierPartyPeopleSoftReqABCImpl	SyncPaymentTermListPeopleSoftReqABCImpl
CreateSupplierPartyRetailProvABCImpl	SyncPaymentTermListRetailProvABCImpl
CurrencyExchangePeopleSoftJMSProducer	SyncSupplierPartyListPeopleSoftReqABCImpl
PaymentTermPeopleSoftJMSProducer	SyncSupplierPartyListRetailProvABCImpl
ProcessGLAccountValidationPeopleSoftProvABCImpl	UpdatePaymentTermPeopleSoftReqABCImpl
ProcessGLAccountValidationRetailReqABCImpl	UpdatePaymentTermRetailProvABCImpl
SupplierPartyPeopleSoftJMSProducer	UpdateSupplierPartyPeopleSoftReqABCImpl
SyncCurrencyExchangeListPeopleSoftReqABCImpl	UpdateSupplierPartyRetailProvABCImpl

- b. Navigate to the **ESB Console**. Verify that you can see Financials Ops Control: Oracle Retail - PSFT PIP ESB services in the **Services** menu under the corresponding service groups:

ChartOfAccountsEBS	SyncPaymentTermListPeopleSoftJMSConsumer
CreatePaymentTermPeopleSoftJMSConsumer	SyncPaymentTermListPeopleSoftJMSConsumer_RS
CreatePaymentTermPeopleSoftJMSConsumer_RS	SyncSupplierPartyPeopleSoftJMSConsumer
CreateSupplierPartyPeopleSoftJMSConsumer	SyncSupplierPartyPeopleSoftJMSConsumer_RS
CreateSupplierPartyPeopleSoftJMSConsumer_RS	Under AIASystem/EBS:
CurrencyExchangeEBS	Under AIASystem/PeopleSoft/ABCS
PaymentTermEBS	UpdatePaymentTermPeopleSoftJMSConsumer
SupplierPartyEBS	UpdatePaymentTermPeopleSoftJMSConsumer_RS
SyncCurrencyExchangeListPeopleSoftJMSConsumer	UpdateSupplierPartyPeopleSoftJMSConsumer
SyncCurrencyExchangeListPeopleSoftJMSConsumer_RS	UpdateSupplierPartyPeopleSoftJMSConsumer_RS

3. Confirm that the Financials Ops Control: Oracle Retail - PSFT PIP queues (JMS) are installed.
 - a. To verify the JMS Queues, connect to the SOA database with the user ID and password jmsqueue/jmsqueue.

You can connect to the SOA database using tools such as SQL PLUS. It is not mandatory that you use JDeveloper to connect to the SOA database.

- b. After the connection is established, drill down and verify that the following queues exist:

AIA_CURREXJMSQUEUE – This is the queue used between the CurrencyExchangePeopleSoftJMSProducer and CurrencyExchangePeopleSoftJMSConsumer.

AIA_PAYMENTTERMJMSQUEUE – This is the queue used between the PaymentTermPeopleSoftJMSProducer and PaymentTermPeopleSoftJMSConsumer.

AIA_SUPPLIERJMSQUEUE - This is the queue used between the SupplierPartyPeopleSoftJMSProducer and SupplierPartyPeopleSoftJMSConsumer.

4. Confirm that the DrillBackForward web service is installed:

- a. Navigate to the Application Server Console: *http://<server name>:<port number>/launchpad.html*.
- b. Select the Application Server Control option.
- c. Log in with the server administrator user name. To find this information, contact the system administrator.
- d. Click **oc4j** instance under **Application Servers**.
- e. Verify that in the **Web Services** tab, the **GetDrillBackForwardURL** web service is available with port name **DrillBackForwardURLService**.

5. Confirm that necessary configuration properties exist.

- a. Navigate to the AIA home location. For example, *http://<host_name>:<port>/AIA/faces/home.jspx*
- b. Navigate to **Setup, Configuration** and check for the following configuration properties:

CreatePaymentTermPeopleSoftReqABCSImpl	SyncPaymentTermListPeopleSoftReqABCSImpl
CreatePaymentTermRetailProvABCSImpl	SyncPaymentTermListRetailProvABCSImpl
CreateSupplierPartyPeopleSoftReqABCSImpl	SyncSupplierPartyListPeopleSoftReqABCSImpl
CreateSupplierPartyRetailProvABCSImpl	SyncSupplierPartyListRetailProvABCSImpl
ProcessGLAccountValidationPeopleSoftProvABCSImpl	UpdatePaymentTermPeopleSoftReqABCSImpl
ProcessGLAccountValidationRetailReqABCSImpl	UpdatePaymentTermRetailProvABCSImpl
SyncCurrencyExchangeListPeopleSoftReqABCSImpl	UpdateSupplierPartyPeopleSoftReqABCSImpl
SyncCurrencyExchangeListRetailProvABCSImpl	UpdateSupplierPartyRetailProvABCSImpl

6. Verify Integration Scenarios.

- a. Navigate to the AIA home location. For example, *http://<host_name>:<port>/AIA/faces/home.jspx*
- b. Navigate to **Service Repository, Integration Scenario** and click **Search**.

Create PaymentTerm PeopleSoft Requestor	Sync PaymentTerm PeopleSoft Requestor
Create PaymentTerm Retail Provider	Sync PaymentTerm Retail Provider

Create SupplierParty PeopleSoft Requestor	Sync SupplierParty PeopleSoft Requestor
Create SupplierParty Retail Provider	Sync SupplierParty Retail Provider
Process GL Account Validation PeopleSoft Provider	Update PaymentTerm PeopleSoft Requestor
Process GL Account Validation Retail Requestor	Update PaymentTerm Retail Provider
ProcessGLAccountValidationRetailReqABCImpl	Update SupplierParty PeopleSoft Requestor
Sync CurrencyExchangeList PeopleSoft Requestor	Update SupplierParty Retail Provider
Sync CurrencyExchangeList Retail Provider	

7. Verify that 32 ABCSs have been published.

- a. Navigate to the AIA home location. For example,
http://<host_name>:<port>/AIA/faces/home.jspx
- b. Navigate to **Service Repository**, type **%ABCS%** in the **Service Name** field and click **Search**.

CreatePaymentTermPeopleSoftReqABCImpl	SyncPaymentTermListPeopleSoftReqABCImpl
CreatePaymentTermPeopleSoftReqABCImplExt	SyncPaymentTermListPeopleSoftReqABCImplExt
CreatePaymentTermRetailProvABCImpl	SyncPaymentTermListRetailProvABCImpl
CreatePaymentTermRetailProvABCImplExt	SyncPaymentTermListRetailProvABCImplExt
CreateSupplierPartyPeopleSoftReqABCImpl	SyncSupplierPartyListPeopleSoftReqABCImpl
CreateSupplierPartyPeopleSoftReqABCImplExt	SyncSupplierPartyListPeopleSoftReqABCImplExt
CreateSupplierPartyRetailProvABCImpl	SyncSupplierPartyListRetailProvABCImpl
CreateSupplierPartyRetailProvABCImplExt	SyncSupplierPartyListRetailProvABCImplExt
ProcessGLAccountValidationPeopleSoftProvABCImpl	UpdatePaymentTermPeopleSoftReqABCImpl
ProcessGLAccountValidationPeopleSoftProvABCImplExt	UpdatePaymentTermPeopleSoftReqABCImplExt
ProcessGLAccountValidationRetailReqABCImpl	UpdatePaymentTermRetailProvABCImpl
ProcessGLAccountValidationRetailReqABCImplExt	UpdatePaymentTermRetailProvABCImplExt
SyncCurrencyExchangeListPeopleSoftReqABCImpl	UpdateSupplierPartyPeopleSoftReqABCImpl
SyncCurrencyExchangeListPeopleSoftReqABCImplExt	UpdateSupplierPartyPeopleSoftReqABCImplExt
SyncCurrencyExchangeListRetailProvABCImpl	UpdateSupplierPartyRetailProvABCImpl
SyncCurrencyExchangeListRetailProvABCImplExt	UpdateSupplierPartyRetailProvABCImplExt

ODI Topology

1. Verify the following connections are accurate in the Physical Architecture tab.

- a. Launch ODI Topology Manager and navigate to **Physical Architecture** tab.
- b. Expand **XML** node and double click **AIA Configuration PropertiesDS**.
- c. Click **JDBC** tab and check for the connection *<AIA_HOME>/config/AIAConfigurationProperties.xml*

- d. Similarly find the following data servers based on the technology and artifact name. The first row in the table is used as an example.

Artifact imported	Connection	Technology
CONN_AIAConfigurationPropertiesDS.xml	<AIA_HOME>/config/ AIAConfigurationProperties.xml	XML
CONN_AIASCHEMADS.xml	AIA database connection	Oracle
CONN_BusinessUnitGLDS.xml	Path to exported DVM BUSINESS_UNIT.xml	XML
CONN_CurrencyCodeDS.xml	Path to exported DVM CURRENCY_CODE.xml	XML
CONN_ExchangeRateTypeDS.xml	Path to exported DVM CURRENCYEXCHANGE_CONVERSIONTYPECODE.xml	XML
CONN_ORACLERETAILDS.xml	Oracle Retail database connection	Oracle
CONN_PEOPLESOFTDS.xml **	PeopleSoft database connection	Oracle
CONN_PSFT_DB2_DS **	PeopleSoft database connection	IBM DB2 UDB

2. Verify the context in the **Contexts** tab.

If PeopleSoft system is under an Oracle database, the name of the artifact imported is **RETL_TO_PSFT.xml**. If the PeopleSoft system is under an IBM DB2 database, then the context imported is **CONT_RETL_TO_PSFT_DB2.xml**.

- a. Launch ODI Topology Manager and navigate to **Contexts** tab.
b. Double click **RETL_TO_PSFT** and navigate to **Schema** tab.

The following table describes the imported artifacts:

Artifact imported	Description
CONT_RETL_TO_PSFT.xml Or CONT_RETL_TO_PSFT_DB2.xml	<p>Holds the correlation between logical schemas and physical ones.</p> <p>Verify the following schemas associations are set up. You may see more schemas than the ones here. The PIP processes ignore these additional schemas.</p> <p>AIAConfigSchema</p> <p>BusinessUnitGL</p> <p>Currency</p> <p>ESB_XREF</p> <p>Exchange Rate</p> <p>PSFT_DB2_LogicalSchema</p> <p>PeopleSoft</p> <p>Retail</p>

Note: If PeopleSoft system is connected to an Oracle database, associate the Logical schema **PeopleSoft** with Physical schema. If it is under IBM DB2, then associate **PSFT_DB2_Logical Schema** to a Physical schema.

3. Verify the following **Logical Data Servers** are imported in the **Logical Architecture** tab.
 - a. Launch ODI Topology Manager and navigate to **Logical Architecture** tab.
 - b. Expand **XML** node and double click **AIA Config Schema**.
 - c. Click **Definition** tab check whether the **RETL_TO_PSFT** context has **AIA Configuration** properties DS physical schema associated.
 - d. Similarly find the following logical data servers based on the technology and artifact name. The first row in the table is used as an example.

Artifact imported	Description	Technology
LSC_AIAConfigSchema.xml	<AIA_HOME>/config/ AIAConfigurationProperties.xml	XML
LSC_BusinessUnitGL.xml	Exported DVM BUSINESS_UNIT.xml	XML
LSC_Currency.xml	Exported DVM CURRENCY_CODE.xml	XML
LSC_ESB_XREF.xml	AIA database connection	Oracle
LSC_ExchangeRate.xml	Exported DVM CURRENCYEXCHANGE_CONVERSIONTYPECODE.xml	XML
LSC_Retail.xml	Oracle Retail database	Oracle
LSC_Peoplesoft.xml	PeopleSoft database for Oracle database	Oracle
LSC_PSFT_DB2_LogicalSchema.xml	PeopleSoft database for IBM DB2 database	IBM DB2 UDB

ODI Designer

1. Launch ODI Designer and verify the following models are imported in the **Models** tab.

Oracle Retail To PeopleSoft

RMS To PeopleSoft Accounting Entry

ReIM To PSFT Invoice

ReIM To PeopleSoft Accounting Entry

2. Launch ODI Designer and verify the following projects are imported in the **Projects** tab.

RMS To PSFT Acct Entry Project

ReIM To PSFT Acct Entry Project

ReIM To PeopleSoft Invoice Project

3. Verify the path to the AIAConfigurationProperties.xml is correctly set up for **RMS to PSFT AcctEntry** project.
 - a. Expand **RMS to PSFT AcctEntry** and **Procedures**.
 - b. Double-click the **Load AIA Configuration Properties XML** procedure.
 - c. Double-click the command **LoadAIAConfigXML** in the **Details** tab.
 - d. Under **Definition** tab, click **Command** on **Source** sub tab.

- e. Verify the path to **AIAConfigurationProperties.xml** is accurate.

Using the same procedure verify the path for the following Exported DVMs:

Load Business Unit GL DVM XML

Load Currency Code DVM XML

- f. Verify the path to the **AIAConfigurationProperties.xml** is correctly set up for **ReIM To PSFT Acct Entry** project.

- g. Verify the path to the Exported DVMs:

Load Business Unit GL DVM XML

Load Currency Code DVM XML

- h. Verify the path to the **AIAConfigurationProperties.xml** is correctly set up for **ReIM To PeopleSoft Invoice** project

- i. Verify the path to the Exported DVMs:

Load Business Unit GL DVM XML

Load Currency Code DVM XML

4. Verify the WSDL URL for **ErrorNotification** step name is accurate for **AIAAsyncErrorHandlingBPELProcess** in the **Load RMS To PSFT Acct Entry Package**:

- a. Launch ODI Designer.
- b. Go to **Projects** tab.
- c. Double click **Load RMS To PSFT Acct Entry Package**.
- d. Select the **Diagram** tab.
- e. Click the **Error Notification** icon.
- f. In the **Properties** frame under **General** tab verify the WSDL URL user and password are accurate
- g. Verify the WSDL URL for **ErrorNotification** step name is accurate for **AIAAsyncErrorHandlingBPELProcess** in the **Load ReIM to PSFT AcctEntry PKG**
- h. Verify the WSDL URL for **OdilInvokeWebService** 5-step name is accurate for **AIAAsyncErrorHandlingBPELProcess** in the **Load RETL Invoices To PSFT Pkg**.

Error Messages During Financials Ops Control: Oracle Retail - PSFT PIP Installation

When installing the Financials Ops Control: Oracle Retail - PSFT PIP, you might encounter the following errors:

- Failed to execute: Create user xxxxx identified by yyyy
- Unique Constraint Violation

Failed to execute: Create user xxxxx identified by yyyy

AIA Installer displays this error message in the log file if the install script attempts to create a database username for an existing database user name. You can ignore this message and continue with the install process.

The installer displays the following message when it finds an identical database user name:

```
ODIInstall_CreateDBSchemaWorkRep:
[echo] ~~~~~
[echo] Creating ODI Work Repository DB User: xxxxx
[sql] Executing commands
[sql] Failed to execute: create user xxxxx identified by yyyy
[sql] java.sql.SQLException: ORA-01920: user name 'xxxxx' conflicts
with another user or role name
[sql] 1 of 2 SQL statements executed successfully
[echo] Done creating DB User for ODI Work Repository: xxxxx
[echo] ~~~~~
```

Note: xxxxx refers to the database username provided for ODI Work Repository and yyyy is the password.

Unique Constraint Violation

AIA Installer displays this error message in the log file if the ODI data source **xxxxx** already exists in the ODI master repository. The ODI data source is defined in Topology in the Physical Architecture tab. This error occurs when the Financials Ops Control: Oracle Retail - PSFT PIP is reinstalled.

The installer displays the following message when it finds an identical ODI data source:

```
[echo] - Importing CONN_XXXXX.xml
[exec] OracleDI: Starting Command : OdiImportObject -
FILE_NAME=<AIA_HOME>/PIPS/Core/DIS/RetailToPSFTFin/ODI Master
Repository/CONN_XXXXX.xml -IMPORT_MODE=SYNONYM_INSERT_UPDATE ...
[exec] java.sql.SQLException: ORA-00001: unique constraint (SNPM.PK_MTXT)
violated
```

This error will not stop the install process. The process will import the remaining ODI PIP artifacts into the ODI; however, it is important to verify the accuracy of the connections for these ODI data sources. To resolve this issue, verify that the connections and associated logical schemas in the ODI topology are accurate.

Verifying Financials Ops Control: Oracle Retail - EBS PIP Installation

To verify the Financials Ops Control: Oracle Retail - EBS PIP installation:

1. Verify .
2. Confirm that the Financials Ops Control: Oracle Retail - EBS PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Financials Ops Control: Oracle Retail - EBS PIP BPEL processes:

CurrencyExchangeListEbizJMSProducer
 InitialLoadSupplierPartyListEbizAdapter
 ProcessGLAccountValidationEbizProvABCImpl
 ProcessGLAccountValidationRetailReqABCImpl
 SupplierPartyListEbizJMSProducer
 SyncCurrencyExchangeListEbizReqABCImpl
 SyncCurrencyExchangeListRetailProvABCImpl
 SyncCurrencyExchangeListRetailProvJMSProducer
 SyncSupplierPartyListEbizReqABCImpl
 SyncSupplierPartyListRetailProvABCImpl
 UpdateAccountingEntryListEbizXref
 UpdatePayableInvoiceListEbizXref

- b. Navigate to the **ESB Console, AIASystem** service group. Verify that you can see the following Financials Ops Control: Oracle Retail - EBS ESB processes:

ChartOfAccountsEBS
 CurrencyExchangeEBS
 CurrencyExchangeListEbizJMSProducer
 CurrencyExchangeListEbizJMSProducer_RS
 GetChartOfAccountsIdEbizAdapter
 ProcessGLAccountValidationEbizAdapter
 SupplierPartyEBS
 SyncCurrencyExchangeListEbizAdapter
 SyncCurrencyExchangeListEbizAdapter_RS
 SyncSupplierPartyListEbizAdapte
 SyncSupplierPartyListEbizAdapte_RS

SyncSupplierPartyListEbizJMSConsumer
 SyncSupplierPartyListEbizJMSConsumer_RS
 Under AIASystem/Ebiz/ABCS

3. Check the configurations in *\$SOAHOME/config/AIAConfigurationProperties.xml* for the following

SyncCurrencyExchangeListEbizReqABCImpl

SyncSupplierPartyListEbizReqABCImpl

ProcessGLAccountValidationEbizProvABCImpl

4. Confirm that the Financials Ops Control: Oracle Retail - EBS PIP queues (JMS) are installed.

- a.** To verify the JMS Queues, connect to the SOA database with the user ID and password jmsuser/jmsuser.

You can connect to the SOA database using tools such as SQL PLUS. It is not mandatory that you use JDeveloper to connect to the SOA database.

- b.** After your connection is established, drill down and verify that the following queues exist:

AIA_CURREXJMSQUEUE – This is the queue used between the CurrencyExchangeEbizJMSProducer and CurrencyExchangeEbizJMSConsumer.

AIA_EBIZSUPPJMSQUEUE - This is the queue used between the SupplierPartyListEbizJMSProducer and SupplierPartyEbizJMSConsumer.

5. Verify events subscription

- a.** Login to Oracle E-Business Suite with sysadmin credentials and follow the steps to verify currency exchange.

- I. Click **Business Events** link.
- II. Input *oracle.apps.gl.CurrencyConversionRates.dailyRate.specify* to query the event state. If the state is disabled, enable it.
- III. Check the subscription of the event; it should have a subscription that the out agent is WF_BPEL_QAGENT.
- IV. Check whether the **Advanced Queue** has the **WF_BPEL_Q** queue.
- V. Return to home page.
- VI. Click **Workflow Manager** link.
- VII. Click **Show** link under **Agent Activity** text.
- VIII. Click any bar in the graph. It should have **WF_BPEL_Q**.

- b.** Using the same steps check the following events

oracle.apps.ap.supplier.event

oracle.apps.gl.Journals.journal.completelImport. Here Rule Data should be Message.

oracle.apps.ap.invoice.import

ODI Topology

1. Verify the following connections are accurate in the Physical Architecture tab.
 - a. Launch ODI Topology Manager and navigate to **Physical Architecture** tab.
 - b. Expand **XML** node and double click **AIA Configuration PropertiesDS**.
 - c. Click **JDBC** tab and check for the connection `<AIA_HOME>/config/AIAConfigurationProperties.xml`
 - d. Similarly find the following data servers based on the technology and artifact name. The first row in the table is used as an example.

Artifact imported	Connection	Technology
CONN_AIAConfigurationPropertiesDS.xml	<AIA_HOME>/config/ AIAConfigurationProperties.xml	XML
CONN_AIASCHEMADS.xml	AIA database connection	Oracle
CONN_BusinessUnitDS.xml	Path to exported DVM BUSINESS_UNIT.xml	XML
CONN_CurrencyCodeDS.xml	Path to exported DVM CURRENCY_CODE.xml	XML
CONN_EBIZDS.xml	Oracle Ebiz database connection	Oracle
CONN_RETAILDS.xml	Oracle Retail database connection	Oracle
CONN_TaxCodeDS.xml	Path to exported DVM PAYABLEINVOICE_PAYABLEINVOICELINETAXVATCODE.xml	XML
CONN_CurrencyConvTypeDS.xml	Path to exported DVM CURRENCYEXCHANGE_CONVERSIONTYPEPECODE.xml	XML

2. Verify the context in the Contexts tab,

The name of the artifact imported is **RETL_TO_EBIZ.xml**. Launch ODI Topology Manager and navigate to **Contexts** tab.

- a. Double click **RETL_TO_EBIZ** and navigate to **Schema** tab.

The following table describes the imported artifacts:

Artifact imported	Description
CONT_RETL_TO_EBIZ.xml	<p>Holds the correlation between logical schemas and physical ones.</p> <p>Verify the following schemas associations are set up. You may see more schemas than the ones here. The PIP processes ignore these additional schemas.</p> <p>AIAConfigSchema</p> <p>BusinessUnit</p> <p>Currency</p> <p>CurrencyType</p> <p>EBIZ_AP</p> <p>EBIZ_GL</p>

Artifact imported	Description
	ESB_XREF Retail TaxCode

3. Verify the following Logical Data Servers are imported in the Logical Architecture tab.

- Launch ODI Topology Manager and navigate to **Logical Architecture** tab.
- Expand **XML** node and double click **AIA Config Schema**.
- Click **Definition** tab check whether the **RETL_TO_EBIZ** context has AIA Configuration properties DS physical schema associated.
- Similarly find the following logical data servers based on the technology and artifact name. The first row in the table is used as an example.

Artifact imported	Description	Technology
LSC_AIAConfigSchema.xml	<AIA_HOME>/config/ AIAConfigurationProperties.xml	XML
LSC_BusinessUnit.xml	Exported DVM BUSINESS_UNIT.xml	XML
LSC_Currency.xml	Exported DVM CURRENCY_CODE.xml	XML
LSC_CurrencyType.xml	Exported DVM CURRENCYEXCHANGE_CONVERSIONTYPEPECODE.xml	XML
LSC_TaxCode.xml	Exported DVM PAYABLEINVOICE_PAYABLEINVOICELINETAXVATCODE.xml	XML
LSC_ESB_XREF.xml	AIA database connection	Oracle
LSC_Retail.xml	Oracle Retail database	Oracle
LSC_EBIZ_AP.xml	Ebiz database for AP	Oracle
LSC_EBIZ_GL.xml	Ebiz database for GL	Oracle

ODI Designer

1. Launch ODI Designer and verify the following models are imported in the **Models** tab.

Retail To EBIZ

Retail to EBIZ Acc Entry - RMS

Retail to EBIZ Acc Entry - ReIM

Retail to EBIZ Invoice Entry

2. Launch ODI Designer and verify the following projects are imported in the **Projects** tab.

RMS To EBIZ Acc Entry Project

ReIM To EBIZ Acc Entry Project

ReIM To EBIZ Invoice Entry Project

3. Verify the path to the **AIAConfigurationProperties.xml** is correctly set up for **RMS To EBIZ Acc Entry Project**

- a. Expand **RMS To EBIZ Acc Entry Project** and **Procedures**.
- b. Double-click the **Load AIA Configuration Properties XML** procedure.
- c. Double-click the command **LoadAIAConfigXML** in the **Details** tab.
- d. Under **Definition** tab, click **Command** on **Source** sub tab.
- e. Verify the path to **AIAConfigurationProperties.xml** is accurate.

Using the same procedure, verify the path for the following exported DVMs:

Load Business Unit DVM XML

Load Currency Code DVM XML

Load Currency Type DVM XML

- f. Verify the path to the **AIAConfigurationProperties.xml** is correctly set up for **ReIM To EBIZ Acc Entry Project**
- g. Verify the path to the exported DVMs:

Load Business Unit DVM XML

Load Currency Code DVM XML

Load Currency Type DVM XML

- h. Verify the path to the **AIAConfigurationProperties.xml** is correctly set up for **ReIM To EBIZ Invoice Entry Project** Verify the path to the Exported DVMs:

Load Business Unit DVM XML

Load Currency Code DVM XML

Load Currency Type DVM XML

Load Tax Code DVM XML

4. Verify the WSDL URL for **ErrorNotification** step name is accurate for **AIAAsyncErrorHandlingBPELProcess** in the **Load RMS To PSFT Acct Entry Package**:

- a. Launch ODI Designer.
- b. Go to **Projects** tab.
- c. Double click **Load RMS To EBIZ Acc Entry Package**.
- d. Select the **Diagram** tab.
- e. Click the **Error Notification** icon.
- f. In the **Properties** frame under **General** tab verify the WSDL URL user and password are accurate
- g. Verify the WSDL URL for **ErrorNotification** step name is accurate for **AIAAsyncErrorHandlingBPELProcess** in the **Load ReIM to EBIZ AcctEntry PKG**

- h. Verify the WSDL URL for **OdilnvokeWebService** 5-step name is accurate for **AIAAsyncErrorHandlerBPELProcess** in the **Load RETL Invoices To PSFT Pkg**.

Error Messages During Financials Ops Control: Oracle Retail - EBS PIP Installation

When installing the Financials Ops Control: Oracle Retail - EBS PIP, you might encounter the following errors:

- Failed to execute: Create user xxxxx identified by yyyy
- Unique Constraint Violation

Failed to execute: Create user xxxxx identified by yyyy

AIA Installer displays this error message in the log file if the install script attempts to create a database username for an existing database user name. You can ignore this message and continue with the install process.

The installer displays the following message when it finds an identical database user name:

```
ODIInstall_CreateDBSchemaWorkRep:

[echo] ~~~~~
[echo] Creating ODI Work Repository DB User: xxxxx
[sql] Executing commands
[sql] Failed to execute:  create user xxxxx identified by yyyy
[sql] java.sql.SQLException: ORA-01920: user name 'xxxxx' conflicts
with another user or role name
[sql] 1 of 2 SQL statements executed successfully
[echo] Done creating DB User for ODI Work Repository: xxxxx
[echo] ~~~~~
```

Note: xxxxx refers to the database username provided for ODI Work Repository and yyyy is the password.

Unique Constraint Violation

AIA Installer displays this error message in the log file if the ODI data source **xxxxx** already exists in the ODI master repository. The ODI data source is defined in Topology in the Physical Architecture tab. This error occurs when the Financials Ops Control: Oracle Retail - EBS PIP is reinstalled.

The installer displays the following message when it finds an identical ODI data source:

```
[echo] - Importing CONN_XXXXXX.xml
```

```
[exec] OracleDI: Starting Command : OdiImportObject -
FILE_NAME=<AIA_HOME>/PIPS/Core/DIS/RetailToEBSin/ODI Master
Repository/CONN_XXXXXX.xml -IMPORT_MODE=SYNONYM_INSERT_UPDATE ...

[exec] java.sql.SQLException: ORA-00001: unique constraint (SNPM.PK_MTXT)
violated
```

This error will not stop the install process. The process will import the remaining ODI PIP artifacts into the ODI; however, it is important to verify the accuracy of the connections for these ODI data sources. To resolve this issue, verify that the connections and associated logical schemas in the ODI topology are accurate.

Verifying Financial Accounting Hub for PSFT GL PIP Installation

To verify the Financial Accounting Hub for PSFT GL PIP installation:

1. Verify .
2. Confirm that the Financial Accounting Hub for PSFT GL PIP components were successfully installed.
 - a. Navigate to the **BPEL Console**. Verify that you can see Financial Accounting Hub for PSFT GL PIP BPEL processes on the **Processes** tab:

```
AccountingPeriodPeopleSoftJMSProducer
CurrencyExchangePeopleSoftJMSProducer
DeleteAccountingEntryListEbizProvABCImpl
DeleteAccountingEntryListPeopleSoftReqABCImpl
DeleteAccountingEntryPeopleSoftJMSProducer
ProcessAccountingPeriodOpenWindowListEbizProvABCImpl
ProcessAccountingPeriodPeopleSoftReqABCImpl
ProcessGLAccountValidationEbizReqABCImpl
ProcessGLAccountValidationPeopleSoftProvABCImpl
SyncAccountGLElementValueSetListEbizProvABCImpl
SyncAccountGLElementValueSetListPeopleSoftJMSProducer
SyncAccountGLElementValueSetListPeopleSoftReqABCImpl
SyncCurrencyExchangeListEbizProvABCImpl
SyncCurrencyExchangeListPeopleSoftReqABCImpl
SyncGLElementValueSetListEbizProvABCImpl
SyncGLElementValueSetListPeopleSoftReqABCImpl
SyncGLElementValueSetPeopleSoftJMSProducer
```

- b. Navigate to the **ESB Console**. Verify that you can see ESB services in the **Services** menu under the corresponding service groups:

<p>Under AIASystem > PeopleSoft > ABCS</p> <p>DeleteAccountingEntryListPeopleSoftJMSConsumer</p> <p>DeleteAccountingEntryPeopleSoftConsumer_RS</p> <p>ProcessAccountingPeriodPeopleSoftJMSConsumer</p> <p>ProcessAccountingPeriodPeopleSoftJMSConsumer_RS</p> <p>SyncAcctGLElementValueSetPeopleSoftJMSConsumer</p> <p>SyncAcctGLElementValueSetPeopleSoftJMSConsumer_RS</p> <p>SyncAcctGLElementValueSetPeopleSoftReqABCImpl</p> <p>SyncCurrencyExchangeListPeopleSoftJMSConsumer</p> <p>SyncCurrencyExchangeListPeopleSoftJMSConsumer_RS</p> <p>SyncGLElementValueSetPeopleSoftJMSConsumer</p> <p>SyncGLElementValueSetPeopleSoftJMSConsumer_RS</p> <p>Under AIASystem -> EBS:</p> <p>AccountGLElementValueSetEBS</p> <p>AccountGLElementValueSetResponseEBS</p> <p>AccountingEntryEBS</p> <p>AccountingEntryResponseEBS</p> <p>AccountingPeriodEBS</p> <p>AccountingPeriodResponseEBS</p> <p>ChartOfAccountsEBS</p> <p>CurrencyExchangeEBS</p> <p>CurrencyExchangeResponseEBS</p> <p>GLElementValueSetEBS</p> <p>GLElementValueSetResponseEBS</p>	<p>Under AIASystem > Ebiz > ABCS</p> <p>AccountingPeriodOpenWindowRouter</p> <p>AccountingPeriodOpenWindowService</p> <p>DeleteAccountingEntryListRouter</p> <p>DeleteAccountingEntryListService</p> <p>PostSyncCurrencyExchangeListener</p> <p>PostSyncCurrencyExchangeListener_RS</p> <p>PurgeCurrencyExchangeListRouter</p> <p>PurgeCurrencyExchnageListService</p> <p>SyncChartOfAccountSegmentValuesRouter</p> <p>SyncChartOfAccountSegmentValuesService</p> <p>SyncCurrencyExchangeListRouter</p> <p>SyncCurrencyExchangeListService</p>
---	---

c. Navigate to the **ESB Console. Verify that you can see FAH PIP Domain Value Maps in the **Maps** tab:**

ACCOUNTGLEMENTVALUESSET_ACCOUNT_TYPE_CODE

APPS_USER

BUSINESS_UNIT

CHARTOFACCOUNTS_GLELEMENT

CHARTOFACCOUNTS_NAME

CURRENCYEXCHANGE_CONVERSIONTYPECODE

CURRENCY_CODE

EBIZ_CURR_CONVTYPECODE_DURATION

EBIZ_SEGMENT_DEFAULT_VALUES

GLELEMENTVALUESET_CONTROL_ACCOUNT_INDICATOR_TYPE JGEN_TEMPLATE LANGUAGE_CODE VALUESET_NAME

3. Navigate to the **Application Server Control**. Click on the URLGenerator application under your OC4J instance. The web service should be listed with under the **Port Name** column and **URLGenerator** under the **Web Service** column.
4. For ODI Verification, check the following solution components, ODI Metadata Navigator:
<http://<hostname>:<port>/oracledimn/> [username/password as provided by your system administrator].
 Click **Executions**, **Scenarios** on the left menu. The following scenarios should be present.

LOADBUSINESSUNITGLDVM

LOADCURRENCYCODEDVM

LOADCURRENCYRATEDVM

LOADJGTEMPLATEDVM

LOAD_ORACLE_FSAH_TO_PSFT_GL

5. Click **Topology** , **Data Servers** on the left menu and check for

The Data Servers Business Unit GL DS

Currency Code DS, Currency Rate DS

Journal Generator Template DS

Oracle FSAH Interface DS

PeopleSoft GL Interface DS.

6. Click **Topology**, **Logical Schemas** on the left menu and check for

Business Unit GL

Currency Code

Currency Rate

Journal Generator Template

Oracle FSAH and PeopleSoft GL

7. Click **Topology**, **Contexts** on the left menu and check for **Oracle FSAHToPSFTGL** Context.
8. Click **Topology**, **Physical Agent and Logical Agents** on the left menu and check for **Oracle FSAH to PSFT GL Agent**.
9. Click **MetaData**, **Projects** on the left menu and check for **FSAH Integration To PeopleSoft GL Project** to verify the contents.

Verifying Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP Installation

To verify the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP Installation:


1. Verify .
2. Confirm that the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Agent Assisted Billing Care PIP BPEL processes:

CommsProcessBillingAccountListEBF	QueryInvoiceEventDetailsSiebelCommsReqABCImpl
CreateAccountBalanceAdjustmentBRMCommsProvABCImpl	QueryInvoiceListBRMCommsProvABCImpl
CreateAccountBalanceAdjustmentSiebelCommsReqABCImpl	QueryInvoiceListSiebelCommsReqABCImpl
CreateInvoicePaymentSiebelCommsReqABCImpl	QueryInvoicePaymentSiebelCommsReqABCImpl
CreatePaymentSiebelCommsReqABCImpl	QueryInvoiceSiebelCommsReqABCImpl
CreateReceivedPaymentBRMCommsProvABCImpl	QueryPaymentSiebelCommsReqABCImpl
ProcessInstalledProductSpecialRatingSetListBRMCommsProvABCImpl	QueryReceivedPaymentListBRMCommsProvABCImpl
ProcessInstalledProductSpecialRatingSetListSiebelCommsReqABCImpl	QueryServiceUsageBRMCommsProvABCImpl
QueryAccountBalanceAdjustmentBRMCommsProvABCImpl	QueryUnbilledBalanceDetailsSiebelCommsReqABCImpl
QueryAccountBalanceAdjustmentSiebelCommsReqABCImpl	QueryUnbilledEventDetailsSiebelCommsReqABCImpl
QueryBalanceDetailsSiebelCommsReqABCImpl	QueryUnbilledUsageSiebelCommsReqABCImpl
QueryBalanceGroupListSiebelCommsReqABCImpl	SearchInvoiceEventDetailsSiebelCommsReqABCImpl
QueryBalanceGroupServicesSiebelCommsReqABCImpl	SearchPaymentSiebelCommsReqABCImpl
QueryBalanceSummarySiebelCommsReqABCImpl	SearchUnbilledEventDetailsSiebelCommsReqABCImpl
QueryCustomerPartyListBRMCommsProvABCImpl	SyncAccountSiebelReqABCImpl
QueryCustomerPartyListSiebelProvABCImplV2	SyncCustomerPartyListBRMCommsProvABCImpl
QueryInstalledProductListBRMCommsProvABCImpl	SyncCustomerSiebelEventAggregator
QueryInvoiceBalanceDetailsSiebelCommsReqABCImpl	TransformAppContextSiebelService
	UpdateAccountBalanceAdjustmentRespSiebelCommsProvABCImpl
	UpdateCreditAlertBRMCommsProvABCImpl
	UpdateCreditAlertSiebelCommsReqABCImpl

- b. Navigate to the **ESB Console, Core, EBS, Services**. Verify that you can see the following Agent Assisted Billing Care PIP ESB processes:

AccountBalanceSiebelCommsReqABC	CreateAccountBalanceAdjustmentSiebelCommsJMSConsumer
---------------------------------	--

AdjustmentSiebelCommsReqABCS	Customer/CommunicationsCustomerPartyEBSV2
CommunicationsAccountBalanceAdjustmentEBSV2	Customer/CommunicationsCustomerPartyResponseEBSV2
CommunicationsAccountBalanceAdjustmentResponseEBSV2	Customer/CustomerPartyEBSV2
CommunicationsBillingResponseEBSV1	InvoiceSiebelCommsReqABCS
CommunicationsCreditAlertEBSV1	PaymentSiebelCommsReqABCS
CommunicationsInstalledProductEBSV2	SyncAccountSiebelAggregatorAdapter
CommunicationsInvoiceEBSV2	SyncAcctSiebelAggrEventConsumer
CommunicationsReceivedPaymentEBSV1	SyncAddressSiebelAggregatorAdapter
CommunicationsReceivedPaymentResponseEBSV1	SyncBPSiebelAggregatorAdapter
CommunicationsServiceUsageEBSV2	SyncContactSiebelAggregatorAdapter
CreateAccountBalanceAdjustmentListResponseBRMCommsJMConsumer	UnbilledUsageSiebelCommsReqABCS
CreateAccountBalanceAdjustmentListResponseBRMCommsJMSProducer	

3. From the ESB Control page, click the **Map** button  in the top right corner of the page to access Domain Value Maps (DVMs) and verify whether the following DVMs for Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP are installed.

ACCOUNTBALANCEADJUSTMENT_REASON	CUSTOMERPARTY_BILLPROFILE_BILLTYPECODE
ACCOUNTBALANCEADJUSTMENT_STATUS	CUSTOMERPARTY_BILLPROFILE_FREQUENCYCODE
ACCOUNTBALANCEADJUSTMENT_SUBSTATUS	CUSTOMERPARTY_PAYPROFILE_BANKACCOUNTTYPE
ACCOUNTBALANCEADJUSTMENT_TAXTREATMENT	CUSTOMERPARTY_PAYPROFILE_DELIVERYPREF
ACCOUNTBALANCEADJUSTMENT_TYPE	CUSTOMERPARTY_PAYPROFILE_PAYMENTMETHODCODE
ACCOUNTBALANCEADJUSTMENT_USAGEALLOCATION_TAXTREATMENT	CUSTOMERPARTY_PAYPROFILE_PAYMENTMETHODCODE
ADDRESS_COUNTRYID	CUSTOMERPARTY_PAYPROFILE_PAYTERMCODE
ADDRESS_COUNTRYSUBDIVID	CUSTOMERPARTY_STATUSCODE
COLLECTION_ACTIONNAME	INSTALLEDPRODUCT_STATUS
COLLECTION_PRIORITY	PHONENUMBER_TYPE
COLLECTION_STATUS	PROVINCE
COLLECTION_SUBSTATUS	RECEIVEDPAYMENT_TYPE
CONTACT_SALUTATION	RESOURCE
CURRENCY_CODE	STATE
CUSTOMERPARTY_ACCOUNTCLASSCODE	
CUSTOMERPARTY_ACCOUNTTYPECODE	

4. Log into the main **Application Integration Architecture** page. Select **Service Repository** and then click **Service** in the top menu bar and click **Search**. Verify that the following WSDLs are published

CreateAccountBalanceAdjustmentBRMCommsProvABCSImpl	QueryInvoiceBalanceDetailsSiebelCommsReqABCSImpl
CreateAccountBalanceAdjustmentSiebelCommsReqABCSImpl	QueryInvoiceEventDetailsSiebelCommsReqABCSImpl
CreateInvoicePaymentSiebelCommsReqABCSImpl	QueryInvoiceListBRMCommsProvABCSImpl
CreatePaymentSiebelCommsReqABCSImpl	QueryInvoiceListSiebelCommsReqABCSImpl
CreateReceivedPaymentBRMCommsProvABCSImpl	QueryInvoicePaymentSiebelCommsReqABCSImpl
ProcessInstalledProductSpecialRatingSetListBRMCommsProvABCSImpl	QueryInvoiceSiebelCommsReqABCSImpl
ProcessInstalledProductSpecialRatingSetListSiebelCommsReqABCSImpl	QueryPaymentSiebelCommsReqABCSImpl
QueryAccountBalanceAdjustmentBRMCommsProvABCSImpl	QueryReceivedPaymentListBRMCommsProvABCSImpl
QueryAccountBalanceAdjustmentSiebelCommsReqABCSImpl	QueryServiceUsageBRMCommsProvABCSImpl
QueryBalanceDetailsSiebelCommsReqABCSImpl	QueryUnbilledBalanceDetailsSiebelCommsReqABCSImpl
QueryBalanceGroupListSiebelCommsReqABCSImpl	QueryUnbilledEventDetailsSiebelCommsReqABCSImpl
QueryBalanceGroupServicesSiebelCommsReqABCSImpl	QueryUnbilledUsageSiebelCommsReqABCSImpl
QueryBalanceSummarySiebelCommsReqABCSImpl	SearchInvoiceEventDetailsSiebelCommsReqABCSImpl
QueryCustomerPartyListBRMCommsProvABCSImpl	SearchPaymentSiebelCommsReqABCSImpl
QueryCustomerPartyListSiebelProvABCSImpl	SearchUnbilledEventDetailsSiebelCommsReqABCSImpl
QueryInstalledProductListBRMCommsProvABCSImpl	SyncAccountSiebelReqABCSImpl
	SyncCustomerPartyListBRMCommsProvABCSImpl
	UpdateAccountBalanceAdjustmentRespSiebelCommsProvABCSImpl
	UpdateCreditAlertBRMCommsProvABCSImpl
	UpdateCreditAlertSiebelCommsReqABCSImpl

5. **Verify Collections installation.**

- Verify that <AIAHome>/DISHome/CollectionsHome folder has been created.
- Verify that CURRENCY_CODE.xml, COLLECTION_STATUS.xml, COLLECTION_ACTIONNAME.xml, COLLECTION_PRIORITY.xml and COLLECTION_SUBSTATUS.xml are present in the DVM path. This is the same path that is mentioned during installation. You can find this path in deploy.properties file under the property 'odi.dvm.path'.
- Open <AIAHome>/logs/Install/PIPS/CollectionsInstall.log. The log contains several statements starting with "[exec] OracleDI: Starting Command: OdilImportObject - FILE_NAME=". None of these statements should be followed by error messages except the error messages mentioned below.

Error Messages During Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP Installation

When installing the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP, you can encounter the following errors:

- ☐ Failed to execute: Create user xxxxx identified by yyyy
- ☐ Unique Constraint Violation

Failed to execute: Create user xxxxx identified by yyyy

AIA Installer displays this error message in the log file if the install script attempts to create a database username for an existing database user name. You can ignore this message and continue with the install process.

The installer displays the following message when it finds an identical database user name:

```
ODIInstall_CreateDBSchemaWorkRep:
[echo] ~~~~~
[echo] Creating ODI Work Repository DB User: xxxxx
[sql] Executing commands
[sql] Failed to execute:  create user xxxxx identified by yyyy
[sql] java.sql.SQLException: ORA-01920: user name 'xxxxx' conflicts
with another user or role name
[sql] 1 of 2 SQL statements executed successfully
[echo] Done creating DB User for ODI Work Repository: xxxxx
[echo] ~~~~~
```

Note: xxxxx refers to the database username provided for ODI Work Repository and yyyy is the password.

Unique Constraint Violation

AIA Installer displays this error message in the log file if the ODI data source **xxxxx** already exists in the ODI master repository. The ODI data source is defined in Topology in the Physical Architecture tab. This error occurs when the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP is reinstalled.

The installer displays the following message when it finds an identical ODI data source:

```
[echo] - Importing CONN_XXXXX.xml
[exec] OracleDI: Starting Command: OdiImportObject -
FILE_NAME=<AIA_HOME>/PIPS/Industry/Communications/DIS/Collections/src/master/CONN_XXXXX.xml -IMPORT_MODE=SYNONYM_INSERT_UPDATE ...
[exec] java.sql.SQLException: ORA-00001: unique constraint (SNPM.PK_MTXT)
violated
```


This error will not stop the install process. The process imports the remaining ODI PIP artifacts into the ODI; however, it is important to verify the accuracy of the connections for these ODI data sources. To resolve this issue, verify that the connections and associated logical schemas in the ODI topology are accurate.

Verifying Comms Order to Bill: Siebel CRM - BRM PIP Installation

To verify the Comms Order to Bill: Siebel CRM - BRM PIP Installation:

1. Verify .
2. Confirm that the Comms Order to Bill: Siebel CRM - BRM PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Comms Order to Bill: Siebel CRM - BRM PIP BPEL processes:

CommsProcessBillingAccountListEBF	ProcessInstalledProductSpecialRatingSetListBRMCommsProvABCImpl
CommsProcessFulfillmentOrderBillingAccountListEBF	ProcessInstalledProductSpecialRatingSetListSiebelCommsReqABCImpl
CreateTroubleTicketAIACommsReqImpl	ProcessSalesOrderFulfillmentOSMCFSCommsJMSPProducer
CreateTroubleTicketSiebelCommsProvABCImpl/>	ProcessSalesOrderFulfillmentSiebelCommsReqABCImpl
ProcessFOBillingAccountListRespOSMCFSCommsJMSPProducer	ProductOptimizedSyncPriceListListSiebelCommsProvABCImpl
ProcessFOBillingAccountListRespOSMCFSCommsJMSPProducer	QueryCustomerPartyListBRMCommsProvABCImpl
ProcessFulfillmentOrderBillingBRMCommsAddSubProcess	QueryCustomerPartyListSiebelProvABCImplV2
ProcessFulfillmentOrderBillingBRMCommsDeleteSubProcess	QueryInstalledProductListBRMCommsProvABCImpl
ProcessFulfillmentOrderBillingBRMCommsMoveAddSubProcess	SyncAccountSiebelReqABCImpl
ProcessFulfillmentOrderBillingBRMCommsProvABCImpl	SyncCustomerPartyListBRMCommsProvABCImpl
ProcessFulfillmentOrderBillingBRMCommsSuspendResumeSubProcess	SyncCustomerSiebelEventAggregator
ProcessFulfillmentOrderBillingBRMCommsUpdateSubProcess	SyncDiscountBRMCommsReqABCImpl
ProcessFulfillmentOrderBillingResponseOSMCFSCommsJMSPProducer	SyncItemCompositionListSiebelCommsProvABCImpl
ProcessFulfillmentOrderBillingResponseOSMCFSCommsJMSPProducer	SyncProductBRMCommsReqABCImpl
	TestOrderOrchestrationEBF
	TransformAppContextSiebelService
	UpdateSalesOrderSiebelCommsProvABCImpl

- b. Navigate to the **ESB Console, Core, EBS, Services**. Verify that you can see the following Comms Order to Bill: Siebel CRM - BRM PIP ESB processes:

AIACOMOrderFalloutNotificationJMSConsumer
AIAOrderFalloutJMSConsumer
AIAOrderFalloutJMSProducer
BillingResponseConsumer
CommunicationsBillingEBSV1
CommunicationsBillingResponseEBSV1
CommunicationsCustomerPartyEBSV2
CommunicationsCustomerPartyResponseEBSV2
CommunicationsInstalledProductEBSV2
CommunicationsItemCompositionEBSV1
CommunicationsItemCompositionResponseEBSV1
CommunicationsPriceListEBSV2
CommunicationsPriceListResponseEBSV2
CommunicationsSalesOrderEBSV2
CommunicationsTroubleTicketEBSV1
CommunicationsTroubleTicketResponseEBSV1
Consume_PFOB
Consume_PFOB_RS
Consume_PFOBAL
Consume_PFOBAL_RS
Consume_UPDSO
Consume_UPDSO_RS,
CustomerPartyEBSV2
CustomerResponseConsumer
OrderOrchestrationConsumer
ProcessInstalledProductSpecialRatingSetListSiebelCommsJMSConsumer
ProcessSalesOrderFulfillmentSiebelCommsJMSConsumer
SyncAccountSiebelAggregatorAdapter
SyncAcctSiebelAggrEventConsumer
SyncAddressSiebelAggregatorAdapter
SyncBPSiebelAggregatorAdapter
SyncContactSiebelAggregatorAdapter
SyncCustomerPartyListBRM_01CommsJMSConsumer
SyncDiscountInfoChangeBRMAQ
SyncProductInfoChangeBRMAQ

3. From the **ESB Control** page, click the **Map** button  in the top right corner of the page to access Domain Value Maps (DVMs) and verify whether the following DVMs for Order to Bill PIP are installed.

ADDRESS_COUNTRYID	RESOURCE
ADDRESS_COUNTRYSUBDIVID	SALESORDER_ACTIONCODE
CONTACT_SALUTATION	SALESORDER_DYNAMICPRICEIND
CURRENCY_CODE	SALESORDER_FULFILLCOMPOSITIONTYPE
CUSTOMERPARTY_ACCOUNTCLASSCODE	SALESORDER_FULFILLMENTMODECODE
CUSTOMERPARTY_ACCOUNTTYPECODE	SALESORDER_LINEFULFILLMENTMODECODE
CUSTOMERPARTY_BILLPROFILE_BILLTYPECODE	SALESORDER_LINESTATUS
CUSTOMERPARTY_BILLPROFILE_FREQUENCYCODE	SALESORDER_NETWORKINDICATOR
CUSTOMERPARTY_PAYPROFILE_BANKACCOUNTTYPE	SALESORDER_PARTIALFULFILLALLOWEDIND
CUSTOMERPARTY_PAYPROFILE_DELIVERYREF	SALESORDER_PARTIALFULFILLALLOWEDIND
CUSTOMERPARTY_PAYPROFILE_PAYMETHODCODE	SALESORDER_PRIORITY
CUSTOMERPARTY_PAYPROFILE_PAYMETHODCODE	SALESORDER_PROCESSINGTYPECODE
CUSTOMERPARTY_PAYPROFILE_PAYTERMCODE	SALESORDER_PRODUCTTYPECODE
CUSTOMERPARTY_STATUSCODE	SALESORDER_REVISIONPERMISSIBLECODE
CUSTOMERPARTY_TYPECODE	SALESORDER_SERVICEINDICATOR
DISCOUNT_METHODCODE	SALESORDER_STATUS
INSTALLEDPRODUCT_STATUS	SALESORDER_STRTBILLSERVICEUSAGE
ITEM_BILLINGTYPECODE	SALESORDER_TYPECODE
PHONENUMBER_TYPE	STATE
PRICE_TYPE	TROUBLETICKET_AREA
PRICECHARGETYPE	TROUBLETICKET_PRIORITY
PRICECHARGETYPEUOM	TROUBLETICKET_SEVERITY
PRICETYPE_EVENT	TROUBLETICKET_STATUS
PROVINCE	TROUBLETICKET_SUBAREA

4. Log into the main **Application Integration Architecture** page, select **Service Repository**, click **Service** in the top menu bar and click **Search**. Verify that the following WSDLs are published

CreateTroubleTicketSiebelCommsProvABCImpl	QueryCustomerPartyListBRMCommsProvABCImpl
ProcessFulfillmentOrderBillingBRMCommsMoveAddSubProcess	QueryCustomerPartyListSiebelProvABCImpl
ProcessFulfillmentOrderBillingBRMCommsProvABCImpl	QueryInstalledProductListBRMCommsProvABCImpl
ProcessInstalledProductSpecialRatingSetListBRMCommsProvABCImpl	SyncAccountSiebelReqABCImpl
ProcessInstalledProductSpecialRatingSetListSiebelCommsR	SyncCustomerPartyListBRMCommsProvABCImpl
	SyncDiscountBRMCommsReqABCImpl
	SyncItemCompositionListSiebelCommsProvABCImpl

eqABCImpl ProcessSalesOrderFulfillmentSiebelCommsReqABCImpl ProductOptimizedSyncPriceListListSiebelCommsProvABCImpl	l SyncProductBRMCommsReqABCImpl UpdateSalesOrderSiebelCommsProvABCImpl
---	--

Verifying Comms Revenue Accounting: EBS - BRM PIP Installation

To verify the Comms Revenue Accounting: EBS - BRM PIP installation:

1. Verify .
2. Navigate to *<AIAHome>/DISHome* and verify whether the following folders have been created:
 - RevenueManagementHome
 - RevenueManagementHome/input
 - RevenueManagementHome/input/schema
 - RevenueManagementHome/success
 - RevenueManagementHome/failure
3. Verify whether **CurrencyCodeMapping.xml** is present in the **DVM** path. This is the same path that is mentioned during installation. You can find this path in `deploy.properties` file under the property `'odi.dvm.path'`.
4. Check *<ODI_Home>/bin* and *<AIAHome>/DISHome/RevenueManagementHome/input/schema*. You should find **brm_gl_data.xsd** at both the locations.
5. Open *<AIAHome>/logs/Install/PIPS/RevenueAccountingInstall.log*. The log contains several statements starting with "[exec] OracleDI: Starting Command: OdiImportObject -FILE_NAME=". None of these statements should be followed by error messages except the error messages mentioned below.

Error Messages During Comms Revenue Accounting: EBS - BRM Installation

When installing the Comms Revenue Accounting: EBS - BRM PIP, you can encounter the following errors:

- Failed to execute: Create user xxxxx identified by yyyy
- Unique Constraint Violation

Failed to execute: Create user xxxxx identified by yyyy

AIA Installer displays this error message in the log file if the install script attempts to create a database username for an existing database user name. You can ignore this message and continue with the install process.

The installer displays the following message when it finds an identical database user name:

```
ODIInstall_CreateDBSchemaWorkRep:
[echo] ~~~~~
[echo] Creating ODI Work Repository DB User: xxxxx
[sql] Executing commands
[sql] Failed to execute: create user xxxxx identified by yyyy
[sql] java.sql.SQLException: ORA-01920: user name 'xxxxx' conflicts
with another user or role name
[sql] 1 of 2 SQL statements executed successfully
[echo] Done creating DB User for ODI Work Repository: xxxxx
[echo] ~~~~~
```

Note: xxxxx refers to the database username provided for ODI Work Repository and yyyy is the password.

Unique Constraint Violation

AIA Installer displays this error message in the log file if the ODI data source **xxxxx** already exists in the ODI master repository. The ODI data source is defined in Topology in the Physical Architecture tab. This error occurs when the Comms Revenue Accounting: EBS - BRM PIP is reinstalled.

The installer displays the following message when it finds an identical ODI data source:

```
[echo] - Importing CONN_XXXXX.xml
[exec] OracleDI: Starting Command: OdiImportObject -
FILE_NAME=<AIA_HOME>/PIPS/Industry/Communications/DIS/Revenue/src/master/
CONN_XXXXX.xml -IMPORT_MODE=SYNONYM_INSERT_UPDATE ...
[exec] java.sql.SQLException: ORA-00001: unique constraint (SNPM.PK_MTXT)
violated
```

This error will not stop the install process. The process will import the remaining ODI PIP artifacts into the ODI; however, it is important to verify the accuracy of the connections for these ODI data sources. To resolve this issue, verify that the connections and associated logical schemas in the ODI topology are accurate.

Verifying LSP Financial Mgmt: OTM - EBS PIP Installation

To verify the LSP Financial Mgmt: OTM - EBS PIP installation:

1. Verify .
2. Confirm that JMS Queues are created:
 - a. Connect to database server with jmsuser/jmsuser credentials
 - b. Query the database for the following Queue names.
 AIA_EBIZSUPPJMSQTAB
 AIA_EBIZCURREXJMSQTAB
3. Confirm that the LSP Financial Mgmt: OTM - EBS PIP ESB connector services were installed.
 - a. Navigate to the **ESB Console**: <http://<server name>:<port number>/esb/>
 - b. Log in with the server admin user name. To find this information, contact the system administrator.
 - c. Verify that you can see the LSP Financial Mgmt: OTM - EBS PIP ESB processes in the **Services** menu under **AIASystem**.

AccountingEntryEBS	MergePartyEbizEventConsumer
AccountingEntryResponseEBS	PayableInvoiceEBS
CreateAccountingEntryListEbizDBAdapter	PayableInvoiceResponseEBS
CreateAccountingEntryListLogisticsAQConsumer	QueryCustomerPartyEbizAdapter
CreateInvoiceListEbizAppsAdapter	QueryCustomerPartyListEbizCreateAdapter
CreateInvoiceListLogisticsAQConsumer	QueryCustomerPartyListEbizUpdateAdapter
CreatePayableInvoiceListEbizDBAdapter	QueryMergeAccountEbizAdapter
CreatePayableInvoiceListLogisticsAQConsumer	QueryMergeOrgCustEbizAdapter
CurrencyExchangeEBS	QueryPartyMergeEbizAdapter
CurrencyExchangeListEbizJMSConsumer	SupplierPartyEBS
CurrencyExchangeResponseEBS	SupplierPartyResponseEBS
CustomerPartyEBSV2	SyncCurrencyExchangeListEbizAdapter
CustomerPartyResponseEBSV2	SyncCustomerPartyListEbizEventCreateConsumer
InvoiceEBS	SyncCustomerPartyListEbizEventUpdateConsumer
InvoiceResponseEBS	SyncSupplierPartyListEbizAdapter
MergeAccountEbizEventConsumer	SyncSupplierPartyListEbizJMSConsumer

4. Confirm that the LSP Financial Mgmt: OTM - EBS PIP BPML processes were installed.
 - a. Navigate to the **BPML Console**: <http://<server name>:<port number>/BPMLConsole/>

- b. Log in with the server admin user name. To find this information, contact the system administrator.
- c. Verify that you can see the LSP Financial Mgmt: OTM - EBS PIP BPEL processes on the **Dashboard** tab.

CreateAccountingEntryListLogisticsReqABCImpl	MergePartyEbizReqABCImpl
CreateInvoiceListEbizProvABCImpl	SupplierPartyListEbizJMSProducer
CreateInvoiceListLogisticsReqABCImpl	SyncCurrencyExchangeListEbizReqABCImpl
CreatePayableInvoiceListEbizProvABCImpl	SyncCurrencyExchangeListLogisticsProvABCImpl
CreatePayableInvoiceListLogisticsReqABCImpl	SyncCustomerPartyListEbizReqABCImpl
CurrencyExchangeListEbizJMSProducer	SyncCustomerPartyListLogisticsProvABCImpl
DecryptionService	SyncSupplierPartyListEbizReqABCImpl
CreateAccountingEntryListEbizProvABCImpl	SyncSupplierPartyListLogisticsProvABCImpl
InitialLoadSupplierPartyListEbizAdapter	TransformAppContextEbizService
MergeAccountEbizReqABCImpl	UpdateInvoiceListEbizXref
MergeCustomerPartyListLogisticsProvABCImpl	UpdatePayableInvoiceListEbizXref

5. LSP Financial Mgmt: OTM - EBS PIP and LSP Order Mgmt: OTM - EBS - Siebel CRM PIP use the same CustomerPartyEBSV2. When you install the Fleet PIPs, if LSP Financial Mgmt: OTM - EBS PIP is installed after LSP Order Mgmt: OTM - EBS - Siebel CRM PIP, routing rules pertaining to Customer flow of LSP Financial Mgmt: OTM - EBS PIP do not appear on the ESB console for CustomerPartyEBSV2. In this case, routing rules pertaining to the *SyncCustomerPartyListLogisticsProvABCImpl* and *MergeCustomerPartyListLogisticsProvABCImpl* of Customer flow of LSP Financial Mgmt: OTM - EBS PIP have to be added manually to the CustomerPartyEBSV2.

Verifying LSP Order Mgmt: OTM - EBS - Siebel CRM PIP Installation

To verify the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP installation:

1. Verify .
2. Confirm that the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP ESB processes were installed.
 - a. Navigate to the **ESB Console**: <http://<server name>:<port number>/esb/>
 - b. Log in with the server admin user name. To find this information, contact the system administrator.
 - c. Verify that you can see the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP ESB processes in the **Services** menu under **AIASystem**.

CustomerPartyEBSV2	SyncCustomerPartyListEbizAdapter
CustomerPartyResponseEBSV2	SyncCustomerPartyListPersonEbizAdapter
ItemEBSV2	SyncCustomerPartyLogisticsJMSConsumerV1
ItemResponseEBSV2	SyncItemSiebelConsumer
QueryResponsibilityEbizAdapter	SyncTransportationStopAggregatorRoutingService
SyncAccountSiebelAggregatorAdapter	SyncTransportationStopSiebelJMSConsumer
SyncAcctSiebelAggrEventConsumer	TransportationSalesOrderEBS
SyncAddressSiebelAggregatorAdapter	TransportationSalesOrderListSiebelJMSConsumer
SyncBPSiebelAggregatorAdapter	TransportationSalesOrderResponseEBS
SyncContactSiebelAggregatorAdapter	TransportationStopEBS
SyncCustomerPartyEbizJMSConsumerV1	TransportationStopResponseEBS
SyncCustomerPartyJMSProducerV1	UpdatePlannedShipmentLogisticsAQConsumer

3. Confirm that the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP BPEL processes were installed.

- a. Navigate to the **BPEL Console**:** [http:// <server name>:<port number>/BPELConsole/](http://<server name>:<port number>/BPELConsole/)
- b. Log in with the server admin user name.** To find this information, contact the system administrator.
- c. Verify that you can see the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP BPEL processes on the **Dashboard** tab.**

DecryptionService
QueryTransportationSalesOrderItineraryListLogisticsProvABCServiceImpl
QueryTransportationSalesOrderItineraryListSiebelReqABCServiceImpl
SyncAccountSiebelReqABCServiceImpl
SyncCustomerPartyListEbizProvABCServiceImpl
SyncCustomerPartyListLogisticsProvABCServiceImpl
SyncCustomerSiebelEventAggregator
SyncItemListLogisticsProvABCServiceImpl
SyncItemListSiebelReqABCServiceImpl
SyncTransportationSalesOrderListLogisticsProvABCServiceImpl
SyncTransportationSalesOrderListSiebelReqABCServiceImpl
SyncTransportationStopAddressSiebelAggregatorAdapterConsumer
SyncTransportationStopContactSiebelAggregatorAdapterConsumer
SyncTransportationStopListLogisticsProvABCServiceImpl
SyncTransportationStopListSiebelReqABCServiceImpl
TransformAppContextEbizService
TransformAppContextSiebelService


```
UpdateTransportationSalesOrderListLogisticsReqABCSImpl
UpdateTransportationSalesOrderListSiebelProvABCSImpl
```

4. LSP Order Mgmt: OTM - EBS - Siebel CRM PIP and LSP Financial Mgmt: OTM - EBS PIP use the same CustomerPartyEBSV2. When you install the Fleet PIPs, if LSP Order Mgmt: OTM - EBS - Siebel CRM PIP is installed after LSP Financial Mgmt: OTM - EBS PIP, routing rules pertaining to Customer flow of LSP Order Mgmt: OTM - EBS - Siebel CRM PIP do not appear on the ESB console for CustomerPartyEBSV2. In this case, routing rules pertaining to the *SyncCustomerPartyListLogisticsJMSProducerV1* of Customer flow of LSP Order Mgmt: OTM - EBS - Siebel CRM PIP have to be added manually to the CustomerPartyEBSV2

Verifying LSP Driver Mgmt: OTM - EBS PIP Installation

To verify the LSP Driver Mgmt: OTM - EBS PIP installation:

1. Verify .
2. Confirm that the LSP Driver Mgmt: OTM - EBS PIP ESB processes were installed.
 - a. Navigate to the **ESB Console**: <http://<server name>:<port number>/esb/>
 - b. Log in with the server admin user name. To find this information, contact the system administrator.
 - c. Verify that you can see the LSP Driver Mgmt: OTM - EBS PIP ESB processes in the **Services** menu under **AIASystem**.

CalculateDriverIncentiveCompensationListEbizAdapter	SyncLocationListEbizJMSProducer
CalculateDriverIncentiveCompensationListLogisticsAQConsumer	SyncTrainingCalendarListEbizJMSConsumer
CreateAbsenceAttendanceEbizAdapter	SyncTrainingCalendarListEbizJMSProducer
CreateDelegateBookingEbizAdapter	SyncWorkerListEbizAggrEventConsumer
CreateLocationListEbizAdapter	SyncWorkerListEbizGroupEventAdapter
DeleteAbsenceAttendanceEbizAdapter	SyncWorkerListEbizJMSConsumer
DeleteDelegateBookingEbizAdapter	SyncWorkerListEbizJMSProducer
LocationEBS	UpdateAbsenceAttendanceEbizAdapter
LocationResponseEBS	UpdateClassScheduleEbizAdapter
PayableInvoiceEBS	UpdateDelegateBookingEbizAdapter
PayableInvoiceResponseEBS	UpdateLocationEbizAdapter
ResourceCalendarEntryEBS	UpdateLocationListEbizAdapter
ResourceCalendarEntryResponseEBS	UpdateTrainingCenterandLocationEbizAdapter

SyncAbsenceCalendarListEbizJMSConsumer	WorkerEBS
SyncAbsenceCalendarListEbizJMSProducer	WorkerResponseEBS
SyncLocationListEbizJMSConsumer	

3. Confirm that the LSP Driver Mgmt: OTM - EBS PIP BPEL processes were installed.

- a. Navigate to the **BPEL Console**:** *http:// <server name>:<port number>/BPELConsole/*
- b. Log in with the server admin user name.** To find this information, contact the system administrator.
- c. Verify that you can see the LSP Driver Mgmt: OTM - EBS PIP BPEL processes on the **Dashboard** tab.**

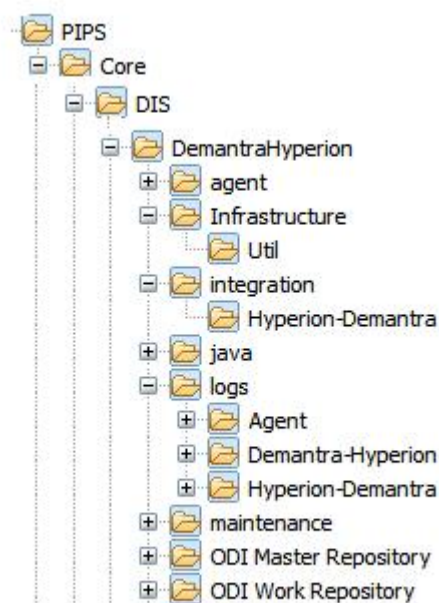
CalculateDriverIncentiveCompensationListEbizProvABCImpl
CalculateDriverIncentiveCompensationListLogisticsReqABCImpl
DecryptionService
SyncAbsenceCalendarListEbizReqABCImpl
SyncAbsenceCalendarListInitialLoadDBAdapter
SyncAbsenceCalendarListProcess
SyncLocationListEbizGetABM
SyncLocationListEbizReqABCImpl
SyncLocationListInitialLoadDBAdapter
SyncLocationListLogisticsProvABCImpl
SyncResourceCalendarEntryListLogisticsProvABCImpl
SyncTrainingCalendarListEbizReqABCImpl
SyncTrainingCalendarListInitialLoadDBAdapter
SyncTrainingCalendarListProcess
SyncWorkerListBPELAggregator
SyncWorkerListEbizEventAggregator
SyncWorkerListEbizInitialLoad
SyncWorkerListEbizReqABCImpl
SyncWorkerListLogisticsProvABCImpl

- 4. LSP Financial Mgmt: OTM - EBS PIP and LSP Driver Mgmt: OTM - EBS PIP use the same PayableInvoiceEBS.** When you install the Fleet PIPs, if LSP Driver Mgmt: OTM - EBS PIP is installed after LSP Financial Mgmt: OTM - EBS PIP, routing rules pertaining to Work Invoice flow of LSP Driver Mgmt: OTM - EBS PIP do not appear on the ESB console for PayableInvoiceEBS. In this case, routing rules pertaining to the CalculateDriverIncentiveCompensationListEbizProvABCImpl of Work Invoice flow of LSP Driver Mgmt: OTM - EBS PIP have to be added manually to the PayableInvoiceEBS.

Verifying Demantra Sales and Ops Planning Integration for Hyperion Planning Installation

To verify the Demantra Sales and Ops Planning Integration for Hyperion Planning installation:

1. Verify if you have installed Foundation Pack.
2. Confirm that the Demantra Sales and Ops Planning Integration for Hyperion Planning was installed.
 - a. Navigate to the home directory for the product files you have defined in the AIA Installer.
 - b. Confirm that the following folder structure was created.



3. Confirm that the Demantra Sales and Ops Planning Integration for Hyperion Planning ODI artifacts are installed.
 - a. Open the ODI Designer Console.
 - b. Verify that you can see the **HyperionToDemantraProject** project.
 - c. Verify that you can see the **HyperionToDemantraModelFolder** model:
 - d. Open the ODI Topology Manager console.
 - e. Verify that you can see the following Physical Architecture
- Hyperion Essbase
- HyperionDS
 - Datatypes
 - Actions

Oracle

- DemantraDS
- ODIWorkRepositoryDS
- Datatypes
- Actions

f. Verify that you can see the following Logical Architecture

Hyperion Essbase

- HyperionSchema
- Datatypes
- Actions

Oracle

- DemantraSchema
- ODIWorkRepositorySchema
- Datatypes
- Actions

Verifying VCP to JDE E1 Integration Installation

To verify the VCP to JDE E1 Integration installation:

1. Verify if you have installed Foundation Pack.
2. Confirm that the VCP to JDE E1 Integration artifacts are installed:
 - a. Open the ODI Designer Console.
 - b. Verify that you can see the **E1APSPProject** project.
 - c. Verify that you can see the following models in the model tab:

APSToE1ModelFolder

DemantraToE1ModelFolder

E1ToAPSMModelFolder

E1ToDemantraModelFolder

- d. Open the ODI Topology Manager console.
- e. Verify that you can see the following Physical Architecture:

File

- APSFlatFileInDS
- DemantraFlatFileOutDS

DemantraFlatFileInDS

- E1FlatFileInDS
- E1FlatFileOutDS
- FILE_GENERIC
- LogFileDS
- Datatypes
- Actions

Important: If you are reinstalling, do not delete the FILE_GENERIC connection. This is a default ODI connection.

Oracle

- ASCPDS
- WorkRepoDS
- Datatypes
- Actions

XML

- E1BaseDS
- E1BeginningInventoryDS
- E1CustomerDS
- E1DeploymentPlanDS
- E1DetailedProductionPlanDS
- E1DistributionDS
- E1ManufacturingDS
- E1MasterProductionPlanDS
- E1PurchaseOrdersDS
- E1PurchasePlanDS
- E1SalesOrderDS
- E1SupplierDS
- E1TimeSeriesDS
- E1TransferOrderDS
- E1WorkOrdersDS
- XML_GEO_DIM
- Datatypes

- Actions

Important: If you are reinstalling, do not delete the XML_GEO_DIM connection. This is a default ODI connection.

f. Verify that you can see the following Logical Architecture:

File

- APSFLATFILEIN
- DEMANTRAFLATFILEIN
- DEMANTRAFLATFILEOUT
- E1FLATFILEIN
- E1FLATFILEOUT
- FILE_DEMO_SRC
- LOGFILE
- Datatypes
- Actions

Important: If you are reinstalling, do not delete the FILE_DEMO_SRC logical connection. This is a default ODI connection.

Oracle

- ASCP
- WORKREPO
- Datatypes
- Actions

Xml

- E1BASE
- E1BEGINVENTORY
- E1CUSTOMER
- E1DEPLOYMENTPLAN
- E1DETAILEDPRODPLAN
- E1DISTRIBUTION
- E1MANUFACTURING
- E1MASTERPRODPLAN
- E1PURCHASEORDERS
- E1PURCHASEPLAN

- E1SALESORDERS
- E1SUPPLIER
- E1TIMESERIES
- E1TRANSFERORDERS
- E1WORKORDERS
- XML_DEMO_GEO
- Datatypes
- Actions

Important: If you are reinstalling, do not delete the XML_DEMO_GEO logical connection. This is a default ODI connection.

Verifying Workforce Administration for PeopleSoft HR Installation

To verify the Workforce Administration for PeopleSoft HR installation:

1. Verify .
2. Confirm that the Workforce Administration for PeopleSoft HR components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Workforce Administration for PeopleSoft HR BPEL processes:

PersonPeopleSoftJMSProducer
 SyncPersonListPeopleSoftReqABCSImpl
 SyncTalentProfileContentItemListPeopleSoftReqABCSImpl
 SyncTalentProfileContentTypeListPeopleSoftReqABCSImpl
 SyncTalentProfileInstanceQualifierSetListPeopleSoftReqABCSImpl
 SyncTalentProfileListPeopleSoftReqABCSImpl
 SyncTalentProfileTypeListPeopleSoftReqABCSImpl
 SyncWorkerListPeopleSoftReqABCSImpl
 TalentProfileContentItemPeopleSoftJMSProducer
 TalentProfileContentTypePeopleSoftJMSProducer
 TalentProfileInstanceQualifierSetPeopleSoftJMSProducer
 TalentProfilePeopleSoftJMSProducer
 TalentProfileTypePeopleSoftJMSProducer

WorkerPeopleSoftJMSProducer

- b.** Navigate to the **ESB Console**, **AIASystem** service group. Verify that you can see the following Workforce Administration for PeopleSoft HR processes:

Under AIASystem -> PeopleSoft -> ABCS:	Under AIASystem -> EBS:
SyncPersonListPeopleSoftJMSConsumer	PersonEBS
SyncPersonListPeopleSoftJMSConsumer_RS	PersonResponseEBS
SyncTalentProfileContentItemPeopleSoftJMSConsumer	TalentProfileContentItemEBS
SyncTalentProfileContentItemPeopleSoftJMSConsumer_RS	TalentProfileContentItemResponseEBS
SyncTalentProfileContentTypeListPeopleSoftJMSConsumer	TalentProfileContentTypeEBS
SyncTalentProfileContentTypeListPeopleSoftJMSConsumer_RS	TalentProfileContentTypeResponseEBS
SyncTalentProfileInstanceQualifierSetPeopleSoftJMSConsumer	TalentProfileEBS
SyncTalentProfileInstanceQualifierSetPeopleSoftJMSConsumer_RS	TalentProfileInstanceQualifierSetEBS
SyncTalentProfilePeopleSoftJMSConsumer	TalentProfileInstanceQualifierSetResponseEBS
SyncTalentProfilePeopleSoftJMSConsumer_RS	TalentProfileResponseEBS
SyncTalentProfileTypeListPeopleSoftJMSConsumer	TalentProfileTypeEBS
SyncTalentProfileTypeListPeopleSoftJMSConsumer_RS	TalentProfileTypeResponseEBS
SyncWorkerListPeopleSoftJMSConsumer	WorkerEBS
SyncWorkerListPeopleSoftJMSConsumer_RS	WorkerResponseEBS

- c.** Navigate to the **ESB Console**. Verify that you can see Workforce Administration PIP Domain Value Maps in the **Maps** tab:

ADDRESS_COUNTRYID
ADDRESS_HOUSE_TYPE_CODE
ADDRESS_SITE_TYPE_CODE
ADDRESS_USE_CODE
CITIZENSHIP_STATUS_CODE
CURRENCY_CODE
CURRENCYEXCHANGE_CONVERSIONTYPECODE
HOURS_FREQUENCY_CODE
LANGUAGE_CODE
MARITAL_STATUS
PERSON_COMMUNITY_BACKGROUND_CODE_NETHERLAND
PERSON_COMMUNITY_BACKGROUND_DETERMINATION_METHOD_CODE
PERSON_COUNTRY_NAME_FORMAT_CODE
PERSON_DEPENDENT_BENEFICIARY_EDUCATION_LEVEL_CODE
PERSON_DEPENDENT_BENEFICIARY_FAMILY_ALLOWANCE_TERMINATION_CODE

PERSON_DEPENDENT_BENEFICIARY_FISCAL_SITUATION_CODE
 PERSON_DEPENDENT_BENEFICIARY_PLAN_CODE
 PERSON_DEPENDENT_BENEFICIARY_PLAN_TYPE_CODE
 PERSON_DEPENDENT_BENEFICIARY_RELATIONSHIP_CODE
 PERSON_DEPENDENT_BENEFICIARY_RIDER_CODE
 PERSON_DEPENDENT_BENEFICIARY_SPOUSE_PROFESSION_CODE
 PERSON_DEPENDENT_BENEFICIARY_TYPE_CODE
 PERSON_DEPENDENT_BENEFICIARY_VACCINE_DOSE_CODE
 PERSON_EMAIL_ADDRESS_TYPE_CODE
 PERSON_ETHNIC_GROUP_CODE_UNITED_KINGDOM
 PERSON_GENDER_CODE
 PERSON_HIGHEST_EDUCATION_LEVEL_CODE
 PERSON_LAST_NAME_PREFERENCE_CODE
 PERSON_NAME_FORMAT_CODE
 PERSON_NAME_PREFIX_CODE
 PERSON_NAME_ROYAL_PREFIX_CODE
 PERSON_NAME_ROYAL_SUFFIX_CODE
 PERSON_NAME_SUFFIX_CODE
 PERSON_NAME_TYPE_CODE
 PERSON_NATIONAL_IDENTITY_TYPE_CODE
 PERSON_PERSON_OF_INTEREST_TYPE_CODE
 PERSON_SAMEN_CATEGORY_CODE_NETHERLAND
 PERSON_TITLE_CODE
 PERSON_VISA_DURATION_TYPE_CODE
 PERSON_VISA_PERMIT_TYPE_CODE
 PERSON_VISA_SUPPORT_DOCUMENT_CODE
 PERSON_VISA_WORK_PERMIT_STATUS_CODE
 PERSON_WORKER_TYPE_CODE_SINGAPORE
 PHONE_TYPE_CODE
 STATE
 TALENTPROFILE_CREDIT_HOUR_TYPE
 TALENTPROFILE_EDUCATION_LEVEL_AUSTRALIA
 TALENTPROFILE_HIGHER_EDUCATION_LEVEL_AUSTRALIA_PUBLIC_SECTOR
 TALENTPROFILE_ITEM_IMPORTANCE_CODE
 TALENTPROFILE_ITEM_SOURCE_CODE

TALENTPROFILE_ITEM_VERIFICATION_METHOD_CODE
 TALENTPROFILE_MAJOR_CATEGORY_CODE_JAPAN
 TALENTPROFILE_NATIONAL_VOCATIONAL_QUALIFICATIONS_STATUS_CODE_UK
 TALENTPROFILE_RELATIONSHIP_TYPE_CODE
 TALENTPROFILE_USAGE_CODE
 TALENTPROFILE_WORKFLOW_STATUS_CODE
 TALENTPROFILECONTENTITEM_COMPETENCY_CATEGORY_CODE
 TALENTPROFILECONTENTITEM_DEGREE_LEVEL_CODE_CAN
 TALENTPROFILECONTENTITEM_DEGREE_LEVEL_CODE_FPS
 TALENTPROFILECONTENTITEM_EDUCATION_LEVEL_CODE
 TALENTPROFILECONTENTITEM_EDUCATION_LEVEL_CODE_NVQ
 TALENTPROFILECONTENTITEM_FIELD_OF_STUDY_CODE_DEU
 TALENTPROFILECONTENTITEM_RELATIONSHIP_CODE
 TALENTPROFILECONTENTITEM_SATISFACTION_METHOD_CODE
 TALENTPROFILECONTENTITEM_SUB_COMPETENCY_LEVEL_CODE
 TALENTPROFILECONTENTITEM_TYPE_OF_STUDY_CODE_DEU
 TALENTPROFILECONTENTTYPE_DISPLAYOPTIONCODE
 TALENTPROFILEINSTANCEQUALIFIERSET_TYPE_CODE
 TALENTPROFILETYPE_CONTENT_CATALOG_TYPE
 TALENTPROFILETYPE_SECTION_CONTENT_PROPERTY_SOURCE
 TALENTPROFILETYPE_STATUS_CODE
 WORKER_ABSENCE_SYSTEM_CODE
 WORKER_ACCOUNT_CODE
 WORKER_ACTION_REASON_CODE
 WORKER_ACTION_REFERENCE_CODE
 WORKER_APPOINTMENT_TYPE_CODE
 WORKER_AS_OF_DATE_OVERRIDE_CODE
 WORKER_ASSIGNMENT_TYPE_CODE
 WORKER_BARGAINING_UNIT_CODE
 WORKER_BAS_GROUP_REFERENCE_CODE
 WORKER_BENEFIT_PROGRAM_CODE
 WORKER_BENEFITS_STATUS_CODE
 WORKER_BENEFITS_SYSTEM_CODE
 WORKER_BUSINESS_UNIT_CODE
 WORKER_CIVIL_SERVICE_CATEGORY_FRENCH_PUBLIC_SECTOR_CODE

WORKER_CIVIL_SERVICE_FRENCH_PUBLIC_SECTOR_CODE
WORKER_CLASSIFICATION_CODE
WORKER_CLASSIFIED_UNCLASSIFIED_CODE
WORKER_COMPANY_CODE
WORKER_COMPENSATION_RATE_CODE
WORKER_COMPENSATION_RATE_GROUP_CODE
WORKER_CONTRACT_CHANGE_PRORATION_CODE
WORKER_CONTRACT_SALARY_TYPE_CODE
WORKER_CORPS_CODE
WORKER_DEMOTION_CODE
WORKER_DEPARTMENT_CODE
WORKER_DUTIES_TYPE_CODE
WORKER_EARNINGS_CODE
WORKER_EARNINGS_DISTRIBUTION_TYPE_CODE
WORKER_EEO_CLASS_CODE
WORKER_EMPLOYEE_CATEGORY_CODE
WORKER_EMPLOYEE_CLASS_CODE
WORKER_EMPLOYEE_STATUS_CODE
WORKER_EMPLOYEE_SUBCATEGORY_CODE
WORKER_EMPLOYEE_SUBCATEGORY2_CODE
WORKER_EMPLOYEE_TYPE_CODE
WORKER_ESTABLISHMENT_ID_CODE
WORKER_ESTABLISHMENT_ID_UNITED_STATES_CODE
WORKER_EXTERNAL_COMPANY_CODE
WORKER_EXTERNAL_DEPARTMENTT_CODE
WORKER_EXTERNAL_SUPERVISOR_LEVEL_CODE
WORKER_FICA_STATUS_CODE
WORKER_FLSA_STATUS_CODE
WORKER_FUNCTION_CODE
WORKER_GLOBAL_PAYROLL_ELIGIBILITY_GROUP_CODE
WORKER_GLOBAL_PAYROLL_PAYGROUP_CODE
WORKER_HIRE_STATUS_CODE
WORKER_HOLIDAY_SCHEDULE_CODE
WORKER_HOME_HOST_CLASS_CODE
WORKER_HOURS_TYPE_CODE

WORKER_INSTANCE_STATUS_CODE
WORKER_INTER_CENTRE_WORKS_COUNCIL_CODE
WORKER_INTERCOMPANY_TRANSFER_CODE
WORKER_JOB_SOURCE_CODE
WORKER_LABOR_AGREEMENT_CODE
WORKER_LABOR_FACILITY_CODE
WORKER_LABOR_TYPE_CODE
WORKER_LAYOFF_EXEMPTION_CODE
WORKER_OCCUPATION_CODE
WORKER_OCCUPATION_SPAIN_CODE
WORKER_OFFICER_CODE
WORKER_PART_TIME_TYPE_CODE
WORKER_PAYGROUP_CODE
WORKER_PAYROLL_STATUS_CODE
WORKER_PAYROLL_SYSTEM_CODE
WORKER_PERFORMANCE_GROUP_CODE
WORKER_POINT_TYPE_CODE
WORKER_POSITION_NUMBER_CODE
WORKER_PRIMARY_INDICATOR_CODE
WORKER_PROBATIONARY_PERIOD_CODE
WORKER_PRODUCTIVE_UNIT_CODE
WORKER_PROVIDER_REFERENCE_CODE
WORKER_RATE_SOURCE_CODE
WORKER_REDUCED_WEEK_CODE
WORKER_REGULATORY_REGION_CODE
WORKER_SALARY_PLAN_CODE
WORKER_SALARY_TYPE_MEXICO_CODE
WORKER_SANCTION_CODE
WORKER_SECONDMENT_TIME_CODE
WORKER_SECONDMENT_TYPE_CODE
WORKER_SEFIP_CATEGORY_CODE
WORKER_SHIFT_CODE
WORKER_SOCIAL_SECURITY_RISK_CODE
WORKER_SPECIAL_HIRE_CODE
WORKER_SPOKESMEN_COMMITTEE_GERMANY_CODE

```

WORKER_SUPERVISOR_LEVEL_CODE
WORKER_TARIFF_AREA_GERMANY_CODE
WORKER_TARIFF_GERMANY_CODE
WORKER_TAX_BASIS_CODE
WORKER_TIPPED_CODE
WORKER_TURNOVER_ACTION_CODE
WORKER_TURNOVER_ACTION_ITALY_CD
WORKER_TYPE_CODE
WORKER_TYPE_MEXICO_CODE
WORKER_UNION_CODE
WORKER_UNION_PARTICIPATION_CODE
WORKER_UNION_POSITION_CODE
WORKER_WORKING_TIME_PERCENT_CODE
WORKER_WORKS_COUNCIL_FUNCTION_CODE

```

Verifying Project Portfolio Management: Primavera P6-EBS Projects PIP Installation

To verify the Project Portfolio Management: Primavera P6-EBS Projects PIP installation:

1. Verify .
2. Confirm that the Project Portfolio Management: Primavera P6-EBS Projects PIP components were successfully installed.
 - a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Project Portfolio Management: Primavera P6-EBS Projects PIP BPEL processes:

```

SyncProjectFinancialPlanListEbizProvABCImpl
SyncProjectFinancialPlanListEbizReqABCImpl
SyncProjectFinancialPlanListP6PPMProvABCImpl
SyncProjectFinancialPlanListP6PPMReqABCImpl
SyncProjectListEbizProvABCImpl
SyncProjectListEbizReqABCImpl
SyncProjectListP6PPMProvABCImpl
SyncProjectListP6PPMProvABCImpl
SyncProjectResourceRateScheduleListEbizJMSConsumer
SyncProjectResourceRateScheduleListEbizReqABCImpl

```

SyncProjectResourceRateScheduleListP6PPMProvABCImpl

SyncProjectResourceSetListEbizJMSConsumer

SyncProjectResourceSetListEbizReqABCImpl

SyncProjectResourceSetListP6PPMProvABCImpl

- b.** Navigate to the **ESB Console**, AIASystem service group. Verify that you can see the following Project Portfolio Management: Primavera P6-EBS Projects processes:

GetOperatingUnitEbizAdapter

SyncProjectFinancialPlanListEbizAdapter

SyncProjectListEbizAdapter

SyncProjectResourceRateScheduleListEbizJMSProducer

SyncProjectResourceSetListEbizJMSProducer

Verifying Project Portfolio Management: Primavera P6 - JDE E1 PIP Installation

To verify the Project Portfolio Management: Primavera P6 - JDE E1 PIP installation:

1. Verify .
2. Log into the main Application Integration Architecture page.
3. From the Home page, select the **Setup** tab, and then click the **System** in the top menu bar.
4. Verify that a record exists for **JDEE1_01** and **P6EPPM_01** in **System Code** column.
5. Click **Configuration** in the top menu bar and verify that these configuration properties exist:

- ☐ SyncProjectListJDEE1ProvABCImpl
- ☐ SyncProjectListJDEE1ReqABCImpl
- ☐ SyncProjectListP6EPPMProvABCImpl
- ☐ SyncProjectListP6EPPMReqABCImpl
- ☐ SyncProjectResourceAvailabilityCalendarListP6EPPMProvABCImpl
- ☐ SyncProjectResourceRateScheduleListJDEE1ReqABCImpl
- ☐ SyncProjectResourceRateScheduleListP6EPPMProvABCImpl
- ☐ SyncProjectResourceSetListJDEE1ReqABCImpl
- ☐ SyncProjectResourceSetListP6EPPMProvABCImpl
- ☐ SyncProjLabExpendItemJDEE1ProvABCImpl
- ☐ SyncProjLabExpendItemP6EPPMReqABCImpl

☐ SyncResourceAvailabilityCalendarListJDEE1ReqABCSImpl

6. Log into the Application Server Control page.

7. In the **Members** section of the **Cluster Topology** page, click **oc4j_soa**.

8. Click the **Administration** in the top menu bar.

9. Under the **Services** section, click **Go To Task** button in the **JDBC Resources** row.

10. Log into ESB Control to verify that these connector services have been deployed:

☐ For JDEE1:

ProjectExtractJDEE1FileConsumer

ProjectExtractJDEE1FileConsumer_RS

ProjectExtractJDEE1FTPConsumer

ProjectExtractJDEE1FTPConsumer_RS

ResourceAvailabilityCalendarExtractJDEE1FileConsumer

ResourceAvailabilityCalendarExtractJDEE1FileConsumer_RS

ResourceAvailabilityCalendarExtractJDEE1FTPConsumer

ResourceAvailabilityCalendarExtractJDEE1FTPConsumer_RS

ResourceRateExtractJDEE1FileConsumer

ResourceRateExtractJDEE1FileConsumer_RS

ResourceRateExtractJDEE1FTPConsumer

ResourceRateExtractJDEE1FTPConsumer_RS

ResourceSetExtractJDEE1FileConsumer

ResourceSetExtractJDEE1FileConsumer_RS

ResourceSetExtractJDEE1FTPConsumer

ResourceSetExtractJDEE1FTPConsumer_RS

☐ For EBS:

ProjectEBS

ProjectExpenditureItemEBSV1

ProjectResourceRateScheduleEBSV1

ProjectResourceSetEBSV1

ResourceAvailabilityCalendarEBSV1

☐ For P6EPPM

ProjectListP6EPPMJMSConsumer

ProjectListP6EPPMJMSConsumer_RS

ProjectListP6EPPMJMSConsumer_Sequencer

ProjectListP6EPPMJMSProducer

11. Expand the BPEL node and verify that these BPEL processes have been deployed:

- ☐ SyncProjectListJDEE1ProvABCImpl
- ☐ SyncProjectListJDEE1ReqABCImpl
- ☐ SyncProjectListP6EPPMProvABCImpl
- ☐ SyncProjectListP6EPPMReqABCImpl
- ☐ SyncProjectResourceAvailabilityCalendarP6EPPMProvABCImpl
- ☐ SyncProjectResourceRateScheduleJDEE1ReqABCImpl
- ☐ SyncProjectResourceRateScheduleP6EPPMProvABCImpl
- ☐ SyncProjectResourceSetJDEE1ReqABCImpl
- ☐ SyncProjectResourceSetP6EPPMProvABCImpl
- ☐ SyncProjLabExpendItemListJDEE1ProvABCImpl
- ☐ SyncProjLabExpendItemListP6EPPMReqABCImpl
- ☐ SyncResourceAvailabilityCalendarJDEE1ReqABCImpl

12. Under the EBS node, click each item to view and verify the EBS diagram and routing rules.



13. From the ESB Control page, click the **Map** button in the top right corner of the page to access Domain Value Maps (DVMs).

14. Review and verify the DVMs for your PIP.

15. Log into the main Application Integration Architecture page.

16. Select **Service Repository** and then click **Integration Scenario** in the top menu bar.

17. On the **Integration Summary** page, click **Search**.

18. Click the link in the **Scenario Name** column to view additional information about the selected ABCS.

Verifying Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP Installation

To verify the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP installation:

1. Verify .

2. Confirm that the Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP components were successfully installed.

- a. Navigate to the **BPEL Console, Dashboard**. Verify that you can see the following Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical PIP BPEL processes:

```
UpdateClinicalStudyOCHHealthSciencesProvABCImpl
UpdateClinicalStudyOCHHealthSciencesReqABCImpl
UpdateClinicalStudySEBLHealthSciencesProvABCImpl
UpdateClinicalStudySEBLHealthSciencesReqABCImpl
```

- b. Navigate to the **ESB Console, AIASystem** service group. Verify that you can see the following Study, Subject and Visit Synch: Siebel Clinical - Oracle Clinical processes:

```
Adapter_UpdateClinicalStudyOCAQ
Adapter_UpdateClinicalStudyOCAQ_RS
Adapter_UpdateClinicalStudySEBLJMS
Adapter_UpdateClinicalStudySEBLJMS_RS
HealthSciencesClinicalStudyEBS
```

Verifying Utilities Field Work PIP

To verify the Utilities Field Work PIP installation:

1. Verify .
2. Confirm that the Utilities Field Work PIP components were successfully installed and verified in BPEL and the ESB Console.
 - a. Login to the **BPEL Console** and choose **Dashboard**. Verify that under Deployed BPEL Processes you can see the following BPEL processes:

```
OUCCB
CCBGetMeterDataProvService
CreateCustomerInteractionOUCCBUtilitiesProvABCImpl
CreateInvoiceOUCCBUtilitiesProvABCImpl
GetWOLineApptWinAvailOUCCBUtilitiesReqABCImpl
ProcessWorkOrderOUCCBUtilitiesProvABCImpl
ProcessWorkOrderOUCCBUtilitiesReqABCImpl
ProcessWorkOrderResponseOUCCBUtilitiesProvABCImpl
ValidateInstalledProductOUCCBUtilitiesProvABCImpl
OUMWM
CreateTimeSheetOUMWMUtilityReqABCImpl
```

GetWOLineApptWinAvailOUMWMUtilitiesProvABCImpl
 ProcessWorkOrderCompleteOUMWMUtilitiesReqABCImpl
 ProcessWorkOrderCreateOUMWMUtilitiesReqABCImpl
 ProcessWorkOrderOUMWMUtilitiesProvABCImpl
 ProcessWorkOrderResponseOUMWMUtilitiesProvABCImpl
 ProcessWorkOrderResponseOUMWMUtilitiesReqABCImpl
 ProcessWorkOrderStatusOUMWMUtilitiesReqABCImpl
 ValidateInstalledProductOUMWMUtilitiesReqABCImpl

Ouwam

CreateCustomerInteractionOUWAMUtilitiesReqABCImpl
 CreateInvoiceOUWAMUtilitiesReqABCImpl
 CreateTimeSheetOUWAMUtilitiesProvABCImpl
 ProcessWorkOrderCompleteOUWAMUtilitiesReqABCImpl
 ProcessWorkOrderCreateOUWAMUtilitiesReqABCImpl
 ProcessWorkOrderOUWAMUtilitiesProvABCImpl
 ProcessWorkOrderResponseOUWAMUtilitiesProvABCImpl
 ProcessWorkOrderUpdateOUWAMUtilitiesReqABCImpl
 ValidateInstalledProductOUWAMUtilitiesReqABCImpl

- b. Login to the **ESB Console** under AIA System service group. Verify that you can see the following ESB processes:**

EBS with and without Routing Rules

TimeSheetEBS
 UtilitiesCustomerInteractionEBS
 UtilitiesCustomerInteractionResponseEBS
 UtilitiesInstalledProductEBSV2
 UtilitiesInvoiceEBSV2
 UtilitiesWorkOrderEBS
 UtilitiesWorkOrderResponseEBS

Ouwam

ProcessWorkOrderOUWAMUtilitiesJMSConsumer
 ProcessWorkOrderOUWAMUtilitiesJMSConsumer_RS
 ProcessWorkOrderOUWAMUtilitiesJMSProducer
 WAMGetMeterDataReqService

Ouccb

CreateInvoiceOUCCBUtilitiesJMSConsumer

```

CreateInvoiceOUCCBUtilitiesJMSConsumer_RS
CreateInvoiceOUCCBUtilitiesJMSProducer
ProcessWorkOrderOUCCBUtilitiesJMSConsumer
ProcessWorkOrderOUCCBUtilitiesJMSConsumer_RS
ProcessWorkOrderOUCCBUtilitiesJMSProducer
OUMWM
ProcessWorkOrderOUMWMUtilitiesJMSConsumer
ProcessWorkOrderOUMWMUtilitiesJMSConsumer_RS
ProcessWorkOrderOUMWMUtilitiesJMSProducer

```

Setting up JDeveloper 10g for AIA

To set up your JDeveloper environment and to include AIA shipped custom XSL functions into the library, follow the steps in the read me file under `<AIA_HOME>/util/CustomXPathConfigurator`.

All AIA artifacts (BPEL and ESB processes) in AIA Home include the JDeveloper projects (.jpr files) along with the source code. These are available under `<AIA_HOME>/PIPS` for PIP artifacts within the folders of individual processes.

The default build.xml for the BPEL processes under AIA_HOME is tokenized. So rename the jdev-build.xml(also available in the same folder under AIA_HOME) to build.xml and use this instead, when using JDeveloper.

Once the necessary modifications are done to these processes, copy the modified code back into AIA Home and deploy it using 'ant' to ensure that AIA Home is in sync with the currently deployed version of the service.

To Set up JDeveloper 10g for AIA:

1. Run the following commands in your environment.

Platform	Command
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	source <AIA_HOME>/bin/aiaenv.sh
Microsoft Windows (32-bit)	<AIA_HOME>\bin\iaaenv.bat
IBM AIX Based Systems (64-bit)	. <AIA_HOME>/bin/aiaenv.sh

2. Run the following commands to deploy the process from the folder of each of the modified processes.

Platform	Command
Linux x86 Solaris SPARC (64-bit)	ant --noconfig

IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	ant

Note: You need not import EBOs while using JDeveloper. You can continue to hold all the dependencies in the server itself as the EOL content is accessed using URLs (<http://server:port/AIAComponents/>).

Chapter 38: Uninstalling Oracle AIA

This chapter includes the following sections:

- Removing AIA Artifacts from the Service Registry
- Removing PIP Specific Artifacts Published to the BSR
- Uninstalling AIA from the Oracle Application Server
- Uninstalling DVMs and XREFs of PIPs
- Uninstalling Siebel CRM to OIC ODI Artifacts
- Uninstalling Financials Ops Control: Oracle Retail - PSFT PIP ODI Artifacts
- Uninstalling Financials Ops Control: Oracle Retail - EBIZ PIP ODI Artifacts
- Uninstalling Comms Agent Assisted Billing Care: Siebel CRM – BRM ODI Artifacts
- Uninstalling Comms Revenue Accounting: EBS - BRM PIP ODI Artifacts
- Uninstalling Demantra Sales and Ops Planning Integration for Hyperion Planning ODI Artifacts
- Uninstalling VCP to JDE E1 Integration
- Verifying Uninstall Processes

Note: If you have installed a PIP(s) on Foundation Pack, you cannot uninstall Foundation Pack or PIP(s) individually. You must uninstall both Foundation Pack and the PIP(s).

AIA Installer provides the following uninstall options:

☐ Uninstall Foundation Pack.

Note: If you have deployed Foundation Pack Demo, undeploy it before you uninstall Foundation Pack as it does not get undeployed automatically when you uninstall Foundation Pack.

☐ Uninstall Foundation Pack and the PIPs.

Note: Before uninstalling, you must consider the impact on any customizations you have made.

For more information about preserving your customizations, see chapter.

Removing AIA Artifacts from the Service Registry

Use the BsrCleanProvider script to remove design-time artifacts from the Oracle Service Registry. This script clears the UDDI server of all BSR-related artifacts.

For more information, see Oracle Application Integration Architecture – Foundation Pack: Core Infrastructure Components Guide, “Removing BSR and Registry Content Using Publication Scripts.”

Note: Do not run this script unless you are undeploying the entire Oracle AIA instance.

This utility performs the following operations:

- ☐ Deletes business entities with UDDI keys with a prefix of “uddi:oracle.com.”
- ☐ Deletes Web Services Description Language (WSDL) services with UDDI keys with a prefix of “uddi:oracle.com.”
- ☐ Deletes all tModels with namespaces that start with or UDDI keys that start with “uddi:oracle.com.”
- ☐ Deletes BSR taxonomy definitions.

Note: If your UDDI server contains other non-BSR-related Oracle artifacts with namespaces that start with <http://xmlns.oracle.com>, those artifacts will be removed. Ensure that you back up your data first.

Removing PIP Specific Artifacts Published to the BSR

The BSR is one of the core infrastructure components installed with the Foundation Pack. When you install a PIP, PIP specific artifacts populate the BSR. When you uninstall PIPs, the PIP artifacts; WSDLs and XSDs are not automatically removed from the BSR. Before uninstalling, you must manually unpublish the artifacts from BSR.

For more information, see Oracle Application Integration Architecture – Foundation Pack: Core Infrastructure Components Guide, “Removing BSR and Registry Content Using Publication Scripts.”

If you still find artifacts in UDDI, use the following steps to remove them manually.

To manually remove PIP-specific artifacts published to the BSR:

1. Remove the WSDLs associated with the uninstalled PIPs.

- a. Log in to the registry business service control page as an administrator.
Example: <http://ap6035fems.us.oracle.com:7828/registry/uddi/bsc/web>
 - b. Go to **Catalog** and click **WSDL Services**.
 - c. Select **List all services** or **Search services** to locate services you want to delete.
You can find the services associated with each process integration that are delivered with a PIP in the Oracle AIA process integration implementation guides.
 - d. Search for all services with a provider of **Oracle AIA Design Time** and **Oracle AIA Runtime**.
 - e. Click **Select All** and select the **Delete** value in the drop-down list box.
 - f. Click **Go**.
 - g. The system displays a confirmation prompt on a new page.
 - h. Click **Yes** to remove the selected WSDLs and their associated services.
2. Remove the XSDs associated with the uninstalled PIPs.
 - a. Log in to the registry business service control page as an administrator.
Example: <http://ap6035fems.us.oracle.com:7828/registry/uddi/bsc/web>
 - b. Go to **Catalog** and click **XSD Documents**.
 - c. Select the **List all XSD documents** or **Search XSD documents** link to locate XSDs you want to delete, and select them.
 - d. Select the **Delete** value in the drop-down list box and click **Go**.
 - e. The system displays a confirmation prompt on a new page.
 - f. Click **Yes** to remove the selected XSD and their associated services.

Note: The system displays an error if an XSD selected for deletion has references to other XSDs. You must delete any referenced XSDs associated with the selected XSD before you can successfully complete the deletion process. To avoid these errors, delete XSDs in the following order: 1) EBM XSDs, 2) EBO XSDs, and 3) common XSDs.

Uninstalling AIA from Oracle Application Server

To uninstall AIA from Oracle Application Server:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform

Platform	To launch the Oracle AIA Installer:
Linux x86	At the command line prompt, enter:

Platform	To launch the Oracle AIA Installer:
Solaris SPARC (64-bit)	<code>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</code>
IBM AIX Based Systems (64-bit)	
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	Double-click setup.exe

- Click **Installed Products** from any screen. The **Inventory – Contents** screen appears.
- Select **AIA Home** and click **Remove**.

If you have installed a PIP(s) on Foundation Pack, you cannot uninstall Foundation Pack or PIP(s) individually. You must uninstall both Foundation Pack and the PIP(s).

When you click **Remove**, Installer removes all references to the selected Oracle AIA product files from the Oracle SOA Suite home directory and undeploys the selected Oracle AIA products.

- Confirm product removal selections.
 - ☐ Click **No** to return to the Inventory - Contents screen to adjust your selections.
 - ☐ Click **Yes** to launch the uninstall processes.

The system displays the progress of the uninstall processes.

Uninstalling DVMs and XREFs of PIPs

DVMs and XREFs of PIPs do not get automatically uninstalled when you uninstall AIA using AIA Installer. You need to manually delete them.

Uninstalling DVMs

To uninstall DVMs:

- Open **ESB Console** and log in.
- Click the **Maps** button on the top right corner.
ESB Console displays the DVMs in the left frame.
- Select the PIP specific DVMs and click **Delete**.

For the list of DVMs for your PIP, refer to your PIP Implementation Guide.

Uninstalling XREFs

To uninstall XREFs:

1. Telnet to the SOA Server and change directory to xreftool home.

For Example: `-bash-3.00$ cd $SOA_HOME/integration/esb/bin`

2. Set the following environment variables.

For Example:

```
-bash-3.00$ export OC4J_USERNAME=oc4jadmin
-bash-3.00$ export OC4J_PASSWORD=welcome1
-bash-3.00$ export DB_USER=aia
-bash-3.00$ export DB_PASSWORD=aia
-bash-3.00$ export DB_URL=
```

3. Delete cross-reference tables specific to the PIPs using the xreftool.

For information about how to delete the XREFs using the xreftool, refer to . For the list of XREF entities for your PIP, refer to your PIP Implementation Guide.

Uninstalling Siebel CRM to OIC ODI Artifacts

To uninstall the ODI artifacts, you must remove them from the work and master repositories.

To uninstall Siebel CRM to OIC ODI artifacts from the work repository:

1. Launch ODI Designer [`<ODI_HOME>/oracledi/bin/designer.sh` (or `.bat` for Windows)] and connect to the work repository holding the ODI artifacts.

2. Delete the following projects in the **Projects** tab:

SiebelCRMTToEbizOICSalesOrderProject

SiebelCRMTToEbizORMProject

3. Delete the following data model in the **Models** tab:

SiebelCRMTToEbizModelFolder

If this ODI work repository contains only the Siebel CRM to OIC integration code, then the database user can be dropped from the database. To drop the database user, ask your database administrator for assistance.

To uninstall Siebel CRM to OIC ODI artifacts from the master repository:

1. Launch ODI Topology.

2. Delete the following data sources in the **Physical Architecture** tab:

AIAConfigurationProperties

AIADS

EbizDS

SiebelDS

OICBUToPreProcessFlagDVM

OICCountryDVM

OICCcurrencyDVM

OICSalesOrderActionCodeDVM

OICStateDVM

OICUnitOfMeasureDVM

3. Delete the following context in the **Context** tab:

SiebelCRMTToEbizOICContext

4. Delete the following logical schemas in the **Logical Architecture** tab:

AIAConfigurationProperties

ESB_XREF

EbizOIC

OICBUToPreProcessFlagDVM

OICCountryDVM

OICCcurrencyDVM

OICSalesOrderActionCodeDVM

OICStateDVM

Uninstalling Financials Ops Control: Oracle Retail - PSFT PIP ODI Artifacts

To uninstall the PIP ODI artifacts, you need to remove them from the Work repository and the Master repository.

To uninstall Financials Ops Control: Oracle Retail - PSFT PIP ODI artifacts from the Work repository:

1. Launch ODI Designer [<ODI_HOME>/oracledi/bin/designer.sh (or .bat for windows)] and connect to the work repository holding the PIP artifacts.

2. Delete the following projects in the **Projects** tab:

RMS To PSFT Acct Entry Project

ReIM To PSFT Acct Entry Project

ReIM to PeopleSoft Invoice Project

3. Delete the following data models in the **Models** tab:

Oracle Retail To PeopleSoft

RMS To PeopleSoft Accounting Entry

ReIM To PSFT Invoice

ReIM To PeopleSoft Accounting Entry

If this ODI Work Repository contains only the Financials Ops Control: Oracle Retail - PSFT PIP code, then the database user can be dropped from the database. To drop the database user, ask your database administrator for assistance.

To uninstall Financials Ops Control: Oracle Retail - PSFT PIP ODI artifacts from the Master repository:

1. Launch ODI Topology.

2. Delete the following data sources in the **Physical Architecture** tab:

☐ IBM DB2 UDB Technology:

PSFT_DB2_DS *

Note: You can delete the **IBM DB2 UDB** data source only if PeopleSoft is installed on an IBM DB2 database.

☐ Oracle Technology:

AIA SCHEMA DS

ORACLE RETAIL DS

PEOPLESOFT DS

XML Technology:

AIA Configurations Properties DS

Business Unit AP DS

Business Unit GL

Currency Code DS

Exchange Rate Type DS

3. Delete the following contexts in the **Context** tab

RELT_TO_PSFT

RETL_TO_PSFT_DB2*

Note: You can delete the **RETL_TO_PSFT_DB2** context only if PeopleSoft is installed on an IBM DB2 database.

4. Delete the following logical schemas in the **Logical Architecture** tab:

☐ IBM DB2 UDB

PSFT_DB2_LogicalSchema

☐ Oracle:

ESB_XREF

PeopleSoft

Retail

XML:

AIAConfigSchema

Business Unit AP

BusinessUnitGL

Currency

Exchange Rate

Reinstalling the Financials Ops Control: Oracle Retail - PSFT PIP

If you are reinstalling the PIP, it is recommended you uninstall the PIP ODI Artifacts prior to running the installation.

Uninstalling Financials Ops Control: Oracle Retail - EBIZ PIP ODI Artifacts

To uninstall the PIP ODI artifacts, you need to remove them from the Work repository and the Master repository.

To uninstall Financials Ops Control: Oracle Retail - EBIZ PIP ODI artifacts from the Work repository:

1. Launch ODI Designer [<ODI_HOME>/oracledi/bin/designer.sh (or .bat for windows)] and connect to the work repository holding the PIP artifacts.
2. Delete the following projects in the **Projects** tab:

RMS To EBIZ Acct Entry Project

ReIM To EBIZ Acct Entry Project

ReIM to EBIZ Invoice Project

3. Delete the following data models in the **Models tab:**

Oracle Retail To EBIZ

Oracle Retail to EBIZ Acc Entry - RMS

Oracle Retail to EBIZ Acc Entry - ReIM

Oracle Retail to EBIZ Invoice Entry

If this ODI Work Repository contains only the Financials Ops Control: Oracle Retail - EBIZ PIP code, then the database user can be dropped from the database. To drop the database user, ask your database administrator for assistance.

To uninstall Financials Ops Control: Oracle Retail - EBIZ PIP ODI artifacts from the Master repository:

1. Launch ODI Topology.

2. Delete the following data sources in the **Physical Architecture tab:**

Oracle Technology

AIA SCHEMA DS

EBIZ DS

RETAIL DS

XML Technology

AIA Configuration Properties DS

Business Unit DS

Currency Code DS

Tax Code DS

3. Delete the following contexts in the **Context tab.**

RELT_TO_EBIZ

4. Delete the following logical schemas in the **Logical Architecture tab:**

Oracle

EBIZ_AP

EBIZ_GL

ESB_XREF

Retail

XML

AIAConfigSchema

BusinessUnit

Currency

TaxCode

Reinstalling the Financials Ops Control: Oracle Retail - EBIZ PIP

If you are reinstalling the PIP, it is recommended you uninstall the PIP ODI Artifacts prior to running the installation.

Uninstalling Comms Agent Assisted Billing Care: Siebel CRM – BRM ODI Artifacts

To uninstall the PIP ODI artifacts, you need to remove them from the Work repository and the Master repository.

To uninstall Comms Agent Assisted Billing Care: Siebel CRM – BRM PIP ODI artifacts from the Work repository:

1. Launch ODI Designer [<ODI_HOME>/oracledi/bin/designer.sh (or .bat for windows)] and connect to the work repository holding the PIP artifacts.

2. Delete the following projects in the **Projects** tab:

AIA Collections Project

3. Delete the following data models in the **Models** tab:

Collections Model Folder

4. Delete the following global variables from the **Others** tab:

Coll_EndTime

Coll_StartTime

If this ODI Work Repository contains only the Comms Agent Assisted Billing Care: Siebel CRM – BRM code, then the database user can be dropped from the database. To drop the database user, ask your database administrator for assistance.

To uninstall Comms Agent Assisted Billing Care: Siebel CRM – BRM PIP ODI artifacts from the Master repository:

1. Launch ODI Topology.
2. Delete the following data sources in the **Physical Architecture** tab:

AIA Config Properties DS

Collection Action Name

Collection Priority DS

Collection Status Mapping

Collection Substatus Model

Currency DS

AIA DS

Oracle BRM DS

Siebel DS

3. Delete the following logical schemas in the **Logical Architecture** tab:

AIAConfigurationSch

CollActionNameLS

PrioritySchema

StatusSchema

SubstatusSchema

CurrencyMappingSchema

AIASchema

BRMSchema

SiebelSchema

Reinstalling the Comms Agent Assisted Billing Care: Siebel CRM – BRM PIP

If you are reinstalling the PIP, it is recommended you uninstall the PIP ODI Artifacts prior to running the installation.

Uninstalling Comms Revenue Accounting: EBS - BRM PIP ODI Artifacts

To uninstall the PIP ODI artifacts, you need to remove them from the Work repository and the Master repository.

To uninstall Comms Revenue Accounting: EBS - BRM PIP ODI artifacts from the Work repository:

1. Launch ODI Designer [<ODI_HOME>/oracledi/bin/designer.sh (or .bat for windows)] and connect to the work repository holding the PIP artifacts.
2. Delete the following projects in the **Projects** tab:

Portal To Oracle GL Project

3. Delete the following data models in the **Models** tab:

Portal To Oracle GL Model Folder

If this ODI Work Repository contains only the Comms Revenue Accounting: EBS - BRM code, then the database user can be dropped from the database. To drop the database user, ask your database administrator for assistance.

To uninstall Comms Revenue Accounting: EBS - BRM PIP ODI artifacts from the Master repository:

1. Launch ODI Topology.
2. Delete the following data sources in the **Physical Architecture** tab:

AIA Configuration Properties DS

Portal GL Data DS

Currency Code Mapping DS

AIA Schema DS

Oracle GL Interface DS

Oracle GL 11 DS

3. Delete the following contexts in the **Context** tab

Portal To GL Context

4. Delete the following logical schemas in the **Logical Architecture** tab:

AIAConfigSchema

PortalGL

Currency

AIA

OracleGL

OracleGL11

Reinstalling the Comms Revenue Accounting: EBS - BRM PIP

If you are reinstalling the PIP, it is recommended you uninstall the PIP ODI Artifacts prior to running the installation.

Uninstalling Demantra Sales and Ops Planning Integration for Hyperion Planning ODI Artifacts

To uninstall the Demantra Sales and Ops Planning Integration for Hyperion Planning ODI artifacts:

1. Drop the Demantra Sales and Ops Planning Integration for Hyperion Planning specific Work repository schema.

If the master repository is setup only for Demantra Sales and Ops Planning Integration for Hyperion Planning, then drop the master repository schema. If master repository schema is also being used for some other PIPs, then manually delete all the ODI artifacts as mentioned below.

2. Launch ODI Topology Manager.
3. On the **Physical Architecture** tab, delete the following Data Servers and physical agents.

Technology	Data Servers
Hyperion Essbase	HyperionDS
Oracle	DemantraDS ODIWorkRepositoryDS
Agents	HyperionToDemantraAgent

4. On the **Context** tab, delete **HyperionToDemnatraContext**.
5. On the **Logical Architecture** tab, delete the following schemas:

Technology	Schemas
Hyperion Essbase	HyperionSchema
Oracle	DemantraSchema ODIWorkRepositorySchema
Agents	HyperionToDemantraAgent

Reinstalling the Demantra Sales and Ops Planning Integration for Hyperion Planning

If you are reinstalling the Demantra Sales and Ops Planning Integration for Hyperion Planning, it is recommended you uninstall the PIP ODI Artifacts prior to running the installation.

Uninstalling VCP to JDE E1 Integration

OUI installer does not completely uninstall VCP to JDE E1 Integration.

To completely uninstall Oracle VCP to JDE E1 Integration:

1. If the master repository is set up for VCP JDE E1 Integration, drop the master repository schema.
2. If the master repository is used for other PIPs, manually delete all ODI Artifacts that are specific to VCP JDE E1 Integration as specified in the chapter.
3. Drop the VCP JDE E1 Integration work repository schema.

Warning: When you manually delete ODI artifacts, do not delete objects with the names FILE_GENERIC, XML_GEO_DIM, FILE_DEMO_SRC, or XML_DEMO_GEO from the physical and logical architecture tabs in the Topology Manager

Verifying Uninstall Processes

If you chose to uninstall the AIA Home directory and its installed processes, navigate to the AIA Home directory and delete any residual files. You may have added additional files to the home directory that the Oracle AIA Installer did not automatically remove.

Also identify associated BPEL and ESB services and confirm that these services are no longer shown in the BPEL and ESB consoles. See chapter for instructions on how to access the BPEL and ESB consoles.

For more information about which services are associated with which delivered components, see the Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide.

Chapter 39: Upgrading Oracle AIA

This chapter provides an overview of AIA upgrade and includes the following sections:

- Understanding AIA Upgrade
- Upgrading Foundation Pack
- Performing Post Upgrade Tasks for AIA

This chapter also discusses how to upgrade PIPs and Direct Integrations.

Related Documents

A full list of documentation resources is available on [Oracle Documentation Center](#). Read these appropriate references before you upgrade:

If you are looking for information about...	Refer to these documents...
Installation and getting started	Oracle Application Integration Architecture – Foundation Pack: Getting Started with the Oracle AIA Foundation Pack and Demo
Product-specific features	Release Content Document (RCD) Transfer of Information (TOI)

Understanding AIA Upgrade

AIA Installer automatically upgrades your existing version of Foundation Pack (either 2.3 or 2.4) to Foundation Pack 2.5. However, for PIPs, you need to manually run the upgrade scripts after you upgrade Foundation Pack. This chapter provides information about the possible impact to your existing AIA implementation when you upgrade.

Note: If you are using an AIA Foundation Pack release that is earlier than 2.3, first upgrade to release 2.3 or 2.4 using the respective upgrade guides and then upgrade to 2.5 using this guide.

AIA Installer does not republish AIA content to the service registry when you upgrade from Foundation Pack 2.3 or 2.4 to 2.5. To upgrade the registry with AIA 2.5 content, you need to manually republish.

For more information and instructions, refer to the Oracle Application Integration Architecture - Foundation Pack 2.5: Core Infrastructure Components Guide, "Publishing and Unpublishing Content in the Business Service Repository and Registry."

This release supports two upgrade scenarios:

- Upgrade from AIA Foundation Pack release 2.3 to 2.5
- Upgrade from AIA Foundation Pack release 2.4 to 2.5

AIA Foundation Pack 2.5 contains bug fixes in Core Infrastructure areas (CAVS, BSR, and so on). When you upgrade from 2.3 or 2.4 to 2.5, these applications get redeployed. However, the upgrade does not have any impact because your data is preserved and all fixes are backward compatible.

Software and Hardware Requirements

The system requirements for the upgrade (CPU/memory/disk space) are the same as those discussed under .

Upgrading Foundation Pack

This section the tasks that you need to perform to upgrade foundation pack.

Performing Pre-Upgrade Tasks for Foundation Pack

This section discusses the key tasks that you need to perform before you upgrade to Foundation Pack 2.5:

Back up extended solution artifacts.

Following the AIA extensibility model, as documented in the extensibility sections of the *Oracle Application Integration Architecture – Foundation Pack: Concepts and Technologies Guide* and the *Oracle Application Integration Architecture – Foundation Pack: Integration Developer's Guide*, you would have created or updated one or more of the following artifacts:

☐ Custom EBOs:

These are AIA schema extensions performed on EBOs. Though the AIA Foundation Pack Installer automatically preserves these schema extensions, it is advisable to back up the custom directory. For example, all custom xsd files for core EBOs are accessed as

If you are using the oracle application server, you can access this folder from
 SOA_HOME/Apache/Apache/htdocs/
 AIAComponents/EnterpriseObjectLibrary/Core/Custom/EBO/

☐ Custom XSLTs:

These are the extensions performed on the AIA Transformation style sheet. Foundation Pack does not contain any Extensible Stylesheet Language Transformations (XSLTs) for its components and utilities. Because the process content is delivered only in Process Integration Packs (PIPs), you need to manually back up the XSLTs if you have developed any for the custom integrations, and reapply them as a post-upgrade step.

☐ Custom EBS WSDL:

If you have customized any EBS WSDL that is delivered / shipped with AIA Foundation Pack, you need to back it up and restore it manually as a post-upgrade step.

Back up configuration files.

Back up the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME.

- ☐ AIA Foundation Pack Installer does not republish AIA content to the service registry when you upgrade from Foundation Pack 2.3 or 2.4 to the 2.5 version. If you want to ensure that your registry is updated with the 2.5 content, then you must manually republish.

For instructions, refer to the *Oracle Application Integration Architecture - Foundation Pack: Core Infrastructure Components Guide*.

- ☐ Because AIA Demo gets continuously enhanced and bugs get fixed, you need to undeploy the previous version of the AIA Demo and deploy the newer version to leverage these changes. AIA Demo does not automatically get upgraded.

For instructions on undeploying the AIA Demo, refer to the chapter.

When you are finished with the AIA Foundation Pack upgrade, refer to the chapter.

Performing Upgrade Process for Foundation Pack

Launching the Oracle AIA Installer

To launch Oracle AIA Installer:

1. Navigate to **Disk1/install**.
2. Follow the launch instructions for your platform.

Platform	To launch the Oracle AIA Installer:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>./runInstaller -invPtrLoc <SOA_HOME>/oraInst.loc</pre>
Microsoft Windows (32-bit)	Double-click setup.exe

3. Click **Next**.

Choosing the Existing Home Directory

To choose the home directory where the existing version of Foundation Pack is installed:

1. Specify the home directory of your existing AIA implementation.

Note: Provide the directory where Foundation Pack 2.3 or 2.4 was installed. The path should be available in the drop-down list box. When you select the current home directory, AIA Installer disables the rest of the options in the screen and displays the information related to AIA (product name and version number) that are in the directory.

2. Click **Next**.

Running the Directory Selection and Upgrade Process

To run the directory selection and upgrade process:

1. On the **Summary** screen, review the summary of upgrade information.

The summary screen provides information about the existing AIA Foundation Pack installation.

2. Click **Install**. This upgrades the Foundation Pack version.

Note: Click **Installed Products** to check whether the AIA Foundation Pack 2.5 PatchSet has been applied.

Only Foundation Pack gets upgraded automatically with AIA Installer. PIP-related files get copied to the specified location. You need to manually execute the PIP upgrade scripts to complete the upgrade.

Performing Post-Upgrade Tasks for Foundation Pack

You need to perform the following key tasks after you successfully upgrade to Foundation Pack 2.5:

- ☐ Merge extensions.

Any xsl extensions and wsdl customizations maintained in AIA HOME / SOA HOME must be merged with the pre-upgrade backup changes after comparison.

- ☐ Restore customizations.

Any custom code developed and maintained in AIA HOME / SOA HOME must be restored.

- ☐ Deploy any custom processes that were developed.

- ☐ If you plan to use any of the enhanced or new features in Foundation Pack 2.5, including the EBO changes, you must update these custom processes before redeployment.

- ☐ Upgrading ABCS Service Generator input.xml

- ☐ The input.xml files created in previous versions of the foundation pack do not directly work with 2.5 version of ABCS Service generator. You need to move GenerateReferenceWSDLFileIndicator element from GenerateOutputFiles section to each TargetService where you need reference WSDL. This flag needs to be added to each of the targetservice section.
- ☐ Log in to the AIA Console to verify that the following components are working:
- ☐ BSR:

Ensure that the services and objects can be searched for and viewed. If you had any Integration scenarios published, check whether they are accessed as well.
- ☐ CAVS:

Check that the existing Test and Simulator definitions defined can still be viewed and are functional.
- ☐ Error Handling and Setup:

Verify that the existing setup data (Setup Tab Page) is unchanged and two new columns (ERROR_TYPE, ERROR_EXT_HANDLER) are added to the Error Notifications table.

Perform additional post upgrade tasks as described in section.

Note: Once you upgrade your foundation pack, installation of new PIPs available in that release should be possible. However, refer to the Oracle Application Integration Architecture 2.5: Known Issues and Workarounds document on My Oracle Support.

Upgrading the Design to Release: Agile - EBS / PIM PIP

Upgrade first and then upgrade the Design to Release: Agile - EBS / PIM PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Design to Release: Agile - EBS / PIM PIP

To upgrade the Design to Release: Agile - EBS / PIM PIP from version 2.3 or 2.4 to 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade Design to Release: Agile - EBS / PIM PIP. Before you run the upgrade script, perform the following tasks:

- Back up the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME, as the upgrade script overwrites it. The upgrade script adds some new properties to the configuration file. The previous values will have to be reentered in the new AIAConfigurationProperties.xml file.
- Take a backup of the existing DVMs, as the upgrade scripts modify them.

- Back up the xref_data table in the AIA schema.
- If Oracle EBS release is R12, then make sure that Oracle E-Business Suite patch supporting 2.5 has been applied on the Oracle EBS and the GIN/SDO service is deployed. And, proper access is granted for executing this service.

Refer Agile Product Lifecycle Management Integration Pack for Oracle E-Business Suite: Design to Release 2.5 – Implementation Guide for feature changes.

- Verify that there are no concurrent programs running on the Oracle E-Business Suite system that update the Agile PLM system.
- Suspend the Change Order Queue from Queue UI.
- Verify that there are no ECOs released on the Agile PLM system and make sure that no rows are in Processing, Errored or Pending states.

Overview of the Upgrade Script Functionality

The following are the main tasks performed by the upgrade script:

- Undeploys all ESB services and BPEL services that are a part of the AIA 2.3 or AIA 2.4 Design to Release: Agile - EBS / PIM PIP.
- Copies upgraded Application Object Library and WSDLs to AIAComponents on the server.
- Deploys the Agile PLM AIA2.5 version BPEL and ESB processes.
- Replaces the AIAConfigurationProperties.xml with a new AIAConfigurationProperties.xml that carries the new properties.
- Applies DVM and XREF related changes for AIA 2.5 Agile PLM PIP.

Running Upgrade Scripts for the Design to Release: Agile - EBS / PIM PIP

Before you upgrade the PIP from version 2.3 or 2.4 to version 2.5, you need to apply the following patches to Oracle E-Business Suite:

- Apply 11i.ATG_PF.H.RUP4 patch 4676589(if not already applied) + patch 8640254 if your Oracle E-Business Suite version is 11.5.10CU2.
- If you are migrating the Oracle E-Business Suite release from 11.5.10CU2 to R12.1.1, apply the patch 8640262:R12.INV.B on top of 12.1.1 patch before you upgrade the PIP and then.
- For upgrading to the EBS 12.1.1 with PIM and Agile VM option, you need to apply 8640262:R12.INV.B and 8622332:R12.CZ.B patches.
- If you are upgrading to the PIP for Agile PLM release '9.3x with VM', make sure that the

Core Patch of Variant Management is installed. Contact Agile Administrator for details.

1. Run the aiaenv.sh script located in the \$AIA_HOME/bin directory.
2. Verify that the script correctly sets the AIA_HOME and ORACLE_HOME environment variables.
3. Add the property named 'ebiz.version' in the file \${AIA_HOME}/config/deploy.properties with the appropriate Oracle E-Business Suite version.

For R12, it is 12.1.1

For 'R12 with PIM', it is '12.1.1 with PIM'

For 11i, it is 11.5.10.2

4. Add the property named 'agile.version' in the file \${AIA_HOME}/config/deploy.properties with the appropriate Agile PLM version:

For Agile 9.2.2.x, it is 922x

For Agile 9.3.0.0, it is '93x'

For Agile 9.3.0.0 with VM, it is '93x_With_VM'

5. Execute the upgrade script located at
AIA_HOME>/patchset/PIPS/Core/Setup/AgilePLM/Upgrade.

In Unix - upgradeplmpip.sh

In Windows – upgradeplmpip.bat

Performing Post-Upgrade Tasks for Design to Release: Agile - EBS / PIM PIP

1. Deploy the PLM PIP components on the Agile PLM server as described in .
2. Perform additional post upgrade tasks as described in section

Upgrading the Design to Release: Agile - SAP PIP

Upgrade first and then upgrade the Design to Release: Agile - SAP PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Design to Release: Agile - SAP PIP

To upgrade the Design to Release: Agile - SAP from version 2.3 or 2.4 to 2.5, you need to manually execute the Upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade Design to Release: Agile - SAP. Before you run the upgrade, perform the following tasks:

- Backup the AIAConfigurationProperties.xml file located in the "Config" folder under the AIA HOME, as the upgrade script will overwrite it. The upgrade script adds some new

properties to the configuration file. The previous values will have to be reentered in the new `AIAConfigurationProperties.xml` file.

- Take a backup of the existing DVMs, as the upgrade scripts will modify them.
- Back up the `xref_data` table in the AIA schema.
- Suspend the Change Order Queue from Queue UI and make sure that no rows are processing.
- Verify that there are no pending ECOs in the Queue UI.

Overview of the Upgrade Script Functionality

The following are the main tasks performed by the upgrade script:

- Un-deploys all ESB services and BPEL services that are a part of the AIA 2.3 or 2.4 Agile SAP PIP.
- Copies upgraded Application Object Library and WSDLs to AIAComponents on the server.
- Re-deploys the Agile SAP PIP 2.5 version BPEL and ESB processes.
- Replaces the `AIAConfigurationProperties.xml` with a new `AIAConfigurationProperties.xml` that has new properties.
- Applies DVM and XREF related changes for AIA 2.5 Agile SAP PIP.

To Upgrade from 2.3/2.4 to 2.5

1. Add the following properties to the existing `${AIA_HOME}/Config/deploy.properties` file (Required for 2.3 to 2.5 upgrade only)

```

pip.oracle.aia.agilesap.version=2.3.0.0.0
sap.server.name= (SAP Server name Eg. example1.corp.oracle.com)
sap.system.number=(SAP System number Eg.01)
sap.system.id=(SAP System id Eg.00)
sap.client.id=(SAP Client id Eg.250)
sap.username=(SAP Username Eg.SIERRA)
sap.language=(SAP Language Eg.EN)
sap.codepage=(SAP Codepage eg.1100)
sap.gateway.service=(SAP gateway service eg.sapgw00)
sap.connectionpool.size=(SAP Connection pool size eg.2)
sap.gateway.host=(SAP gateway host eg. example1.corp.oracle.com)
sap.program.id=(SAP program id eg.Agile)
sap.sender.port=(SAP sender port eg.PIPPORT)
sap.receiver.port=(SAP receiver port eg.AGILE200)
sapdetails.captured=true (SAP details captured possible values
true/false)
sap.password=(SAP pwd)
pip.home=${AIA_HOME}
agile.host=(Agile host name eg.atgagile)
agile.port=(Agile port eg.80)
agile.path=(Agile path eg.Agile)

```

```

agile.user=(Agile user eg.admin)
agile.version=(Agile version eg.922x)
agile.password=(Agile password)

```

2. Add the following property "LANG_LOCALE" to the existing
\${AIA_HOME}/Config/AIAConfiguration.xml file (Required for 2.3 to 2.5 upgrade only)

```

<ModuleConfiguration moduleName="SAP">
  <Property name="LANG_LOCALE">en-US</Property>
</ModuleConfiguration>

```

3. Upgrade the FP from 2.3 or 2.4 to 2.5
4. Add the following properties to the existing \${AIA_HOME}/
patchset/PIPS/Core/Setup/AgileSAP/Install/AgileSAP.properties file

```
pip.db.user=plmpip
```

```
pip.db.password=plmpip
```

```
dbuser=plmpip
```

```
dbpwd=plmpip
```

5. Go to the upgrade folder \${AIA_HOME}/patchset/PIPS/Core/Setup/AgileSAP/Upgrade.
6. Run the upgradeplmpip.sh file or upgradeAgileSAPpip.bat

Running Upgrade Scripts for the Design to Release: Agile – SAP PIP

1. Run the aiaenv.sh script located in the \$AIA_HOME/bin directory.
2. Verify that the script correctly sets the AIA_HOME and ORACLE_HOME environment variables.
3. Execute the upgrade script located at
\${AIA_HOME}/patchset/PIPS/Core/Setup/AgileSAP/Upgrade.

In Unix - upgradeplmpip.sh

In Windows – upgradeAgileSAPpip.bat

Performing Post-Upgrade Tasks for the Design to Release: Agile - SAP PIP

1. Deploy the PLM PIP components on the Agile PLM server as described in .
2. Perform additional post upgrade tasks as described in section

Upgrading the Order to Cash: Siebel CRM - EBS PIP

Upgrade first and then upgrade the Order to Cash: Siebel CRM - EBS PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Order to Cash: Siebel CRM - EBS PIP

To upgrade the Order to Cash: Siebel CRM - EBS PIP from version 2.3 or 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade Order to Cash: Siebel CRM - EBS PIP.

You must do these tasks before you run the upgrade script:

- Apply the Patch 9127671 (O2C 2.5 Post-GA patch for PIP Upgrade issues)
- Deleting routing service 'ItemEBSV2', only if you are upgrading from version 2.3 to 2.5.
To delete:

Login to the ESB Console, navigate to **AIASystem**, **EBS** and delete the service **ItemEBSV2**,

Open the **deployedEBS.properties** file under **<AIA_HOME>/config** folder and remove the property **deployed.ItemEBSV2** from the file and save it.

- Login to the ESB Console, navigate to AIASystem, Ebiz, ABCS service group and delete the ProcessSalesOrderEbizAdapter ESB process.
- If the Siebel application version is 8.1.1, then do the following prior to doing the upgrade:

Go to **AIAHOME/config** folder and open **deploy.properties** file.

Add the following line in the file

```
siebel.version=8.1.1
```

Save the file.

- Back up the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME/config.
- Verify that there are no transactions taking place on the participating applications (E-Business Suite or Siebel CRM).
- If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.
- Take a backup of the cross-reference data on the AIA schema (table XREF_DATA).
- If you have defined any routing rules on any of the EBSs available as part of the PIP on top of the rules provided out-of-the-box, you need to manually take a backup of those rules.

Running Upgrade Scripts for the Order to Cash: Siebel CRM - EBS PIP

To upgrade from version 2.3 to 2.5

1. Login to the **ESB Console**
2. Navigate to **AIASystem**, **Ebiz**, **ABCS** service group and delete the following ESB processes prior to doing the upgrade:

QueryCustomerPartyListEbizCreateAdapter

QueryCustomerPartyListEbizUpdateAdapter

QueryCustomerPartyEbizAdapter

QueryPartyMergeEbizAdapter

QueryMergeAccountEbizAdapter

QueryMergeOrgCustEbizAdapter

QueryRelatedOrgCustEbizAdapter

QueryResponsibilityEbizAdapter

QuerySimpleItemAdapter

3. Add the property named **ebiz.version** in the file *AIA_HOME/config/deploy.properties* with the appropriate Oracle E-Business Suite version -

For R12, it is 12.1.1

For 11i, it is 11.5.10

4. Navigate to the AIA Home folder that was specified during Foundation Pack 2.5 upgrade.
5. Run the following commands to set the environment variables for your platform.

Platform	Commands to set Environment variables
Linux x86	source bin/aiaenv.sh
Solaris SPARC (64-bit)	export DEPLOY_COMP=oracle.aia.order2cash
IBM AIX Based Systems (64-bit)	
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	source bin/aiaenv.bat
	set DEPLOY_COMP=oracle.aia.order2cash

6. Run the following upgrade command.

ant -buildfile patchset/PIPS/Core/Setup/O2C2/Upgrade/O2C2PIPUgrade.xml.

To upgrade from version 2.4 to 2.5:

1. Navigate to the AIA Home folder that was specified during Foundation Pack 2.5 upgrade.
2. Run the following commands to set the environment variables for your platform.

Platform	Commands to set Environment variables
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	source bin/aiaenv.sh export DEPLOY_COMP=oracle.aia.order2cash
Microsoft Windows (32-bit)	source bin/aiaenv.bat set DEPLOY_COMP=oracle.aia.order2cash

3. Run the following upgrade command.

```
ant -buildfile patchset/PIPS/Core/Setup/O2C2/Upgrade/O2C2PIPUgrade.xml.
```

Performing Post-Upgrade Tasks for the Order to Cash: Siebel CRM - EBS PIP

- These cross-reference entities are no longer valid for Order to Cash: Siebel CRM - EBS PIP 2.5:

CUSTOMERPARTY_ACCOUNT_COMMID

CUSTOMERPARTY_CONTACT_COMMID

These two entities are replaced with:

CUSTOMERPARTY_ACCOUNT_PHONECOMMID

CUSTOMERPARTY_ACCOUNT_FAXCOMMID

CUSTOMERPARTY_ACCOUNT_WEBCOMMID

CUSTOMERPARTY_CONTACT_PHONECOMMID

CUSTOMERPARTY_CONTACT_FAXCOMMID

CUSTOMERPARTY_CONTACT_EMAILCOMMID

- The cross-reference metadata is upgraded as part of the PIP upgrade, but the data in the cross-reference table has to be upgraded manually using this SQL script on the AIA schema:

```
AIA_HOME/patchset/PIPS/Core/Setup/O2C2/Upgrade/Xref_Upgrade_Bug75173  
20.sql
```

Note: Prior to running the SQL script, please take a backup of the XREF_DATA table under the AIA schema.

- If you have upgraded from version 2.3 to 2.5, open the AIAConfigurationProperties.xml

file located in the CONFIG folder under the AIA HOME/config and search for
 <ModuleConfiguration moduleName="Ebiz"> and add below
 property(EBIZ_01.SERVER_TIMEZONE) in it:

```
<!-- Please refer Ebiz profile SERVER_TIMEZONE_ID to configure this
property, e.g. 'GMT-08:00' -->
<Property name="EBIZ_01.SERVER_TIMEZONE">GMT-08:00</Property>
```

- A new module property needs to be added after upgrade. For this, open the
 AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME
 and search for </SystemConfiguration> tag and add below
 property(SEBL_01.SERVER_TIMEZONE) in it before </SystemConfiguration> tag:

```
<ModuleConfiguration moduleName="Siebel">
<!-- This property is to configure the Siebel server instance
timezone e.g. '-07:00' or 'GMT-07:00' or 'PST' -->
  <Property name="SEBL_01.SERVER_TIMEZONE">GMT-08:00</Property>
</ModuleConfiguration>
```

- A new service and corresponding routing rule has been added in Order to Cash: Siebel
 CRM - EBS PIP 2.5 for Revise/Cancel Order feature. Upgrade script does not reinstall
 the existing EBS routing services from previous versions. You need to add the following
 routing rules manually to use this feature:

To add the new routing rules:

1. Login to the **ESB Console**.
2. Navigate to **AIASystem**, **EBS** service group. Add following routing rules in corresponding Service and operation.

Service::Operation	Filter Condition	Target Service::Operation
SalesOrderEBSV2::SyncSalesOrderList	{aia:getServiceProperty(' cb; http://xmlns.oracle.com/EnterpriseServices/Core/SalesOrder/V2 rcb; SalesOrderEBSV2','Routing.ActiveRuleSet',false())='DEFAULT' and (/ebo:SyncSalesOrderListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode='PRODUCTION' or not(/ebo:SyncSalesOrderListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text())) and (/ebo:SyncSalesOrderListEBM/corecom:EBMHeader/corecom:Target/corecom:ApplicationTypeCode='EBIZ' or (not(/ebo:SyncSalesOrderListEBM/corecom:EBMHeader/corecom:Target/corecom:ID/text())) and aia:getSystemType(/ebo:SyncSalesOrderListE	SyncSalesOrderEBizProvABCImpl_1_0::SyncSalesOrder

	BM/corecom:EBMHeader/corecom:Sender/corecom:ID)!='EBIZ')));{ namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 namespace aia=http://www.oracle.com/XSL/Transform/java/oracle.apps.aia.core.xpath.AIAFunctions namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/SalesOrder/V2 }	
SalesOrderEBSV2::SyncSalesOrderList	{/ebo:SyncSalesOrderListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode='CAVS'};{ namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/SalesOrder/V2 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 }	AsyncRequestRecipient::simulate
SalesOrderResponseEBSV2::SyncSalesOrderListResponse	{aia:getServiceProperty(' lcb http://xmlns.oracle.com/EnterpriseServices/Core/SalesOrder/V2 rcb SalesOrderResponseEBSV2','Routing.ActiveRuleset',false())='DEFAULT' and (/ebo:SyncSalesOrderListResponseEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode='PRODUCTION' or not(/ebo:SyncSalesOrderListResponseEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text())) and /ebo:SyncSalesOrderListResponseEBM/corecom:EBMHeader/corecom:Sender/corecom:WSSAddress/ns1:ReplyTo/ns1:ServiceName='InterfaceSalesOrderToFulfillmentEBF'};{ namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 namespace aia=http://www.oracle.com/XSL/Transform/java/oracle.apps.aia.core.xpath.AIAFunctions namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/SalesOrder/V2 namespace ns1=http://schemas.xmlsoap.org/ws/2003/03/addressing }	InterfaceSalesOrderToFulfillmentEBF_1_0::SyncSalesOrderListResponse
SalesOrderResponseEBSV2::SyncSalesOrderListResponse	{/ebo:SyncSalesOrderListResponseEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode='CAVS'};{ namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 namespace ebo=http://xmlns.oracle.com/EnterpriseObject	AsyncRequestRecipient::simulate

	s/Core/EBO/SalesOrder/V2 }	
--	----------------------------	--

For more information about using and extending routing rules, see Oracle Enterprise Service Bus Developer's Guide, Creating Routing Services and Routing Rules

- ☐ Perform additional post upgrade tasks as described in section

Upgrading the Oracle Customer Hub PIP

Upgrade first and then upgrade the Oracle Customer Hub PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Oracle Customer Hub PIP

To upgrade the Oracle Customer Hub PIP from version 2.3 or 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade the Foundation Pack to 2.5 from your existing version before you upgrade Oracle Customer Hub PIP.

You must do these tasks before you run the upgrade script:

- Apply the Patch 9132015: MDM Customer 2.5 Upgrade: Routing Rule Issues and Missing Scripts after you upgrade Foundation Pack.
- Back up the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME/config.
- Verify that there are no transactions taking place on the participating applications (E-Business Suite, Siebel CRM, or Siebel UCM).
- If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.
- Take a backup of the cross-reference data on the AIA schema (table XREF_DATA).
- If you have defined any routing rules on any of the EBSs available as part of the Customer Hub PIP on top of the rules provided out-of-the-box, you need to manually take a backup of those rules.

Running Upgrade Scripts for the Oracle Customer Hub PIP

To upgrade from version 2.3 to 2.5:

1. Login to the **ESB Console**, navigate to **AIASystem**, **Ebiz**, **ABCS** service group and delete the following ESB processes:

QueryCustomerPartyListEbizCreateAdapter

QueryCustomerPartyListEbizUpdateAdapter

QueryResponsibilityEbizAdapter

2. On the **ESB Console**, navigate to **AIASystem**, **Siebel**, **ABCS** service group and delete the following ESB processes:

SyncAccountSiebelAggregatorAdapter

SyncAddressSiebelAggregatorAdapter

SyncContactSiebelAggregatorAdapter

3. Navigate to the AIA Home folder that was specified during Foundation Pack 2.5 upgrade. For example, /slot/ems1143/oracle/AIAHOME is AIA Home.
4. Run these commands to set the environment variables for the pertinent platform:

Platform	Commands to set Environment variables
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit). HP-UX 11i (64 bit)	<code>source bin/aiaenv.sh</code>
Microsoft Windows (32-bit)	<code>source bin/aiaenv.bat</code>

5. Run this upgrade command:

```
ant -buildfile
patchset/PIPS/Core/Setup/MDMCustomer/Upgrade/MDMCustomerPIPUUpgrade.xml
```

For upgrading from version 2.4 to 2.5

1. Navigate to the AIA Home folder that was specified during Foundation Pack 2.5 upgrade. For example, /slot/ems1143/oracle/AIAHOME is AIA Home.
2. Run these commands to set the environment variables for the pertinent platform:

Platform	Commands to set Environment variables
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit). HP-UX 11i (64 bit)	<code>source bin/aiaenv.sh</code>
Microsoft Windows (32-bit)	<code>source bin/aiaenv.bat</code>

3. Run this upgrade command:

```
ant -buildfile
patchset/PIPS/Core/Setup/MDMCustomer/Upgrade/MDMCustomerPIPUUpgrade.xml
```

Performing Post-Upgrade Tasks for the Oracle Customer Hub PIP

These cross-reference entities are no longer valid for Oracle Customer Hub PIP 2.5:

- CUSTOMERPARTY_ACCOUNT_COMMID
- CUSTOMERPARTY_CONTACT_COMMID

These two entities are replaced with:

- CUSTOMERPARTY_ACCOUNT_PHONECOMMID
- CUSTOMERPARTY_ACCOUNT_FAXCOMMID
- CUSTOMERPARTY_ACCOUNT_WEBCOMMID
- CUSTOMERPARTY_CONTACT_PHONECOMMID
- CUSTOMERPARTY_CONTACT_FAXCOMMID
- CUSTOMERPARTY_CONTACT_EMAILCOMMID

Perform additional post upgrade tasks as described in section

Upgrading the Oracle Product Hub PIP

Note: Upgrade path to 2.5 for Oracle Product Hub (OPH) is not available in this release. You need to re-implement the 2.5 process integration pack for OPH if you are using either the 2.3 or the 2.4 OPH release version.

Upgrading the Lead to Order: CRM OD - JDE E1 PIP

Upgrade first and then upgrade the Lead to Order: CRM OD - JDE E1 PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Lead to Order: CRM OD - JDE E1 PIP

To upgrade the Lead to Order: CRM OD - JDE E1 PIP from version 2.3 or 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP.

After you upgrade Foundation Pack, you will find the upgrade script for the Lead to Order: CRM OD - JDE E1 PIP at
`<AIA_HOME>\patchset\PIPS\Core\Setup\JDEtoOnDemandLeadToOrder\Upgrade\JDEtoOnDemandPIPUpgrade.xml`

Before you run the upgrade script, perform the following tasks:

- Export Domain Value Maps (DVM):

If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.

- Backup Cross Reference data:

It is a good practice to back up cross-reference data on the AIA schema (table XREF_DATA).

- Backup Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any custom routing rules for any of the EBSs that are available as part of the Lead to Order: CRM OD - JDE E1 PIP, you must manually back up the custom rules.

Running Upgrade Scripts for the Lead to Order: CRM OD - JDE E1 PIP

1. Run the aiaenv script located in the AIA_HOME/bin directory.
2. Verify that the AIA_HOME and ORACLE_HOME environment variables were correctly set when the script was run.
3. Run the script JDEtoOnDemandPIPUpgrade.xml. This script is located in the directory:
<AIA_HOME>\patchset\PIPS\Core\Setup\JDEtoOnDemandLeadToOrder\Upgrade

Performing Post-Upgrade Tasks for the Lead to Order: CRM OD – JDE E1 PIP

In release 2.5, several cross-reference entities have been replaced, as described in this table:

Old Cross Reference	Replaced With...
CUSTOMERPARTY_CONTACT_EMAILCOMMID	CUSTOMERPARTY_ACCOUNT_EMAILCOMMID
CUSTOMERPARTY_CONTACT_FAXCOMMID	CUSTOMERPARTY_ACCOUNT_FAXCOMMID
CUSTOMERPARTY_CONTACT_PHONECOMMID	CUSTOMERPARTY_ACCOUNT_PHONECOMMID

The cross-reference metadata is upgraded as part of the PIP upgrade, but the data in the cross-reference table must be manually upgraded using the following SQL scripts on the AIA schema:

```
<AIA_HOME>/patchset/PIPS/Core/Setup/JDEtoOnDemandLeadToOrder/Upgrade/UpgradeXREF-EMAILCOMMID.sql
```

```
<AIA_HOME>/patchset/PIPS/Core/Setup/JDEtoOnDemandLeadToOrder/Upgrade/UpgradeXREF-FAXCOMMID.sql
```

```
<AIA_HOME>/patchset/PIPS/Core/Setup/JDEtoOnDemandLeadToOrder/Upgrade/UpgradeXREF-PHONECOMMID.sql
```

Note: Prior to running the SQL scripts, please take a backup of the XREF_DATA table under the AIA schema.

In addition, the display names for the Sync Status and Sync Comments fields in CRM On Demand have changed in the 2.5 release. You must change the field display names to Integration Status and Integration Comments, respectively.

For more information about how to change the display names for these fields, see Oracle CRM On Demand Integration Pack for JD Edwards EnterpriseOne: Lead to Order 2.5 Implementation Guide, “Implementing the Lead to Order PIP,” Creating Custom Fields in CRM On Demand

Perform additional post upgrade tasks as described in section.

Upgrading the Financials Ops Control: Oracle Retail - PSFT PIP

Upgrade first and then upgrade the Financials Ops Control: Oracle Retail - PSFT PIP following the tasks discussed below.

Performing Pre-Upgrade Tasks for the Financials Ops Control: Oracle Retail - PSFT PIP

To upgrade the Financials Ops Control: Oracle Retail - PSFT PIP from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP. Before upgrading the Foundation Pack from 2.4 to 2.5, you need to upgrade the ODI to version 10.1.3.5.

Before you start upgrade, read thoroughly the Upgrading Oracle Data Integrator section of the for 10.1.3.5.

You also need to upgrade Retail to 13.1.1. It is recommended that you keep the same Retail username and password for the RIB Topic Queue in the 13.1.1 environment.

For more information, see Oracle Retail Upgrade Guide (My Oracle Support note 837368.1)

After you upgrade ODI and Foundation Pack, you will find the upgrade script for the Financials Ops Control: Oracle Retail - PSFT PIP at
`<AIA_HOME>\patchset\PIPS\Core\Setup\RetailtoFinancials\Upgrade\RetailtoFinancialsPIPUgrade.xml`

Before you run the upgrade script, perform the following tasks:

- Export Domain Value Maps (DVM):

If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.

- Backup Cross Reference data:

It is a good practice to take a back up of the cross-reference data on the AIA schema (table XREF_DATA).

- Backup Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any routing rules, on any of the EBS available as part of the Financials Ops Control: Oracle Retail - PSFT PIP, on top of the rules provided out of the box, you need to manually take a back up of the rules.

- Backup the AIAConfigurationProperties.xml file located in the CONFIG folder under the AIA HOME, as the upgrade script will overwrite it.

Modify ODI Home in deploy.properties.

When you upgrade ODI, you will be prompted to install 10.1.3.5 in a new location. You need to update this in the deploy.properties file. The odi.home property is found in deploy.properties under the location (\${aia.home}/config/deploy.properties). The part you need to update looks like this: odi.home=/slot/ems2467/oracle/odi/oracledi

Make sure that the AIA JMS Queue tables are empty by submitting all the messages from the AIA JMS Queue tables (for Currency Exchange, Payment Term, and Supplier) before upgrading the PIP from 2.4 to 2.5.

- Backup BUSINESSUNIT_AP DVM data to the ORGANIZATION_ID cross-reference table:

Migrate the BUSINESSUNIT_AP DVM to the ORGANIZATION_ID cross-reference table. Foundation Pack 2.5 does not use the BUSINESSUNIT_AP DVM. The actual migration of the data is a part of the post-upgrade activities.

Prior to installing Foundation Pack 2.5, make sure to save the data from the BUSINESSUNIT_AP DVM. This can be done from the ESB Console.

1. Open the BUSINESSUNIT_AP DVM.
2. Clean up the DVM. Blank or duplicate values cannot be accepted by the cross-reference table.
3. Save the changes.
4. Click **Export**.
5. Click **OK**.
6. An .xml file will be created with the data from the DVM.

These values are needed to validate the accuracy of the migration. Make sure to save this xml file.

DVM Cleanup

- The DVM table accepts duplicate values and blank values. However, due to the cross-reference table constraints, these values need to be cleaned up.
- The keys to the cross-reference are: table name, column name, and value.

- Values need to be changed for any duplicates because cross-reference cannot accept them and unique key constraints error will be generated.
- Blank values need to be assigned a valid value because cross-reference cannot accept null values. An exception will be generated and the program will exit.

Running Upgrade Scripts for the Financials Ops Control: Oracle Retail - PSFT PIP

Perform these steps

1. Run the aiaenv script located in the AIA_HOME/bin directory to set up aia_home and oracle_home environment variables.
2. Verify that the AIA_HOME and ORACLE_HOME environment variables were correctly set when the script was run.
3. Run the script RetailToPSFTFinPIPUpgrade.xml.

This script is located in the directory: <AIA_HOME>\patchset\PIPS\Core\Setup\RetailToPSFTFin\Upgrade

Performing Post-Upgrade Tasks for the Financials Ops Control: Oracle Retail - PSFT PIP

Migrate from BUSINESSUNT_AP DVM to ORGANIZATION_ID cross-reference:

The BUSINESSUNT_AP DVM is no longer valid for Financials Ops Control: Oracle Retail - PSFT PIP 2.5. This DVM is replaced with the ORGANIZATION_ID cross-reference.

The cross-reference metadata is upgraded as part of the PIP upgrade, but the data in the cross-reference table has to be upgraded manually using scripts from the following folder:

`AIA_HOME/patchset/PIPS/Core/Setup/RetailTpPsftFin/Upgrade`

Three scripts are needed:

- ExecuteDvmToXrefMigration.xml
- ExecuteDvmToXrefMigration.properties
- ConvertDvm.class

ExecuteDvmToXrefMigration.xml and ExecuteDvmToXrefMigration.properties are stored in `${AIA_HOME}/patchset/PIPS/Core/Setup/RetailTpPSFTFin/Upgrade`

The ConvertDvm.class is stored in `${AIA_HOME}/patchset/PIPS/Core/Setup/RetailTpPSFTFin/Upgrade/DvmToXrefMigration/classes`

Note: Prior to running the scripts, take a backup of the XREF_DATA table under the AIA schema.

Modify the ant file

To modify .properties file

In the properties file, the following needs to be configured based on where the .xml file is located which holds the DVM data:

- dvm=

Example: dvm=C:/BusinessUnitAP.xml

- aiapassword=aia

This will need to be modified only if the user has changed the password from the oracle database from “aia” to something else.

Set up the environment variables

Set the following environment variable:

- ORACLE_HOME
- AIA_HOME

This can be accomplished by running the aiaenv scrip located in the \$AIA_HOME/bin directory.

Windows: in a command line type: aiaenv.bat

Linux: in a command line type: source aiaenv.sh

Verify that the script correctly sets the AIA_HOME and ORACLE_HOME environment variables. If this has been done in a previous step you do not have to repeat it.

Run the ant file

To run the ant file:

1. Go to the command line:

Change directories to where the ant file resides: (\${AIA_HOME}
/patchset/PIPS/Core/Setup/RetailToPSFTFin/Upgrade)

2. Run your ant file by typing ***ant -f ExecuteDvmToXrefMigration.xml***.

The xml file reads the properties file for the arguments and will call the .java class file to execute the inserts into the Xref table

Update the INVOICE_ID XREF data to PAYABLEINVOICE_PAYABLEINVOICEID:

The “INVOICE_ID” cross-reference table in the XREF_DATA table has to be replaced with “PAYABLEINVOICE_PAYABLEINVOICEID” manually using this SQL script on the AIA schema:
`AIA_HOME/patchset/PIPS/Core/Setup/RetailToPsftFin/Upgrade/Xref_Update_O
DI.sql`

Note: Prior to running the scripts, take a backup of the XREF_DATA table under the AIA schema.

Modify AIAConfigurationProperties.xml:

This file is located in <AIA_HOME>/config.

1. Under the Module Configuration <ModuleConfiguration moduleName="RetailToPeopleSoftInvoiceIntegration"> change the value of the property XRefTableName from "INVOICE_ID" to "PAYABLEINVOICE_PAYABLEINVOICEID":


```
<Property
name="XRefTableName">PAYABLEINVOICE_PAYABLEINVOICEID</Property>
```
2. After the Retail system has been upgraded to 13.1.1, you'll need to change the endpoints for the Retail web services to match the new environment:

a. For DrillBackForward change the bolded text to the new host/port

```
<ServiceConfiguration serviceName="DrillBackForward">
  <Property
name="PSFTUrl.ProtocolHostPort">http://host:port</Property>
  <Property name="PSFTUrl.Servlet">psp</Property>
  <Property name="PSFTUrl.Site">e900b20nt</Property>
  <Property
name="PSFTUrl.PortalNodeContent">EMPLOYEE/ERP/c</Property>
  <Property name="PSFT.Invoice.WS.Location">http://
host:port
/PSIGW/PeopleSoftServiceListeningConnector/E900B41</Property>
  <Property
name="RETAIL.URL.WS.Location">http://host:port/ReportLocatorBean/Rep
ortLocatorService</Property>
</ServiceConfiguration>
```

b. For UpdateSupplierPartyRetailProvABCSImpl change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/SupplierP
arty/V1}UpdateSupplierPartyRetailProvABCSImpl">
  <Property name="Default.SystemID">RETL_01</Property>
  <Property
name="Routing.SupplierService.RouteToCAVS">>false</Property>
  <Property
name="Routing.SupplierService.RETL_01.EndpointURI">http://
host:port/SupplierBean/SupplierService</Property>
  <Property
name="Routing.SupplierService.CAVS.EndpointURI">http://
host:port/AIAValidationSystemServlet/syncresponsesimulator</Property>
>
  <Property
name="ABCSExtension.PreProcessABM">>false</Property>
  <Property
name="ABCSExtension.PreProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessABM">>false</Property>
</ServiceConfiguration>
```

- c. For **UpdatePaymentTermRetailProvABCSImpl** change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/PaymentTerm/V1}UpdatePaymentTermRetailProvABCSImpl">
  <Property name="Default.SystemID">RETL_01</Property>
  <Property
name="Routing.PayTermService.RouteToCAVS">>false</Property>
  <Property
name="Routing.PayTermService.RETL_01.EndpointURI">http://host:port/PayTermBean/PayTermService</Property>
  <Property
name="Routing.PayTermService.CAVS.EndpointURI">http://host:port/AIAValidationSystemServlet/syncresponsesimulator</Property>
  <Property
name="ABCSExtension.PreProcessABM">>false</Property>
  <Property
name="ABCSExtension.PreProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessABM">>false</Property>
</ServiceConfiguration>
```

- d. For **SyncSupplierPartyListRetailProvABCSImpl** change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/SupplierParty/V1}SyncSupplierPartyListRetailProvABCSImpl">
  <Property name="Default.SystemID">RETL_01</Property>
  <Property
name="Routing.SupplierService.RouteToCAVS">>false</Property>
  <Property
name="Routing.SupplierService.RETL_01.EndpointURI">http://host:port/SupplierBean/SupplierService</Property>
  <Property
name="Routing.SupplierService.CAVS.EndpointURI">http://host:port/AIAValidationSystemServlet/syncresponsesimulator</Property>
  <Property name="Retail.Language">1</Property>
  <Property
name="ABCSExtension.PreProcessABM">>true</Property>
  <Property
name="ABCSExtension.PreProcessEBM">>true</Property>
  <Property
name="ABCSExtension.PostProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessABM">>false</Property>
  <Property name="Retail.ActiveCode">A</Property>
  <Property name="Retail.InactiveCode">I</Property>
</ServiceConfiguration>
```

- e. For **SyncPaymentTermRetailProvABCSImpl** change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/PaymentTerm/V1}SyncPaymentTermListRetailProvABCSImpl">
  <Property name="Default.SystemID">RETL_01</Property>
  <Property
name="Routing.PayTermService.RouteToCAVS">>false</Property>
  <Property
name="Routing.PayTermService.RETL_01.EndpointURI">http://host:port/PayTermBean/PayTermService</Property>
  <Property
name="Routing.PayTermService.CAVS.EndpointURI">http://host:port/AIAValidationSystemServlet/syncresponsesimulator</Property>
  <Property name="Retail.Language">1</Property>
  <Property
name="ABCSExtension.PreProcessABM">>false</Property>
  <Property
name="ABCSExtension.PreProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessABM">>false</Property>
</ServiceConfiguration>
```

- f. For **CreateSupplierPartyRetailProvABCSImpl** change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/SupplierParty/V1}CreateSupplierPartyRetailProvABCSImpl">
  <Property name="Default.SystemID">RETL_01</Property>
  <Property
name="Routing.SupplierService.RouteToCAVS">>false</Property>
  <Property
name="Routing.SupplierService.RETL_01.EndpointURI">http://host:port/SupplierBean/SupplierService</Property>
  <Property
name="Routing.SupplierService.CAVS.EndpointURI">http://host:port/AIAValidationSystemServlet/syncresponsesimulator</Property>
  <Property
name="ABCSExtension.PreProcessABM">>true</Property>
  <Property
name="ABCSExtension.PreProcessEBM">>true</Property>
  <Property
name="ABCSExtension.PostProcessEBM">>false</Property>
  <Property
name="ABCSExtension.PostProcessABM">>false</Property>
</ServiceConfiguration>
```

- g. For **CreatePaymentTermRetailProvABCSImpl** change the bolded text to the new host/port

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Retail/Core/PaymentTerm/V1}CreatePaymentTermRetailProvABCSImpl">
```

```

rm/V1}CreatePaymentTermRetailProvABCSImpl">
    <Property name="Default.SystemID">RETL_01</Property>
    <Property
name="Routing.PayTermService.RouteToCAVS">false</Property>
    <Property
name="Routing.PayTermService.RETL_01.EndpointURI">http://host:port/P
ayTermBean/PayTermService</Property>
    <Property
name="Routing.PayTermService.CAVS.EndpointURI">http://host:port/AIAV
alidationSystemServlet/syncresponsesimulator</Property>
    <Property
name="ABCSExtension.PreProcessABM">false</Property>
    <Property
name="ABCSExtension.PreProcessEBM">false</Property>
    <Property
name="ABCSExtension.PostProcessEBM">false</Property>
    <Property
name="ABCSExtension.PostProcessABM">false</Property>
</ServiceConfiguration>

```

Modify application.xml: This file is located in <SOA_HOME>/j2ee/oc4j_soa/config

After the Retail system has been upgraded to 13.1.1, you will need to change the endpoints for the Retail RIB Queue to match the new environment if changed:

```

<resource-provider class="oracle.jms.OjmsContext"
name="RIBConnection">
    <description>RIB AQ</description>
    <property name="url"
value="jdbc:oracle:thin:username/password@host:port:SID" />
    <property name="username" value="username" />
    <property name="password" value="password" />
</resource-provider>

```

Modify oc4j-ra.xml: This file is located in <SOA_HOME>/j2ee/oc4j_soa/application-deployments/default/JmsAdapter

After the Retail system has been upgraded to 13.1.1, you will need to change the endpoints for the Retail RIB Queue to match the new environment if changed:

```

<connector-factory location="eis/Jms/RIBConnection" connector-
name="Jms Adapter">
    <config-property name="connectionFactoryLocation"
value="java:comp/resource/RIBConnection/TopicConnectionFactoryies/TCF
" />
    <config-property name="factoryProperties" value="" />
    <config-property name="acknowledgeMode"
value="AUTO_ACKNOWLEDGE" />
    <config-property name="isTopic" value="true" />
    <config-property name="isTransacted" value="true" />
    <config-property name="username" value="username" />
    <config-property name="password" value="password" />
    <connection-pooling use="none">
</connection-pooling>
    <security-config use="none">
</security-config>

```

```
</connector-factory>
```

Modify SyncCurrencyExchangeListRetailJMSProducer.wsdl:

This file is located in

<AIA_HOME>/PIPS/Core/Retail/JMSAdapterServices/SyncCurrencyExchangeListRetailProvJMSProducer/bpel

Note: This step needs to be done only if the Retail RIB Topic Queue user name is different than the 13.0.x install.

In this file, find the following text:

```
<jca:binding />
    <operation name="Produce_Message">
<!-- MAKE SURE THIS GETS CHECKED IN WITH THE VARIABLE
    NEVER CHECK IN WITH THE ACTUAL VALUE USED FOR DEV Connection-->
    <jca:operation
InteractionSpec="oracle.tip.adapter.jms.outbound.JmsProduceInteracti
onSpec"
DestinationName=" java:comp/resource/RIBConnection/Topics/username.ET
EXTCURRE" DeliveryMode="Persistent" TimeToLive="0"
PayloadType="TextMessage" OpaqueSchema="false">
    </jca:operation>
    <input>
    <jca:header message="hdr:OutboundHeader_msg"
part="outboundHeader" />
    </input>
    </operation>
    </binding>
```

- a. Change the bold text with the new username for the RIB topic Queue for Retail 13.1.1.
- b. Using a command prompt, go to the <AIA_HOME>/bin directory and run the aiaenv script.
- c. Go to the
<AIA_HOME>/PIPS/Core/Retail/JMSAdapterServices/SyncCurrencyExchangeListRetailProvJMSProducer directory
- d. Run the following command: ant -f build.xml.

This redeploys the **SyncCurrencyExchangeListRetailProvJMSProducer** to the environment with the right RIB Topic Queue username.

Bounce Apache server:

Restart your HTTP Apache server using the commands from the directory <SOA_HOME>/opmn/bin:

For Linux (x86), Solaris SPARC (64-bit), IBM AIX Based Systems (64-bit) and HP-UX 11i (64 bit)

- a. ./opmnctl stopall
- b. ./opmnctl startall

For Windows

- a. `opmnctl stopall`
- b. `opmnctl startall`

Perform additional post upgrade tasks as described in section

Upgrading the Financial Accounting Hub for PSFT GL PIP

Upgrade first and then upgrade the Financial Accounting Hub for PSFT GL PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Financial Accounting Hub for PSFT GL PIP

To upgrade the Financial Accounting Hub for PSFT GL PIP from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP. Before upgrading the Foundation Pack from 2.4 to 2.5, you need to upgrade the ODI to version 10.1.3.5.

Note: Before you start the upgrade, read the Upgrading Oracle Data Integrator section of the for 10.1.3.5.

After you upgrade Foundation Pack, you will find the upgrade scripts for the Financial Accounting Hub for PSFT GL PIP at `<AIA_HOME>\patchset\PIPS\Core\Setup\FSAH\`

DVMs and XREFs are not modified during the upgrade. However, any custom routing rule may get overwritten during the upgrade. Before you run the upgrade script, you may perform the following optional tasks to back up any custom configuration you have performed:

- Export Domain Value Maps (DVM) (Optional):

If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.

- Backup Cross Reference data(Optional):

It is a good practice to take a back up of the cross-reference data on the AIA schema (table XREF_DATA).

- Backup Custom Routing Rules in the Enterprise Business Services (EBS) (Recommended):

If you have defined any routing rules, on any of the EBS available as part of the Financial Accounting Hub for PSFT GL PIP, on top of the rules provided out of the box, you need to manually take a back up of the rules.

- Backup the AIAConfigurationProperties.xml file located in the CONFIG folder under the

AIA_HOME, as the upgrade script will make changes to this file.

- Modify ODI Home in deploy.properties.
- When you upgrade ODI, you will be prompted to install 10.1.3.5 in a new location. You need to update this in the deploy.properties file. The odi.home property is found in deploy.properties under the location (\${aia.home}/config/deploy.properties). The part you need to update looks like this: odi.home=/slot/ems2467/oracle/odi/oracledi

Running Upgrade Scripts for the Financial Accounting Hub for PSFT GL PIP

1. Open the **ESB Console** and delete the following services from the **Services** panel:

- AIASystem -> PeopleSoft -> ABCS ->
SyncAcctGLElementValueSetPeopleSoftJMSConsumer
- AIASystem -> PeopleSoft -> ABCS ->
SyncAcctGLElementValueSetPeopleSoftJMSConsumer_RS
- AIASystem -> PeopleSoft -> ABCS ->
SyncAcctGLElementValueSetPeopleSoftReqABCImpl

2. Set up your **AIA_HOME** environment variable and launch your PIP installer script.

On Unix Platforms:

- Start a shell session.
- Run `<AIA_HOME>/bin/aiaenv.sh` script.
- Verify that the **AIA_HOME** and **ORACLE_HOME** environment variables were correctly set when the script was run.
- Issue the following command:
- `chmod 555 <AIA_HOME>/patchset/PIPS/Core/Setup/FSAH/Upgrade /upgradeFSAHPIP.sh`
- Run `<AIA_HOME>/patchset/PIPS/Core/Setup/FSAH/Upgrade /upgradeFSAHPIP.sh`

On Windows Platforms:

- Start a cmd prompt.
- Run `<AIA_HOME>\bin\iaaenv.bat`
- Verify that the **AIA_HOME** and **ORACLE_HOME** environment variables were correctly set when the script was run.
- Run `<AIA_HOME>\patchset\PIPS\Core\Setup\FSAH\Upgrade \upgradeFSAHPIP.bat`

Performing Post-Upgrade Tasks for the Financial Accounting Hub for PSFT GL PIP

1. **Modify AIAConfigurationProperties.xml:** This file is located in `<AIA_HOME>/config`.

- a. Look for the following Service Configuration in the file:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/PeopleSoft/Core/GL
ElementValueSet/V1}SyncGLElementValueSetListPeopleSoftReqABCSImpl
">
```

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/PeopleSoft/Core/Ac
countGLElementValueSet/V1}SyncAccountGLElementValueSetListPeoples
oftReqABCSImpl">
```

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/PeopleSoft/Core/Ac
countingEntry/V1}DeleteAccountingEntryListPeopleSoftReqABCSImpl">
```

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/PeopleSoft/Core/Ac
countingPeriod/V1}ProcessAccountingPeriodPeopleSoftReqABCSImpl">
```

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/PeopleSoft/Core/Cu
rrencyExchange/V1}SyncCurrencyExchangeListPeopleSoftReqABCSImpl">
```

- b. Pay attention to the Service Name as there are similar entries in the file.

- c. Delete all lines from the above lines to the end tag:

```
</ServiceConfiguration>
```

2. Re-implement any custom ESB routing rules you had backed up previously during pre-upgrade activities.
3. Perform additional post upgrade tasks as described in section.

Upgrading the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

Upgrade first and then upgrade the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

The upgrade is from AIA 2.4 + post GA Patch (8527431) to 2.5. Perform these steps:

1. Take a back-up of XREF_DATA table.
2. Back up the AIAConfigurationProperties.xml file located in the config folder under the AIA_HOME/config.

3. Verify that there are no transactions taking place on the participating applications.
4. If you have defined any routing rules on any of the EBSs available as part of the PIP on top of the rules provided out-of-the-box, you need to manually take a backup of those rules.
5. The upgrade will overwrite the BSR Error Notifications Table for the entries set-up out-of-the-box for Order Fallout. Any customizations made to these entries will be lost.
6. Delete the Collections project in ODI:
 - a. Go to ODI Topology Manager and delete the following Data Servers which are listed in the **Physical Architecture** tab:

AIA Config Properties DS

Collection Action Name

Collection Priority DS

Collection Status Mapping

Collection Substatus Model

Currency DS

- j. Go to the ODI Designer and delete the following:

AIA Collections Project

Collections Model Folder

7. Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP 2.5 requires ODI 10.1.3.5. Change the `odi.home` property in the `AIA_HOME/config/deploy.properties` to point to ODI 10.1.3.5 home before you upgrade.
8. Delete ESB Services

ESB Service Groups have been modified in 2.5 to support co-existence with other PIPS. The Service Groups (EBS and Siebel under AIASystem) have to be deleted before proceeding with the upgrade. When you delete a service group all the ESB services registered under that Service Group will be deleted. If you have registered any new service (other than the ones deployed as a part of AIA 2.4), you need to re-register these services after the upgrade is complete. If this activity was done already as a part of Comms Order to Bill: Siebel CRM - BRM PIP upgrade, proceed to the next step.

Note: This is a onetime activity and this step has to be performed either as a part of the Comms Order to Bill: Siebel CRM - BRM PIP upgrade or the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP upgrade.

- a. On the **ESB Console**, navigate to AIASystem and delete EBS and Siebel Service Groups. Or
- b. Delete all the service groups by running commands.

Alternately, to delete all the service groups created by the Comms Order to Bill: Siebel CRM - BRM PIP and the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP, run the following commands (note that this will delete all of the EBS, Siebel, BRM, and OSM Service Groups under AIASystem):

- a. Run these commands to set the environment variables for the pertinent platform:

Linux x86 source \$AIA_HOME/bin/aiaenv.sh

Microsoft Windows (32-bit) source %AIA_HOME%/bin/aiaenv.bat

- b. Run the command to delete all the Service Groups:

Navigate to \$AIA_HOME/patchset/PIPS/Industry/Communications/Setup/
AgentAssistedBillingCare/Upgrade

ant -f AgentAssistedBillingCare24to25Upgrade.xml UndeployServiceGroups

Running Upgrade Scripts for the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

1. Run these commands to set the environment variables for the pertinent platform:

Linux x86 source \$AIA_HOME/bin/aiaenv.sh

Microsoft Windows (32-bit) source %AIA_HOME%/bin/aiaenv.bat

2. Navigate to \$AIA_HOME/patchset/PIPS/Industry/Communications/Setup/
AgentAssistedBillingCare/Upgrade

3. Run the following command to upgrade the PIP.

ant -f AgentAssistedBillingCareUpgrade.xml

Performing Post-Upgrade Tasks for the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP

1. Review the upgrade logs for any errors/warnings after the upgrade process is completed.
2. Add the following Module level properties to the AIAConfigurationProperties.xml file located in AIA_HOME/config and reload the config file:

```
<ModuleConfiguration moduleName="ResourceBundle">
  <Property
name="Telco/BillingManagement">oracle.apps.aia.core.il8n.AIAListResourceBundle</Property>
  <Property
name="Telco/ProductLifeCycle">oracle.apps.aia.core.il8n.AIAListResourceBundle</Property>
  <Property
name="Telco/SalesOrder">oracle.apps.aia.core.il8n.AIAListResourceBundle</Property>
```

```

    <Property
name="Telco/CustomerParty">oracle.apps.aia.core.il8n.AIAListResource
Bundle</Property>
</ModuleConfiguration>

```

3. The **product.xml** file located in AIA_HOME does not get updated automatically when the system is upgraded from 2.4 to 2.5. To fix this, replace the original contents of the product.xml file with this snippet;

```

<product>
  <name value="AIA_25"/>
  <version value="2.5.0.0.0"/>
</product>

```

4. Perform additional post upgrade tasks as described in section.

Upgrading the Comms Order to Bill: Siebel CRM - BRM PIP

Upgrade first and then upgrade the Comms Order to Bill: Siebel CRM - BRM PIP following the tasks discussed below.

Performing pre-upgrade tasks for the Comms Order to Bill: Siebel CRM - BRM PIP

The upgrade is from AIA 2.4 + post GA Patch (8527431) to 2.5:

1. Take a back-up of XREF_DATA table.
2. Back up the **AIAConfigurationProperties.xml** file located in the config folder under the AIA_HOME/config.
3. Verify that there are no transactions taking place on the participating applications.
4. If you have defined any routing rules on any of the EBSs available as part of the PIP on top of the rules provided out-of-the-box, you need to manually take a backup of those rules.
5. The upgrade will overwrite the BSR Error Notifications Table for the entries set-up out of the box for Order Fallout. Any customizations made to these entries will be lost.
6. Delete ESB Services

ESB Service Groups have been modified in 2.5 to support co-existence with other PIPS. The Service Groups (EBS and Siebel under AIASystem) have to be deleted before proceeding with the upgrade. When you delete a service group all the ESB services registered under that Service Group will be deleted. If you have registered any new service (other than the ones deployed as a part of AIA 2.4), you need to re-register these services after the upgrade is complete. If this activity was done already as a part of Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP upgrade, proceed to the next step.

Note: This is a onetime activity and this step has to be performed either as a part of the Comms Order to Bill: Siebel CRM - BRM PIP upgrade or the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP upgrade.

- a. On the **ESB Console**, navigate to AIASystem and delete EBS and Siebel Service Groups. Or
- b. Delete all the service groups by running commands.
 Alternately, to delete all the service groups created by the Comms Order to Bill: Siebel CRM - BRM PIP and the Comms Agent Assisted Billing Care: Siebel CRM - BRM PIP, run the following commands (note that this will delete all of the EBS, Siebel, BRM, and OSM Service Groups under AIASystem):
 - a. Run these commands to set the environment variables for the pertinent platform:
 Linux x86 `source $AIA_HOME/bin/aiaenv.sh`
 Microsoft Windows (32-bit) `source %AIA_HOME%/bin/aiaenv.bat`
 - b. Run the command to delete all the Service Groups:
`$AIA_HOME/patchset/PIPS/Industry/Communications/Setup/OrderToBill/Upgrade`
`ant -f OrderToBill24to25Upgrade.xml UndeployServiceGroups`

Running Upgrade Scripts for the Comms Order to Bill: Siebel CRM - BRM PIP

1. Run these commands to set the environment variables for the pertinent platform:
 Linux x86 `source $AIA_HOME/bin/aiaenv.sh`
 Microsoft Windows (32-bit) `source %AIA_HOME%/bin/aiaenv.bat`
2. Navigate to
`$AIA_HOME/patchset/PIPS/Industry/Communications/Setup/OrderToBill/Upgrade`
3. Run the following command to upgrade the PIP: `ant -f OrderToBillUpgrade.xml`

Performing Post-Upgrade Tasks for the Comms Order to Bill: Siebel CRM - BRM PIP

1. Review the upgrade logs for any errors/warnings after the upgrade process is completed.
2. Add the following module level properties to the AIAConfigurationProperties.xml file located in AIA_HOME/config and reload the config file:

```
<ModuleConfiguration moduleName="ResourceBundle">
  <Property
    name="Telco/BillingManagement">oracle.apps.aia.core.il8n.AIAListResourceBundle</Property>
```

```

    <Property
name="Telco/ProductLifeCycle">oracle.apps.aia.core.il8n.AIAListResou
rceBundle</Property>
    <Property
name="Telco/SalesOrder">oracle.apps.aia.core.il8n.AIAListResourceBun
dle</Property>
    <Property
name="Telco/CustomerParty">oracle.apps.aia.core.il8n.AIAListResource
Bundle</Property>
  </ModuleConfiguration>

```

3. The **product.xml** file located in AIA_HOME does not get updated automatically when the system is upgraded from 2.4 to 2.5. To fix this, replace the original contents of the product.xml file with this snippet;

```

<product>
  <name value="AIA_25"/>
  <version value="2.5.0.0.0"/>
</product>

```

4. Perform additional post upgrade tasks as described in section.

Upgrading the Comms Revenue Accounting: EBS - BRM PIP

To upgrade the Comms Revenue Accounting PIP, uninstall release 2.4, install the ODI version 10.1.3.5.3, and then reinstall Revenue Accounting PIP 2.5.

Upgrading the LSP Financial Mgmt: OTM - EBS PIP

Upgrade first and then upgrade the LSP Financial Mgmt: OTM - EBS PIP following the tasks discussed below.

Performing Pre-Upgrade Tasks for LSP Financial Mgmt: OTM - EBS PIP

To upgrade the LSP Financial Mgmt: OTM - EBS PIP from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP.

After you upgrade Foundation Pack, you will find the upgrade script for the LSP Financial Mgmt: OTM - EBS PIP at <AIA_HOME>\patchset\PIPS\Core\Setup\Fleet\Financials\Upgrade\FleetFinancialsUpgrade.xml.

Before you run the upgrade script, perform the following tasks:

- Export Domain Value Maps (DVM):

If you have added custom values/columns to the DVMs on the ESB Console, export the

DVMs manually.

- Delete the following DVMs from ESB Console:

LANGUAGE_CODE

CUSTOMERPARTY_STATUSCODE

CUSTOMERPARTY_ACCTSITESTATUS

- Undeploy the following services from the BPEL Console:

SyncCustomerPartyListLogisticsProvABCSImpl

CreatePayableInvoiceListEbizProvABCSImpl

SyncCurrencyExchangeListEbizReqABCSImpl

- Backup Cross Reference data:

It is a good practice to take a back up of the cross-reference data on the AIA schema (table XREF_DATA).

- Backup Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any routing rules, on any of the EBS available as part of the LSP Financial Mgmt: OTM - EBS PIP, on top of the rules provided out of the box, you need to manually take a back up of the rules.

Running Upgrade Scripts for the LSP Financial Mgmt: OTM - EBS PIP

To run upgrade scripts:

1. Run the aiaenv script located in the AIA_HOME/bin directory to set the environment variables.

Platform	To set the environment variables:
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin source aiaenv.sh</pre>
IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin . aiaenv.sh</pre>
Microsoft Windows (32-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>\bin aiaenv.bat</pre>

2. Verify that the AIA_HOME and ORACLE_HOME environment variables were correctly set when the script was run.

3. Run the FleetFinancialsUpgrade.xml script. This script is located in the directory:

<AIA_HOME>\patchset\PIPS\Core\Setup\Fleet\Financials\Upgrade

4. After the execution of the script, check the log file under <AIA_HOME>\logs\Install\PIPS with the following name

FleetFinancialsUpgrade-<MMDDYYYY>-<HHMMSS>.log to check if the build is successful for the PIP.

Performing Post-Upgrade Tasks for the LSP Financial Mgmt: OTM - EBS PIP

The routing rules for the EBS **CustomerPartyEBSV2**, **CustomerPartyResponseEBS** and **PayableInvoiceEBS**, if not present for the PIP, need to be added manually. The steps to add the routing rules are as follows:

To add routing rules for **CustomerPartyEBSV2**:

1. Login to the ESB Console.
2. Choose the **CustomerPartyEBSV2** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **CustomerPartyEBSV2**.
4. Add the following routing rules for the **CustomerPartyEBSV2::SyncCustomerPartyList** operation.

a. Enter the following in Filter Condition:

```
{ (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode=' PRODUCTION'
or
not (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text() )
and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:Sender/corecom:ID, 'EBIZ_01') = 0) and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:VerbCode, 'CreateOrUpdate') = 0)}; { namespace
xp20=http://www.oracle.com/XSL/Transform/java/oracle.tip.pc.services.functions.Xpath20 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/CustomerParty/V2 }
```

b. Choose the following as the target operation:

```
BPELSystem-default->SyncCustomerPartyListLogisticsProvABCSImpl->
SyncCustomerPartyListLogisticsProvABCSImpl_1_0->
SyncCustomerPartyList
```

Under the same operation create another routing rule and add the following:

c. Enter the following in Filter Condition:

```
{ (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode=' PRODUCTION'
or
not (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text ()))
and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:Sender/corecom:ID,'EBIZ_01') = 0) and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:VerbCode, 'CreateOrReplace') = 0)};{ namespace
xp20=http://www.oracle.com/XSL/Transform/java/oracle.tip.pc.services.functions.Xpath20 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EO/
CustomerParty/V2 }
```

d. Choose the following as the target operation:

```
BPELSystem->default->MergeCustomerPartyListLogisticsProvABCImpl->
MergeCustomerPartyListLogisticsProvABCImpl_1_0-
>MergeCustomerPartyListSync
```

Under the same operation create another routing rule and add the following:

e. Enter the following in Filter Condition:

```
{ (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode=' PRODUCTION'
or
not (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text ()))
and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:Sender/corecom:ID,'EBIZ_01') = 0) and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:VerbCode, 'Merge') = 0)};{ namespace
xp20=http://www.oracle.com/XSL/Transform/java/oracle.tip.pc.services.functions.Xpath20 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EO/
CustomerParty/V2 }
```

f. Choose the following as the target operation:

```
BPELSystem->default->MergeCustomerPartyListLogisticsProvABCImpl->
MergeCustomerPartyListLogisticsProvABCImpl_1_0-
>MergeCustomerPartyList
```

Under the same operation create another routing rule and add the following:

g. Enter the following in Filter Condition:

```
{ /customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode = 'CAVS' };{
namespace
```



```
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/
CustomerParty/V2 }
```

h. Choose the following as the target operation:

```
AIASystem->ValidationSystem->AsyncResponseSimulator->simulate
```

i. Add the Map file SetCAVSEndpoint.xsl which is present in the project.

To add routing rules for **CustomerPartyResponse EBS**:

1. Login to the **ESB Console**.
2. Choose the **CustomerPartyResponseEBS** under **AIASystem, EBS**.
3. Choose **Routing Rules** tab for the **CustomerPartyResponseEBS**.
4. Add the following routing rules for the **CustomerPartyResponseEBSV2::SyncCustomerPartyListResponse** operation.

a. Enter the following in Filter Condition:

```
{ (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode='PRODUCTION'
or
not (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text()))
and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListResponseEBM/corecom:EBMHeader/corecom:Sender/corecom:WSAddress/ns3:ReplyTo/ns3:ServiceName,'MergeAccountEbizReqABCSImpl')=0) }; { namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/
CustomerParty/V2 namespace
ns3=http://schemas.xmlsoap.org/ws/2003/03/addressing namespace
xp20=http://www.oracle.com/XSL/Transform/java/oracle.tip.pc.services.functions.Xpath20 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 }
```

b. Choose the following as the target operation:

```
BPESystem->default->MergeAccountEbizReqABCSImpl->
MergeAccountEbizReqABCSImpl_1_0->SyncCustomerPartyListResponse
```

Under the same operation create another routing rule.

c. Enter the following in Filter Condition:

```
{ /customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode = 'CAVS' }; { namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/
CustomerParty/V2 }
```

d. Choose the following as the target operation:

AIASystem->ValidationSystem->AsyncResponseRecieipient->simulate

- e. Add the Map file **SetCAVSEndpoint.xsl** which is present in the project.

To add routing rules for **PayableInvoiceEBS**:

1. Login to the **ESB Console**.
2. Choose the **PayableInvoiceEBS** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for the **PayableInvoiceEBS**.
4. Add the following routing rules for the **PayableInvoiceEBS::CreatePayableInvoiceList** operation.

- a. Enter the following in Filter Condition:

```
{count(/ebo:CreatePayableInvoiceListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode[text()='CAVS'])=0};{ namespace
ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/PayableInvoice/V1 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 }
```

- b. Choose the following as the target operation:

```
BPELSystem->default->CreatePayableInvoiceListEbizProvABCSImpl->
CreatePayableInvoiceListEbizProvABCSImpl_1_0->
CreatePayableInvoiceList
```

Under the same operation create another routing rule and add the following:

- c. Enter the following in Filter Condition:

```
{count(/ebo:CreatePayableInvoiceListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode[text()='CAVS'])!=0};{ namespace
ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/PayableInvoice/V1 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2 }
```

- d. Choose the following as the target operation:

AIASystem->ValidationSystem->AsyncRequestRecipient ->simulate

- e. Add the Map file **SetCAVSEndpoint.xsl** which is present in the project.

5. Modify **AIAConfigurationProperties.xml** located under **<AIA_HOME>/config** for the following services.

- a. For the **SyncCurrencyExchangeListLogisticsProvABCSImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Logistics/Core/SyncCurrencyExchangeListLogisticsProvABCSImpl/V1}SyncCurrencyExchangeListLogisticsProvABCSImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">true</Property>
<Property name="ABCSExtension.PostInvokeABS">false</Property>
```

```
</ServiceConfiguration>
```

b. For the **SyncSupplierPartyListLogisticsProvABCSImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Logistics/Core/SyncSupplierPartyListLogisticsProvABCSImpl/V1}SyncSupplierPartyListLogisticsProvABCSImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">true</Property>
<Property name="SYNCPURCHASINGSITES">true</Property>
</ServiceConfiguration>
```

c. For the **CreateAccountingEntryListEbizProvABCSImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Ebiz/Core/CreateAccountingEntryListEbizProvABCSImpl/V1}CreateAccountingEntryListEbizProvABCSImpl">
<Property name="Default.SystemID">EBIZ_01</Property>
<Property name="ABCSExtension.PostXformABMtoEBM">false</Property>
<Property name="ABCSExtension.PostInvokeABS">false</Property>
</ServiceConfiguration>
```

d. For the **CreateInvoiceListEbizProvABCSImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Ebiz/Core/CreateInvoiceListEbizProvABCSImpl/V1}CreateInvoiceListEbizProvABCSImpl">
<Property name="Default.SystemID">EBIZ_01</Property>.
<Property name="ABCSExtension.PostProcessEBM">false</Property>
<Property name="ABCSExtension.PostProcessABM">false</Property>
</ServiceConfiguration>
```

e. For the **SyncSupplierPartyListEbizReqABCSImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCSImpl/Ebiz/Core/SyncSupplierPartyListEbizReqABCSImpl/V1}SyncSupplierPartyListEbizReqABCSImpl">
<Property name="Default.SystemID">EBIZ_01</Property>
<Property name="BypassAddressIDXref">No</Property>
</ServiceConfiguration>
```

f. For the module property **SERVER_GMT_OFFSET** in the module Ebiz, always use the values either the offset or the only the timezone and not both. For example:

```
<Property name="EBIZ_01.SERVER_GMT_OFFSET">+00:00</Property>
Or
```

```
<Property name="EBIZ_01.SERVER_GMT_OFFSET">+GMT</Property>
```

6. Ensure that the following properties are set to false in the **AIAConfigurationProperties.xml** file

- Under **SyncCurrencyExchangeListLogisticsProvABCSImpl**

```
<Property name="ABCSExtension.PostXformABMtoEBM">false</Property>
<Property name="ABCSExtension.PostInvokeABS">false</Property>
```

- Under **SyncCurrencyExchangeListEbizReqABCSImpl**

```
<Property name="ABCSExtension.PostXformABMtoEBM">false</Property>
<Property name="ABCSExtension.PostInvokeEBS">false</Property>
```

- Under **SyncSupplierPartyListLogisticsProvABCSImpl**

```

<Property name="ABCSExtension.PostProcessABM">false</Property>
<Property name="ABCSExtension.PostProcessEBM">false</Property>
• Under CreatePayableInvoiceListEbizProvABCImpl

<Property name="ABCSExtension.PostXformABMtoEBM">false</Property>
<Property name="ABCSExtension.PostInvokeABS">false</Property>
• Under CreateAccountingEntryListEbizProvABCImpl

<Property name="ABCSExtension.PostXformABMtoEBM">false</Property>
<Property name="ABCSExtension.PostInvokeEBS">false</Property>
• Under CreateInvoiceListEbizProvABCImpl

<Property name="ABCSExtension.PostProcessEBM ">false</Property>
<Property name="ABCSExtension.PostProcessABM ">false</Property>

```

Import DVMs

In the ESB console check whether the following DVMs are present:

- LANGUAGE_CODE,
- CUSTOMERPARTY_STATUSCODE,
- CUSTOMERPARTY_ACCTSITESTATUS
- SUPPLIERPARTY_ADDRESSTYPE.

If the DVMs are not present, import them manually from the following files under AIA_HOME>\patchset\PIPS\Core\SeedData\DVM

LANGUAGE95CODE.xml

CUSTOMERPARTY95STATUSCODE.xml

CUSTOMERPARTY95ACCTSITESTATUS.xml

SUPPLIERPARTY95ADDRESSTYPE.xml

Perform additional post upgrade tasks as described in section.

Upgrading the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

Upgrade first and then upgrade the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP following the tasks discussed below.

Performing pre-upgrade tasks for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

To upgrade the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP.

After you upgrade Foundation Pack, you will find the upgrade script for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP at
 <AIA_HOME>\patchset\Core\Setup\Fleet\OrderManagement\Upgrade\FleetOrderUpgrade.xml.

Before you run the upgrade script, perform the following tasks:

- Export Domain Value Maps (DVM):

If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.

- Backup Cross Reference data:

It is a good practice to take a back up of the cross-reference data on the AIA schema (table XREF_DATA).

- Backup Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any routing rules, on any of the EBS available as part of the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP, on top of the rules provided out of the box, you need to manually take a back up of the rules.

- Undeploy the following services from the BPEL Console:

SyncCustomerPartyListLogisticsProvABCSImpl

Running Upgrade Scripts for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

To run upgrade scripts:

1. Run the aiaenv script located in the AIA_HOME/bin directory to set the environment variables.

Platform	To set the environment variables:
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin source aiaenv.sh</pre>
IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin . aiaenv.sh</pre>
Microsoft Windows (32-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>\bin aiaenv.bat</pre>

2. Verify that the AIA_HOME and ORACLE_HOME environment variables were correctly set when the script was run.
3. Run the **FleetOrderUpgrade.xml** script. This script is located in the directory:

<AIA_HOME>\patchset\PIPS\Core\Setup\Fleet\OrderManagement\Upgrade

4. After the execution of the script, check the log file under <AIA_HOME>\logs\Install\PIPS with the following name

FleetOrderUpgrade<MMDDYYYY>-<HHMMSS>.log to check if the build is successful for the PIP.

Performing Post-Upgrade Tasks for the LSP Order Mgmt: OTM - EBS - Siebel CRM PIP

The routing rules for the EBS **CustomerPartyEBSV2**, if not present for the PIP, need to be added manually in the ESB Console.

To add routing rules for **CustomerPartyEBSV2**:

1. Login to the ESB Console.
2. Choose the **CustomerPartyEBSV2** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **CustomerPartyEBSV2**.
4. Add the following routing rules for the **CustomerPartyEBSV2::SyncCustomerPartyList** operation.

a. Enter the following in Filter Condition:

```
{ (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode=' PRODUCTION'
or
not (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode/text ( ) )
and
(xp20:compare (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:Sender/corecom:ID,'SEBL_01') = 0) }; { namespace
xp20=http://www.oracle.com/XSL/Transform/java/oracle.tip.pc.services.functions.Xpath20 namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/CustomerParty/V2 }
```

b. Choose the following as the target operation:

```
AIASystem->Siebel->ABCS->SyncCustomerPartyJMSProducerV1->Produce_Message
```

Under the same operation create another routing rule and add the following:

c. Enter the following in Filter Condition:

```
{ count (/customerpartyebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode[text ( ) = 'CAVS' ]) != 0 }; { namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
customerpartyebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/CustomerParty/V2 }
```

- d. Choose the following as the target operation:

```
AIASystem->ValidationSystem->AsyncRequestRecipient ->simulate
```

- e. Add the Map file SetCAVSEndpoint.xsl which is present in the project.

The routing rules for the EBS SyncCustomerPartyLogisticsJMSConsumerV1 need to be added manually in the ESB Console.

To add routing rules for **SyncCustomerPartyLogisticsJMSConsumerV1_RS**:

1. Login to the **ESB Console**.
2. Choose the **CustomerPartyEBSV2** under **AIASystem**, **Logistics**, **EBS**.
3. Choose **Routing Rules** tab for **SyncCustomerPartyLogisticsJMSConsumerV1_RS**.
4. Add the following routing rules for the **SyncCustomerPartyLogisticsJMSConsumerV1_RS::Consume_Message** operation.

- a. Enter the following in Filter Condition:

```
{count(/ebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode[text()='CAVS'])=0};{ namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EO/CustomParty/V2 }
```

- b. Choose the following as the target operation:

```
BPELSystem->default->SyncCustomerPartyListLogisticsProvABCImpl->
SyncCustomerPartyListLogisticsProvABCImpl_1_0-
>SyncCustomerPartyList
```

Under the same operation create another routing rule and add the following:

- c. Enter the following in Filter Condition:

```
{count(/ebo:SyncCustomerPartyListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode[text()='CAVS'])!=0};{ namespace
corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2
namespace
ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EO/CustomParty/V2 }
```

- d. Choose the following as the target operation:

```
AIASystem->ValidationSystem->AsyncRequestRecipient ->simulate
```

- e. Add the Map file SetCAVSEndpoint.xsl which is present in the project.

7. Modify **AIAConfigurationProperties.xml** located under **<AIA_HOME>/config** for the following services.

- a. For the **QueryTransportationSalesOrderItineraryListLogisticsProvABCImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Logistics/Core/QueryTr
ansportationSalesOrderItineraryListLogisticsProvABCServiceImpl/V1}QueryTr
ansportationSalesOrderItineraryListLogisticsProvABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
</ServiceConfiguration>
```

- b.** For the **SyncTransportationStopListLogisticsProvABCServiceImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Logistics/Core/SyncTr
ansportationSalesOrderListLogisticsProvABCServiceImpl/V1}SyncTransportatio
nSalesOrderListLogisticsProvABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
<Property name="ABCSExtension.PostInvokeABS">false</Property>
<Property name="ABCSExtension.PostInvokeEBM">false</Property>
</ServiceConfiguration>
```

- c.** For the **SyncItemListLogisticsProvABCServiceImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Logistics/Core/SyncIte
mListLogisticsProvABCServiceImpl/V1}SyncItemListLogisticsProvABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>.
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
<Property name="ABCSExtension.PostProcessEBM">false</Property>
<Property name="ABCSExtension.PostProcessABM">false</Property>
</ServiceConfiguration>
```

- d.** For the **SyncTransportationSalesOrderListLogisticsProvABCServiceImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Logistics/Core/SyncTra
nsportationStopListLogisticsProvABCServiceImpl/V1}SyncTransportationStopLis
tLogisticsProvABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
<Property name="ABCSExtension.PostProcessABM">false</Property>
<Property name="ABCSExtension.PostProcessEBM">false</Property>
</ServiceConfiguration>
```

Perform additional post upgrade tasks as described in section.

Upgrading the LSP Driver Mgmt: OTM - EBS PIP

Upgrade first and then upgrade the LSP Driver Mgmt: OTM - EBS PIP following the tasks discussed in the sections below.

Performing pre-upgrade tasks for the LSP Driver Mgmt: OTM - EBS PIP

To upgrade the LSP Driver Mgmt: OTM - EBS PIP from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. You need to upgrade Foundation Pack to 2.5 from your existing version before you can upgrade a PIP.

After you upgrade Foundation Pack, you will find the upgrade script for the LSP Driver Mgmt: OTM - EBS PIP at:

`<AIA_HOME>\patchset\PIPS\Core\Setup\Fleet\FleetDriverManagementUpgrade.xml`

Before you run the upgrade script, perform the following tasks:

- Export Domain Value Maps (DVM):
If you have added custom values/columns to the DVMs on the ESB Console, export the DVMs manually.
- Backup Cross Reference data:
It is a good practice to take a back up of the cross-reference data on the AIA schema (table XREF_DATA).
- Go to `<ORACLE_HOME>/integration/esb/bin` and delete the Work invoice XREF
- Set the environment variables as follows:

```
export OC4J_USERNAME=<oc4jusername>
```

```
export OC4J_PASSWORD=<oc4jpassword>
```

Note: oc4jusername and oc4jpassword are the access credentials for the server.

- Execute the file under `<oracle_home>/integration/esb/bin` as follows:
`./xreftool.sh -shell`
- Execute the following command to delete the XREF table:
- `deleteTable PAYABLEINVOICE_WORKINVOICEID.`
- Delete the “CalculateDriverIncentiveCompensationListEbizAdapter” service from ESB Console.
- Undeploy the CalculateDriverIncentiveCompensationListEbizProvABCImpl from BPEL Console.
- Login to the Oracle Ebusiness Suite database in SQLplus with the “apps” sshema login credentials. Execute the following sql files:
`<AIA_HOME>/PIPS/Core/Ebiz/InboundAdapterServices/CalculateDriverIncentiveCompensationListEbizAdapter/ XX_BPEL_CALCULATEDRIVERINCENTI_drop.sql`
`<AIAHome>/patchset/PIPS/Core/Ebiz/InboundAdapterServices/CalculateDriverIncentiveCompensationListEbizAdapter/ XX_BPEL_CALCULATEDRIVERINCENTI.sql`

- Backup Custom Routing Rules in the Enterprise Business Services (EBS):

If you have defined any routing rules, on any of the EBS available as part of the LSP Driver Mgmt: OTM - EBS PIP, on top of the rules provided out of the box, you need to manually take a back up of the rules.

Running Upgrade Scripts for the LSP Driver Mgmt: OTM - EBS PIP

To run upgrade scripts:

1. Run the aiaenv script located in the AIA_HOME/bin directory to set the environment variables.

Platform	To set the environment variables:
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin source aiaenv.sh</pre>
IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>/bin . aiaenv.sh</pre>
Microsoft Windows (32-bit)	At the command line prompt, enter: <pre>cd <AIA Foundation Pack directory>\bin aiaenv.bat</pre>

2. Verify that the AIA_HOME and ORACLE_HOME environment variables were correctly set when the script was run.
3. Run the FleetDriverManagementUpgrade.xml script. This script is located in the directory:
 <AIA_HOME>\patchset\PIPS\Core\Setup\Fleet\DriverManagement\Upgrade
4. After the execution of the script, check the log file under <AIA_HOME>\logs\Install\PIPS with the following name
 FleetDriverManagementUpgrade<MMDDYYYY>-<HHMMSS>.log to check if the build is successful for the PIP.

Performing Post-Upgrade Tasks for the LSP Driver Mgmt: OTM - EBS PIP

The routing rules for the EBS **WorkerEBS**, need to be added manually in the ESB Console.

To add routing rules for **WorkerEBS**:

1. Login to the **ESB Console**.

2. Choose **WorkerEBS** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **WorkerEBS**.
4. Add the following routing rules for the **WorkerEBS::SyncWorkerList** operation.

a. Enter the following in Filter Condition:

```
{compare(/ebo:SyncWorkerListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') != 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/Worker/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

b. Choose the following as the target operation:

```
BPELSystem->default->SyncWorkerListLogisticsProvABCImpl->SyncWorkerListLogisticsProvABCImpl_1_0->SyncWorkerList
```

Under the same operation create another routing rule and add the following:

c. Enter the following in Filter Condition:

```
{compare(/ebo:SyncWorkerListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') = 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/Worker/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

d. Choose the following as the target operation:

```
AIASystem->ValidationSystem->AsyncRequestRecipient->simulate
```

e. Add the Map file **SetCAVSEndpoint.xml** which is present in the project.

The routing rules for the EBS **ResourceCalendarEntryEBS** need to be added manually in the ESB Console.

To add routing rules for **ResourceCalendarEntryEBS**:

1. Login to the **ESB Console**.
2. Choose **ResourceCalendarEntryEBS** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **ResourceCalendarEntryEBS**.
4. Add the following routing rules for the **ResourceCalendarEntryEBS::SyncResourceCalendarEntryList** operation.

a. Enter the following in Filter Condition:

```
{compare(/ebo:SyncResourceCalendarEntryListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') != 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/ResourceCalendarEntry/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

b. Choose the following as the target operation:

```
BPELSystem->default->SyncResourceCalendarEntryListLogisticsProvABCImpl->SyncResourceCalendarEntryListLogisticsProvABCImpl_1_0->
```

SyncResourceCalendarEntryList

Under the same operation create another routing rule and add the following:

c. Enter the following in Filter Condition:

```
{compare(/ebo:SyncResourceCalendarEntryListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') = 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EB0/ResourceCalendarEntry/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

d. Choose the following as the target operation:

AIASystem->ValidationSystem->AsyncRequestRecipient->simulate

e. Add the Map file **SetCAVSEndpoint.xsl which is present in the project.**

The routing rules for the EBS **PayableInvoiceEBS** need to be added manually in the ESB Console.

To add routing rules for **PayableInvoiceEBS**:

1. Login to the **ESB Console**.
2. Choose **PayableInvoiceEBS** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **PayableInvoiceEBS**.
4. Add the following routing rules for the **PayableInvoiceEBS:CalculateDriverIncentiveCompensationList** operation.

a. Enter the following in Filter Condition:

```
{compare(/ebo:CalculateDriverIncentiveCompensationListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') != 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EB0/PayableInvoice/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

b. Choose the following as the target operation:

```
BPELSystem->default->CalculateDriverIncentiveCompensationListEbizProvABCSImpl->CalculateDriverIncentiveCompensationListEbizProvABCSImpl_1_0->CalculateDriverIncentiveCompensationList
```

Under the same operation create another routing rule and add the following:

c. Enter the following in Filter Condition:

```
{compare(/ebo:CalculateDriverIncentiveCompensationListEBM/corecom:EBMHeader/corecom:MessageProcessingInstruction/corecom:EnvironmentCode,'CAVS') = 0};{namespace ebo=http://xmlns.oracle.com/EnterpriseObjects/Core/EB0/PayableInvoice/V1 namespace corecom=http://xmlns.oracle.com/EnterpriseObjects/Core/Common/V2}
```

d. Choose the following as the target operation:

AIASystem->ValidationSystem->AsyncRequestRecipient->simulate

e. Add the Map file **SetCAVSEndpoint.xsl which is present in the project.**

The routing rules for the EBS **PayableInvoiceResponseEBS** need to be added manually in the ESB Console.

To add routing rules for **PayableInvoiceResponseEBS**:

1. Login to the **ESB Console**.
2. Choose **PayableInvoiceResponseEBS** under **AIASystem**, **EBS**.
3. Choose **Routing Rules** tab for **PayableInvoiceResponseEBS**.
4. Add the following routing rules for the **PayableInvoiceResponseEBS:CalculateDriverIncentiveCompensationListResponse** operation.

- a. Choose the following as the target operation:

```
BPELSystem->default->
CalculateDriverIncentiveCompensationListLogisticsReqABCImpl->
CalculateDriverIncentiveCompensationListLogisticsReqABCImpl_1_0->
CalculateDriverIncentiveCompensationListResponse
```

5. Modify **AIAConfigurationProperties.xml** located under **<AIA_HOME>/config** for the following services.

- a. Under **Module Configuration** add the following module property

```
<!-- =====
Fleet Driver Management PIP Initial Load properties Start
===== --> <ModuleConfiguration
moduleName="WORKERFLOW">
<Property name="NoOfRecords">10</Property>
</ModuleConfiguration>

<!--
=====
Fleet Driver Management PIP Initial Load properties End
===== -
->
```

- b. For the **SyncLocationListLogisticsProvABCImpl** add the following property

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCImpl/Logistics/Core/SyncLo
cationListLogisticsProvABCImpl/V1}SyncLocationListLogisticsProvABC
Impl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
</ServiceConfiguration>
```

- c. For the **SyncResourceCalendarEntryListLogisticsProvABCImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCImpl/Logistics/Core/SyncRe
sourceCalendarEntryListLogisticsProvABCImpl/V1}SyncResourceCalendar
EntryListLogisticsProvABCImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
</ServiceConfiguration>
```

- d. For the **SyncWorkerListLogisticsProvABCImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCImpl/Logistics/Core/SyncWor
```

```
kerListLogisticsProvABCServiceImpl/V1}SyncWorkerListLogisticsProvABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
</ServiceConfiguration>
```

- e. For the **CalculateDriverIncentiveCompensationListLogisticsReqABCServiceImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Logistics/Core/Calcula
teDriverIncentiveCompensationListLogisticsReqABCServiceImpl/V1}CalculateDri
verIncentiveCompensationListLogisticsReqABCServiceImpl">
<Property name="Default.SystemID">OTM_01</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
<Property
name="CallbackURL">http://${http.hostname}:${http.port}/httpbinding/d
efault/CalculateDriverIncentiveCompensationListLogisticsReqABCServiceImpl/T
ransmissionReport</Property>
<Property
name="Routing.LogisticsWebService.OTM_01.EndpointURI">http://${logist
ics.http.host}:${logistics.http.port}/GC3Services/IntXmlService/call<
/Property>
<Property name="OTM_01.DefaultDomain">DIT1</Property>
<Property name="OTM_01.USERNAME">${logistics.user}</Property>
<Property name="OTM_01.PASSWORD">${logistics.password}</Property>
<Property name="OTM_01.ISPASSWORDENCRYPTED">false</Property>
<Property
name="OTM_01.WORKINVOICE.STATUS.NAME">WORK_INVOICE_SENT</Property>
<Property
name="OTM_01.WORKINVOICE.STATUS.VALUE">WORK_INVOICE_SENT_NOT_SENT</Pr
operty>
<Property
name="OTM_01.WORKINVOICE.CUSTOM.STATUS.NAME">CUSTOM_WORK_INVOICE_SENT
_FAILED</Property>
<Property
name="OTM_01.WORKINVOICE.CUSTOM.STATUS.VALUE">CUSTOM_WORK_INVOICE_SEN
T_FAILED_YES</Property>.
</ServiceConfiguration>
```

- f. For the **SyncTrainingCalendarListEbizReqABCServiceImpl** add the following property:

```
<ServiceConfiguration
serviceName="{http://xmlns.oracle.com/ABCServiceImpl/Ebiz/Core/SyncTraining
CalendarListEbizReqABCServiceImpl/V1}SyncTrainingCalendarListEbizReqABCImp
l">
<Property name="Default.SystemID">EBIZ_01</Property>
<Property name="DelaySeconds">5</Property>
</ServiceConfiguration>
```

- Perform additional post upgrade tasks as described in section.

Upgrading Demantra Sales and Ops Planning Integration for Hyperion Planning

If you have installed Foundation Pack, upgrade first and then upgrade the Demantra Sales and Ops Planning Integration for Hyperion Planning following the tasks discussed below.

Performing pre-upgrade tasks for Demantra Sales and Ops Planning Integration for Hyperion Planning

To upgrade the Demantra Sales and Ops Planning Integration for Hyperion Planning from version 2.4 to version 2.5, you need to manually execute the upgrade scripts. Before you upgrade Demantra Sales and Ops Planning Integration for Hyperion Planning, perform the following tasks.

1. Upgrade Oracle Data Integrator from 10.1.3.4.4 to 10.1.3.5.3. To upgrade ODI, refer the ODI Installation Guide for 10.1.3.5 and follow the steps given in the *Upgrading Oracle Data Integrator* section.
2. If you have installed Foundation Pack, upgrade Foundation Pack to 2.5.
3. Upgrade Demantra Sales and Ops Planning Integration for Hyperion Planning

You will find the upgrade script at

<AIA_HOME>\patchset\PIPS\Core\Setup\DemantraHyperion\Upgrade\DemantraHyperionPIPUpgrade.xml

Running Upgrade Scripts for Demantra Sales and Ops Planning Integration for Hyperion Planning

Run the dmhypenv script located in the AIA_HOME\bin directory.

Verify that AIA_HOME, ANT_HOME, JAVA_HOME and ODI_JAVA_HOME environment variables are correctly set.

1. Run the script DemantraHyperionPIPUpgrade.xml. This script is located in the directory:
<AIA_HOME>\patchset\PIPS\Core\Setup\DemantraHyperion\Upgrade.
2. Run the following commands to run the upgrade scripts for your platform.

Platform	Commands to run upgrade script
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	ant -noconfig -buildfile DemantraHyperionPIPUpgrade.xml
Microsoft Windows (32-bit)	ant -buildfile DemantraHyperionPIPUpgrade.xml

3. Perform additional post upgrade tasks as described in section.

Performing Post Upgrade Tasks for AIA

Evaluate the Upgrade log file for any exceptions or warnings:

- ☐ View FP23to25Upgrade<timestamp>.log or FP24to25Upgrade<timestamp>.log (depending on the upgrade path).
- ☐ For PIPs view the log file that is created on the name of the PIP. For example if you are

upgrading Order to Cash PIP from version 2.3 or 2.4 to version 2.5, the name of the log file will be O2CUpgrade<timestamp>.log under AIA_HOME/logs/Install/PIPS.

- Timestamp format is MMddyyyy-HHmss and this file is located in the logs folder of the AIA HOME. The Installer / Upgrade logs all the exceptions and warnings and the normal auditing in this file. If you notice the following warning, then please ignore it—it is a known warning that occurs because of an invalid character in one of the files of the EOL content:

runCustomExtTracer:

[java] java.io.UTFDataFormatException: Invalid byte 1 of 1-byte UTF-8 sequence.

- For objects that were identified to have been extended, the installer logs the list of EBOs that it found as extended by you. These are reported in the following way:

*[java]
/slot/ems1846/oracle/FP_Upgrade_9June_1/patchset/AIAComponents/EnterpriseObjectLibrary/Core/Custom/EBO/InstalledProduct/V2/CustomInstalledProductEBO.xsd*

*[java] **element updated** :[Element: <xsd:sequence [Namespace: >]*

- Every major task performed by the installer is audited in the file. Here are some of the sample audit comments:

undeployAIAUI:

[echo] - Undeploying the Ear AIAApplication.ear

[java] 08/08/09 16:12:33 Notification ==>Application UnDeployer for AIAApplication STARTS.

DeployAIAUI:

[echo] - Deploying the Ear AIAApplication.ear

[oracle:deploy] Deploying application AIAApplication.

[oracle:deploy] Application deployer for AIAApplication COMPLETES.

[echo] - Deployment of AIAApplication.ear completed

From the backups that you performed, compare the following files and manually merge the configuration settings, as required:

Files that you should consider restoring from the backups include:

- AIAConfigurationProperties.xml in the AIAHOME/config folder.
- esb-fault-policy.xml and any properties file in the AIAHOME/config folder directory or the SOA HOME, if any of them have been customized.

For more information about how to perform implementation-related configurations, refer to the Oracle Application Integration Architecture - Foundation Pack 2.5: Integration Developer's Guide.

Chapter 40: Deploying the Foundation Pack Demo

Foundation Pack is shipped with a demo that can be deployed on top of any Foundation Pack installation. This demo illustrates the main concepts of Foundation Pack and is provided primarily for educational purposes.

This chapter includes the following sections:

- Setting the Environment
- Starting the Demo Deployment
- Verifying the Demo Deployment

For more information about the Oracle AIA Foundation Pack Demo, see Oracle Application Integration Architecture - Foundation Pack: Getting Started with the Oracle AIA Foundation Pack and Demo.

Setting the Environment

The Foundation Pack Demo is deployed to the SOA Suite instance with a one-step script based on the ANT tool. For that purpose, you need to set the required environment variables first:

Platform	To set the environment variables:
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack directory>/bin</code> <code>source aiaenv.sh</code>
IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack directory>/bin</code> <code>. aiaenv.sh</code>
Microsoft Windows (32-bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack directory>\bin</code> <code>aiaenv.bat</code>

Starting the Demo Deployment

Use the commands for your platform:

Platform	To start the demo deployment:
Linux x86	At the command line prompt, enter:

Platform	To start the demo deployment:
Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit) HP-UX 11i (64 bit)	<pre>cd \$AIA_HOME/samples/AIADemo/scripts ant --noconfig -buildfile DeployDemo.xml</pre>
Microsoft Windows (32-bit)	At the command line prompt, enter: <pre>cd %AIA_HOME%\samples\AIADemo\scripts ant -buildfile DeployDemo.xml</pre>

You can check the log appearing on the screen for any errors during deployment.

Verifying the Demo Deployment

To verify the deployment of the demo:

1. Access the following URL: `http:<server-name>:<port>/soademo`.
2. Verify that you can log in to the application with the following username and password combination and that you can browse through the list of electronic items.

Username: ***sking@soademo.org***

Password: ***welcome1***

3. Select some items and add them to the cart.
4. Select the Cart tab and click Place Order.
5. Open the BPEL and ESB consoles and verify that BPEL processes and ESB services were launched and that they all ran successfully.
6. Register as a new user and verify common use cases.

To register as a new user on the Login prompt:

1. Click **Register as a new user**.
2. Provide information for all entries and provide a numeric value for the credit card number exceeding 12345678.
3. Click **Register**.

You should see two more successful BPEL processes in the console. You can also use this new account to place orders and to verify the execution in the SOA Suite.

Chapter 41: Undeploying the Foundation Pack Demo

This chapter includes the following sections:

- Setting the Environment
- Starting the Demo Undeployment
- Verifying the Demo Undeployment

For more information about the Oracle AIA Foundation Pack Demo, see the Oracle Application Integration Architecture - Foundation Pack: Getting Started with the Oracle AIA Foundation Pack and Demo.

Setting the Environment

The Foundation Pack Demo is undeployed from the SOA Suite instance with a one-step script based on the ANT tool. For this purpose, you need to set the required environment variables first:

Platform	To set the environment variables:
Linux x86 Solaris SPARC (64-bit) HP-UX 11i (64 bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack Home directory>/bin</code> <code>source aiaenv.sh</code>
IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack directory>/bin</code> <code>. aiaenv.sh</code>
Microsoft Windows (32-bit)	At the command line prompt, enter: <code>cd <AIA Foundation Pack Home directory>\bin</code> <code>aiaenv.bat</code>

Starting the Demo Undeployment

If you have deployed the Foundation Pack demo on Oracle SOA Suite on Oracle Application Server, use the following command:

Platform	To start the demo un-deployment:
Linux x86 Solaris SPARC (64-bit) IBM AIX Based Systems (64-bit)	At the command line prompt, enter: <code>cd \$AIA_HOME/samples/AIADemo/scripts</code> <code>ant --noconfig -buildfile UndeployDemo.xml</code>

Platform	To start the demo un-deployment:
HP-UX 11i (64 bit)	
Microsoft Windows (32-bit)	At the command line prompt, enter: <pre>cd %AIA_HOME%\samples\AIADemo\scripts ant -buildfile UndeployDemo.xml</pre>

You can check the log appearing on the screen for any errors during undeployment.

Verifying the Demo Undeployment

To confirm proper undeployment of the demo, verify that the following URL is not accessible:
`http:<server-name>:<port>/soademo`.

Chapter 42: Installing Reference Process Models

This chapter provides an overview of the Reference Process Model linkage to the Business Service Repository and the installation process and includes the following sections:

- Understanding Reference Process Model Linkage to Business Service Repository
- Understanding the Installation Process
- Manually Uploading Reference Process Models to Business Process Publisher
- Configuring the Redirect Servlet on Business Publisher

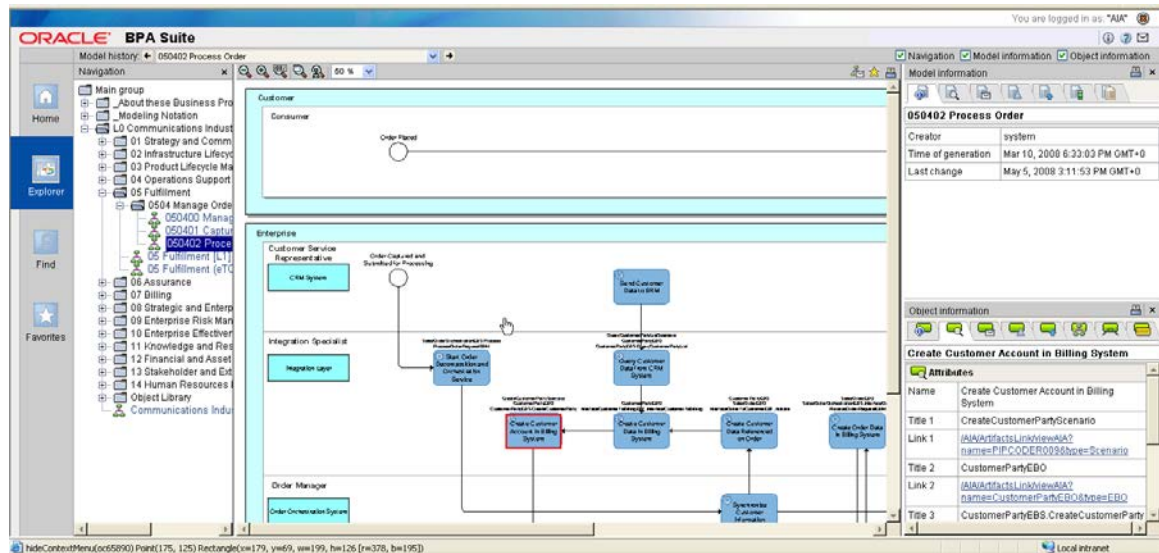
Understanding Reference Process Model Linkage to Business Service Repository

Oracle has created and delivered conceptual horizontal logical reference process models, as well as reference process models for those processes supported by AIA releases. The reference process models for a Foundation Pack or a PIP enable you to see and understand how AIA provides application integration solutions for your business processes.

The models combine the view of the business analyst with the view of the technical analyst and provide both a business and technical view of the process. Oracle uses a standard modeling notation and adds technical artifacts to the models at the lowest level of decomposition by linking the reference process models to the appropriate artifact in the BSR.

The user experience enables you to:

- Log in to the Business Process Publisher.
- Navigate to a process model.
- Drill down through the various process levels from L0 all the way to the lowest level, L2 or L3.
- Click a link (relative URLs) to access the relevant EBO and EBS that support the process within the BSR.



L3 Model with Technical Artifacts Viewed through Business Process Publisher

Integration Scenario

Service Repository > Integration Scenario

Integration Scenario

Service Name: CustomerPartyEBS
 Operation Name: UpdateCustomerParty
 Scenario Name: UpdateCustomerParty Provider
 Scenario Code: PIP R003

Keyword: Portal, Siebel, CustomerParty, CustomerPartyEBO, Customer, Oracle Communications Integration Pack for Agent Assisted Customer Care

MEP: REQUEST_RESPONSE
 Life Cycle: Yes
 CAVS Enabled: Yes
 Description: Implements the UpdateCustomerParty operation in the CustomerPartyEBS Service

Provider Applications

Expand All | Collapse All

Portal

Focus/Application Integration Scenario	Detail
Provider Application: Portal	<ul style="list-style-type: none"> Available From: Interface Service Name: Interface Operation Name: Implementation Service Name: UpdateCustomerPartyPortalProvABCSImpl Implementation Operation Name: UpdateCustomerParty Interface Implementation Technology:
Connector: UpdateCustomerPartyPortalProvABCSImpl	<ul style="list-style-type: none"> Oracle Validated: Implementation Service Technology: Binding: SOAP State Management: Yes Chatty Conversation: Yes

Invoking Scenarios

Scenario Name	Scenario Code	Scenario Type
UpdateCustomerParty Portal Requestor	PIP R002	Requestor

TIP A provider scenario represents the communication path from provider applications, through their connector services, to an enterprise business service in the AIA integration layer. A provider scenario can be invoked by one or more scenarios that stand upstream of the given provider scenario.

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BSR Integration Scenario for Artifact in L3 Model

Service Repository > EBO

Enterprise Business Object

EBO Name: CustomerPartyEBO
 Description: A Customer Party represents a Customer Account of a Customer Party in the deploying company's Account Receivable system. A Customer Party is a party that has a buying relationship with the deploying company.
 Industry: 1.00
 Target Namespace: http://xmlns.oracle.com/EnterpriseObjects/Core/EBO/CustomerParty/V1
 XSD Name: CustomerPartyEBO.xsd
 Location: http://ad60117fems.us.oracle.com:7865/AIAComponents/EnterpriseObjectLibrary/Core/EBO/CustomerParty/V1/CustomerPartyEBO.html
 Type: EBO
 Service Registry: http://ad60117fems.us.oracle.com:7865/registry/uddi/web/view?ModelKey=uddi:49537da0-3815-11dd-8ee1-b081bed08ee0

Flexfields

Master Name	Name	Value
BSRSubmissionEmailEBO	Contact E-Mail Address	
BSRSubmissionProductIdEBO	Product ID	
BSRSubmissionCompIdEBO	Component ID	

BSR EBO for Artifact in L3 Model

Service | EBO | Integration Scenario

Service Repository > Service

Impact Analysis Report

Service

Service: **CustomerPartyEBS**
 Target Namespace: **http://xmlns.oracle.com/EnterpriseServices/Core/CustomerParty/V2**
 Description: **Customer Party Enterprise Business Service**
 Service Type: **Enterprise Business Service**
 ABO Name: **CustomerPartyEBO**
 EBO Name: **CustomerPartyEBO**
 Service Name: **CustomerPartyEBS**
 Lifecycle Status:
 Product Pillar:
 Product Code:
 Product Family:
 Shipped Version: **2.0**
 Deployed Version: **2.0**
 Last Published URL: **http://adc60117fems.us.oracle.com:7865/BSR/AIAComponents/EnterpriseBusinessServiceLibrary/Core/EBO/CustomerParty/V2/CustomerPartyEBS.wsdl**

UDDI Entries

URL	Service Registry
http://adc60117fems.us.oracle.com:7865/BSR/AIAComponents/EnterpriseBusinessServiceLibrary/Core/EBO/CustomerParty/V2/CustomerPartyEBS.wsdl	http://adc60117fems.us.oracle.com:7865/registry/uddi/web/viewService?serviceKey=uddi:oracle.com:application:4804a8b0-38d4-11dd-8eed-b081bed08ee0
http://adc60117fems.us.oracle.com:7865/BSR/AIAComponents/EnterpriseBusinessServiceLibrary/Core/EBO/CustomerParty/V2/CustomerPartyEBS.wsdl	http://adc60117fems.us.oracle.com:7865/registry/uddi/web/viewService?serviceKey=uddi:oracle.com:application:91ba1720-381a-11dd-8ee6-b081bed08ee0
http://adc60117fems.us.oracle.com:7865/BSR/AIAComponents/EnterpriseBusinessServiceLibrary/Core/EBO/CustomerParty/V2/CustomerPartyEBS.wsdl	http://adc60117fems.us.oracle.com:7865/registry/uddi/web/viewService?serviceKey=uddi:oracle.com:application:e954ada0-38c0-11dd-8eea-b081bed08ee0

BSR EBS for Artifact in L3 Model

Because this feature requires UI linkages between two distinct products, Business Process Publisher and BSR, the following mechanisms are in place:

- When users click the relative URLs in the process models inside the Business Publisher, HTTP requests are made to a redirect servlet. This servlet resides on the Tomcat application server of the Business Publisher; its sole purpose is to redirect the requests to another servlet residing on the BSR/Oracle AIA side.
- The second servlet resides on the Oracle AIA side. Its purpose is to intercept the call and interpret the URLs. The URL is encoded and parameterized. As such, the URL will be translated into appropriate BSR UI URL.
- At this point, BSR UI is rendered in a pop-up browser.

Understanding the Installation Process

The reference process models are delivered in two forms:

- The source database file (.adb), which contains all models. These models can be modified through the use of a licensed copy of Oracle's Business Process Architect (OBPA) and
- An export of all models, which are read only through the use of Oracle's Business Process Publisher.

The installation of the reference process models differs from AIA installation. They use different installers and can be installed on different machines.

The AIA installation is an automated process that installs the BSR and its servlet (the second one that resides on the AIA side).

The first option for utilizing the reference process models is through OBPA. OBPA allows for full access to reference process models. If you do not already have a copy of OBPA, contact Oracle Sales to purchase a licensed copy. Follow the instructions provided with the software to install the Architect and restore the models source database file. The source database file, *filename.adb*, is located in the \<aia.home>\seeddata\BPM\ADB\ directory on the *Oracle AIA release media pack*. Included in this directory are the Oracle AIA filter and template files used to create the models. Refer to the software documentation for installing the filter and template. If you already have a licensed copy of the Business Process Architect, you can obtain the credentials to log into the database from the My Oracle Support note 763620.1 titled *Login Credentials to open the AIA models within Oracle BPA Suite* on My Oracle Support.

The second option for utilizing the reference process models is through Oracle's Business Process Publisher. Unlike OBPA, Publisher only allows for read only access to the process models. The Business Process Publisher is *a packaged component within an Oracle AIA release media pack*. The Business Process Publisher installation is described in the installation guide that comes with the Publisher. You need to manually copy and upload AIA reference process models onto the Business Publisher and implement and configure the BSR servlet as discussed in the next sections, before you can view the models. The files that are required to be installed with the Publisher can be found in the \<aia.home>\seeddata\BPM\Export directory and the files to configure the BSR servlet are in the \<aia.home>\seeddata\BPM\Setup directory.

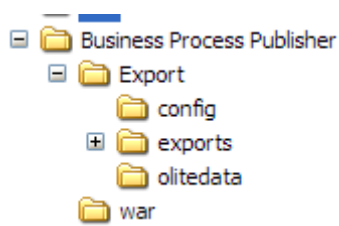
Note: The installation of Business Process Publisher and the models is independent from the AIA installation. The current feature of uploading the reference process models onto the Business Process Publisher is supported only on a Microsoft Windows XP platform at this time.

Manually Uploading Reference Process Models to Business Process Publisher

To manually upload Reference Process Models to the Business Process Publisher:

1. Download the **Business Process Publisher** and unzip it on a local drive (that is, C:\).
2. Copy the \Export directory and its contents from \<aia.home>\seeddata\BPM\ to the \Business Process Publisher directory (that is, C:\<directory Publisher unzipped to>\Business Process Publisher).

The following examples show the Business Process Publisher directory structure with the added Export directory.



Directory Structure for Business Process Publisher with Export Directory

Export		File Folder
war		File Folder
data1.cab	2,619 KB	WinZip File
data1.hdr	364 KB	HDR File
data2.cab	69,927 KB	WinZip File
engine32.cab	449 KB	WinZip File
layout.bin	1 KB	BIN File
setup.exe	115 KB	Application
setup.ibt	426 KB	IBT File
setup.ini	1 KB	Configuration Settings
setup.inx	227 KB	INX File
setup.skin	876 KB	SKIN File
Version.txt	1 KB	Text Document

Contents of Business Process Publisher Folder

- Run the **setup.exe** from C:\<directory Publisher unzipped to>\Business Process Publisher\.
- Accept all the defaults.
- Restart your computer for the application to install successfully.
- Log in to the Business Publisher and view the models (username = AIA and password = Welcome1).

Note: You can view the models at this point. You cannot link to the EBO, EBS, and integration scenario artifacts until you complete the procedure.

Configuring the Redirect Servlet on Business Publisher

To configure the redirect servlet on Business Publisher:

You can find the BSR redirect servlet files in the \<aia.home>\seeddata\BPM\Setup\ directory.

- Place the **aia-redirect.jar** file in the Business Process Publisher lib folder.
- Reconfigure the **Business Publisher web.xml** file to trigger the filter logics implemented in the aia-redirect.jar.

The web.xml is located in the \<Publisher install directory>\Oracle BPA Suite10.1.3.4\BPServer\tomcat\webapps\businesspublisher\WEB-INF directory

3. Copy the contents of the **aia-web.xml** file and place them after the other filter parameters in the Business Publisher web.xml file.
4. Modify the following parameter values, noted in red italics, with the information from your AIA implementation:

```
<filter>
    <filter-name>AIARedirectFilter</filter-name>
    <filter-
class>com.oracle.aia.util.AIAServletRedirectFilter</filter-class>
    <init-param>
        <param-name>hostname</param-name>
        <param-value>{host.name}</param-value> ←Replace
{host.name} with hostname of BSR server
    </init-param>
    <init-param>
        <param-name>port</param-name>
        <param-value>{http.port}</param-value> ←Replace
{http.port} with port number of BSR server
    </init-param>
    <init-param>
        <description>BSR Version V1 or V2</description>
        <param-name>bsrversion</param-name>
        <param-value>{bsr.version}</param-value> ←Replace
{bsr.version} with v2
    </init-param>
    <init-param>
        <description>The physical location of AIAComponents
directory</description>
        <param-name>aialocation</param-name>
        <param-value>{aia.location}</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>AIARedirectFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>
```

5. Restart the Business Publisher for Application service, OracleBPA10134.
6. Confirm successful configuration.
 - a. Log in to the Business Publisher.
 - b. Navigate to an L3 model.
 - c. Click an object and view the attributes of the object in the Object Information pane.
 - d. Click the URL of the Oracle AIA artifact that you want to view. A BSR login screen pops up.
 - e. Log in (get the username and password information from your AIA implementer).
 - f. Check whether you can view the information for the EBO/S or integration scenario artifact that you clicked.

Note: You need to log in to BSR only for the first URL link that you click; after that, BSR refreshes the window with the new artifact information.

Appendix

RUL of OSR for AIA is limited to the following:

- The customer can use OSR for viewing and consuming Oracle AIA Content (Oracle Intellectual Property) available with their licensed AIA Foundation Pack and/or Process Integration Packs. The pre-built AIA content includes: Services/Binding Templates (WSDL), Schemas(XSD) and Transforms(XSLT/XQUERY))
- The customer can make limited modifications and extensions to the AIA content only in accordance with the AIA extension mechanism, and not for other purposes:
 - a. Adding custom attributes to the AIA schemas
 - b. Adding corresponding transforms for the custom attributes
 - c. Modifying out-of-the-box AIA services taxonomy/categorization
 - d. Modifying out-of-the-box AIA endpoint binding templates
 - e. Adding new taxonomies or models to categorize (1) the out-of-the-box and (2) the extended Oracle AIA content

Any of the following conditions would trigger the FUL of OSR with AIA

1. Adding custom business services.
2. Adding new operation to an existing service.
3. Registering your own in-house services.
4. Adding new taxonomies or models to categorize customer specific content (from 1, 2, 3 above).
5. Modifying attributes and other metadata in OSR other than through the AIA extension mechanism.

Index

AIA Installer

- preparing to launch, 42
- screens sequence, 44

AIA Installer interview

Comms Agent Assisted Billing Care

- Siebel CRM - BRM PIP, 269

Comms Order to Bill

- Siebel CRM - BRM PIP, 285

Comms Revenue Accounting

- EBS - BRM PIP, 299

Customer MDM

- Comms BRM, 149

- EBS, 143

- SAP, 160

- Siebel CRM, 137

Customer MDM Base Pack, 131

Demantra Sales and Ops Planning

- Integration for Hyperion Planning, 348

Design to Release

- Agile - EBS / PIM PIP screens, 57

- Agile – SAP PIP, 67

- Agile PLM - JDE E1 PIP screens, 81

Financial Accounting Hub for PSFT GL

- PIP, 256

Financials Ops Control

- Oracle Retail - EBS PIP, 238

Foundation Pack screens, 49

Lead to Order

- CRM OD - EBS PIP, 195

- CRM OD - JDE E1 PIP, 189

- CRM OD - JDE World PIP, 211

LSP Driver Mgmt

- OTM - EBS PIP, 337

LSP Financial Mgmt

- OTM - EBS PIP, 311

LSP Order Mgmt

- OTM - EBS - Siebel CRM PIP, 321

Order to Cash

- Siebel CRM - EBS PIP, 89

- Siebel CRM - SAP PIP, 99

Product MDM

- EBS, 183

- Siebel CRM, 177

Product MDM Base Pack, 169

Project Portfolio Management

- Primavera P6 - JDE E1 PIP, 389

- Primavera P6-EBS Projects PIP, 381

Retail to Financials PIP, 220

Siebel CRM to OIC, 118

Study, Subject and Visit Synch

- Siebel Clinical - Oracle Clinical PIP, 397

Utilities Field Work PIP, 407

VCP to JDE E1 Integration, 361

Workforce Administration for PeopleSoft

- HR, 375

configure redirect servlet, 569

deploying Foundation Pack demo, 561

deploy commands, 561

environment setup, 561

verifying demo deployment, 562

field values in installer screens

Comms Agent Assisted Billing Care

- Siebel CRM - BRM PIP, 269
- Comms Order to Bill
 - Siebel CRM - BRM PIP, 285
- Comms Revenue Accounting
 - EBS - BRM PIP, 299
- Customer MDM
 - Comms BRM, 149
 - EBS, 143
 - SAP, 160
 - Siebel CRM, 137
- Customer MDM Base Pack, 131
- Demantra Sales and Ops Planning
 - Integration for Hyperion Planning, 348
- Design to Release
 - Agile - EBS / PIM PIP, 57
 - Agile – SAP PIP, 67
 - Agile PLM - JDE E1 PIP, 81
- Financial Accounting Hub for PSFT GL
 - PIP, 256
- Financials Ops Control
 - Oracle Retail - EBS PIP, 238
- Foundation Pack, 49
- Lead to Order
 - CRM OD - EBS PIP, 195
 - CRM OD - JDE E1 PIP, 189
 - CRM OD - JDE World PIP, 211
- LSP Driver Mgmt
 - OTM - EBS PIP, 337
- LSP Financial Mgmt
 - OTM - EBS PIP, 311
- LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 321
- Order to Cash
 - Siebel CRM - EBS PIP, 89
 - Siebel CRM - SAP PIP, 99

- Product MDM
 - EBS, 183
 - Siebel CRM, 177
- Product MDM Base Pack, 169
- Project Portfolio Management
 - Primavera P6 - JDE E1 PIP, 389
 - Primavera P6-EBS Projects PIP, 381
- Retail to Financials PIP, 220
- Siebel CRM to OIC, 118
- Study, Subject and Visit Synch
 - Siebel Clinical - Oracle Clinical PIP, 397
- Utilities Field Work PIP, 407
- VCP to JDE E1 Integration, 361
- Workforce Administration for PeopleSoft
 - HR, 375
- hardware requirements, 36
- installation process overview, 11
- installation requirements
 - hardware requirements, 36
- installing Business Process Publisher, 567
- installing Comms Agent Assisted Billing
 - Care
 - Siebel CRM - BRM PIP, 269
- installing Comms Order to Bill
 - Siebel CRM - BRM PIP, 285
- installing Comms Revenue Accounting
 - EBS - BRM PIP, 299
- installing Customer MDM
 - Comms BRM, 149
 - EBS, 143
 - SAP, 155
 - Siebel CRM, 137
- installing Customer MDM Base Pack, 131
- installing Demantra Sales and Ops Planning
 - Integration for Hyperion Planning, 347
- installing Design to Release

- Agile - EBS / PIM PIP, 57
- Agile – SAP PIP, 67
- Agile PLM - JDE E1 PIP, 81
- installing Financial Accounting Hub for PSFT GL PIP, 255
- installing Financials Ops Control
 - Oracle Retail - EBS PIP, 237
- installing Foundation Pack on OC4J, 49
- installing Lead to Order
 - CRM OD - EBS PIP, 195
 - CRM OD - JDE E1 PIP, 189
 - CRM OD - JDE World PIP, 211
- installing LSP Driver Mgmt
 - OTM - EBS PIP, 337
- installing LSP Financial Mgmt
 - OTM - EBS PIP, 311
- installing LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 321
- installing Order to Cash
 - Siebel CRM - EBS PIP, 89
 - Siebel CRM - SAP PIP, 99
- installing Product MDM
 - EBS, 183
 - Siebel CRM, 177
- installing Product MDM Base Pack, 169
- installing Project Portfolio Management
 - Primavera P6 - JDE E1 PIP, 389
 - Primavera P6-EBS Projects PIP, 381
- installing Retail to Financials PIP, 219
- installing Siebel CRM to OIC, 117
- installing Study, Subject and Visit Synch
 - Siebel Clinical - Oracle Clinical PIP, 397
- installing Utilities Field Work PIP, 407
- installing VCP to JDE E1 Integration, 361
- installing Workforce Administration for PeopleSoft HR, 375
- JCA and IBSE configurations for Oracle AS Adapter for SAP, 71
- JCA configurations for Oracle AS Adapter for SAP, 103, 156
- manually upload reference process models, 568
- multiple PIPs on single SOA instance, 47
- OPatch, 17
- Oracle AS Adapter for SAP
 - installation and configuration, 69, 102
 - installation and configuration for Customer MDM
 - SAP, 155
- Oracle Data Integrator
 - configuring for Financial Accounting Hub for PSFT GL PIP, 255
 - configuring for Financials Ops Control
 - Oracle Retail - EBS PIP, 237
 - configuring for Retail to Financials PIP, 219
 - configuring for Siebel CRM to OIC Integration, 117
 - creating repositories for Siebel CRM to OIC, 117
- Oracle Data Integrator Repositories
 - creating repositories for Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 269
 - creating repositories for Comms Revenue Accounting
 - EBS - BRM PIP, 299
 - creating repositories for Financial Accounting Hub for PSFT GL PIP, 255
 - creating repositories for Financials Ops Control
 - Oracle Retail - EBS PIP, 238
 - creating repositories for Retail to Financials PIP, 220

overview	SAP, 166
installing AIA, 11	Customer MDM Base Pack, 135
upgrading AIA, 12	Demantra Sales and Ops Planning Integration for Hyperion Planning, 355
patching process, 17	Design to Release
PIPs co-deployment, 47	Agile - EBS / PIM PIP, 64
post upgrade tasks for Comms Agent Assisted Billing Care	Agile – SAP PIP, 79
Siebel CRM - BRM PIP, 536	Agile PLM - JDE E1 PIP, 86
post upgrade tasks for Comms Order to Bill	Financial Accounting Hub for PSFT GL PIP, 265
Siebel CRM - BRM PIP, 539	Financials Ops Control
post upgrade tasks for Design to Release	Oracle Retail - EBS PIP, 248
Agile - EBS / PIM PIP, 511	Foundation Pack, 56
Agile - SAP PIP, 514	Lead to Order
post upgrade tasks for Financials Ops Control	CRM OD - EBS PIP, 203
Oracle Retail - PSFT PIP, 525	CRM OD - JDE E1 PIP, 194
post upgrade tasks for Lead to Order	CRM OD - JDE World PIP, 216
CRM OD – JDE E1 PIP, 522	LSP Driver Mgmt
post upgrade tasks for LSP Driver Mgmt	OTM - EBS PIP, 344
OTM - EBS PIP, 553	LSP Financial Mgmt
post upgrade tasks for LSP Financial Mgmt	OTM - EBS PIP, 318
OTM - EBS PIP, 541	LSP Order Mgmt
post upgrade tasks for Oracle Customer Hub PIP, 521	OTM - EBS - Siebel CRM PIP, 329
post upgrade tasks for Order to Cash	Order to Cash
Siebel CRM - EBS PIP, 516	Siebel CRM - EBS PIP, 97
post upgrade tasks LSP Order Mgmt	Siebel CRM - SAP PIP, 115
OTM - EBS - Siebel CRM PIP, 548	Product MDM
post-installation configurations	EBS, 188
Comms Agent Assisted Billing Care	Siebel CRM, 182
Siebel CRM - BRM PIP, 279	Product MDM Base Pack, 174
Comms Order to Bill	Project Portfolio Management
Siebel CRM - BRM PIP, 292	Primavera P6-EBS Projects PIP, 387
Comms Revenue Accounting	Project Portfolio Mgmt
EBS- BRM PIP, 308	Primavera P6 - JDE E1, 394
Customer MDM	Retail to Financials PIP, 231

- Siebel CRM to OIC, 127
- Study, Subject and Visit Synchronizer
 - Siebel Clinical - Oracle Clinical PIP, 402
- VCP to JDE E1 Integration, 370
- Workforce Administration for PeopleSoft HR, 379
- pre-installation configurations
 - Agile PLM SAP PIP, 75
 - Customer MDM
 - Comms BRM, 150
 - EBS, 144
 - SAP, 162
 - Siebel CRM, 138
 - Customer MDM Base Pack, 132
 - Demantra Sales and Ops Planning Integration for Hyperion Planning, 347
 - Design to Release
 - Agile - EBS / PIM PIP, 60
 - Agile PLM - JDE E1 PIP, 81
 - directory browsing Apache Server, 41
 - Fusion Middleware memory settings, 39
 - Java transaction API transaction timeout value, 41
 - JDK version, 42
 - Lead to Order
 - CRM OD - EBS PIP, 198
 - Order to Cash
 - Siebel CRM - SAP PIP, 109
 - Product MDM Base Pack, 170
 - VCP to JDE E1 Integration, 361
- pre-installation configurations
 - Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 273
 - Comms Order to Bill
 - Siebel CRM - BRM PIP, 287
 - LSP Driver Mgmt
 - OTM - EBS PIP, 337
 - LSP Financial Mgmt
 - OTM - EBS PIP, 311
 - LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 321
- pre-intallation configurations
 - Project Portfolio Management
 - Primavera P6 - JDE E1 PIP, 390
- Preparing for AIA Installation, 39
- pre-upgrade tasks for Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 535
- pre-upgrade tasks for Comms Order to Bill
 - Siebel CRM - BRM PIP, 537
- pre-upgrade tasks for Demantra Sales and Ops Planning Integration for Hyperion Planning, 557
- pre-upgrade tasks for Design to Release
 - Agile - EBS / PIM PIP, 509
- pre-upgrade tasks for Financial Accounting Hub for PSFT GL PIP, 532
- pre-upgrade tasks for Financials Ops Control
 - Oracle Retail - PSFT PIP, 523
- pre-upgrade tasks for Lead to Order
 - CRM OD - JDE E1 PIP, 522
- pre-upgrade tasks for LSP Driver Mgmt
 - OTM - EBS PIP, 551
- pre-upgrade tasks for LSP Financial Mgmt
 - OTM - EBS PIP, 540
- pre-upgrade tasks for LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 547
- pre-upgrade tasks for Oracle Customer Hub PIP, 519
- pre-upgrade tasks for Order to Cash
 - Siebel CRM - EBS PIP, 514
- pre-upgrade tasks for the Design to Release

- Agile - SAP PIP, 512
- Publishing AIA Content
 - To BSR, 47
 - To OSR, 48
- redirect servlet on Business Publisher, 569
- reference process models
 - installing, 565
- reference process models and business service repository, 565
- reference process models to Business Process Publisher, 568
- routing rules configuration
 - installing more than one PIP, 46
 - installing multiple PIPs, 45
 - installing one PIP, 45
- running upgrade scripts for Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 536
- running upgrade scripts for Comms Order to Bill
 - Siebel CRM - BRM PIP, 538
- running upgrade scripts for Demantra Sales and Ops Planning Integration for Hyperion Planning, 557
- running upgrade scripts for Design to Release
 - Agile - EBS / PIM PIP, 510
- running upgrade scripts for Financial Accounting Hub for PSFT GL PIP, 533
- running upgrade scripts for Financials Ops Control
 - Oracle Retail – PSFT PIP, 525
- running upgrade scripts for Lead to Order
 - CRM OD - JDE E1 PIP, 522
- running upgrade scripts for LSP Driver Mgmt
 - OTM - EBS PIP, 552
- running upgrade scripts for LSP Financial Mgmt

- OTM - EBS PIP, 540
- running upgrade scripts for LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 547
- running upgrade scripts for Oracle Customer Hub PIP, 520
- running upgrade scripts for Order to Cash
 - Siebel CRM - EBS PIP, 515
- running upgrade scripts for Design to Release
 - Agile - SAP PIP, 513
- Setting up JDeveloper 10g for AIA, 489
- software requirements
 - Agile PLM - JDE E1 PIP, 18
 - Agile PLM SAP PIP, 18
 - Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 32
 - Comms Order to Bill
 - Siebel CRM - BRM PIP, 32
 - Comms Revenue Accounting
 - EBS - BRM PIP, 32
 - Customer MDM
 - Comms BRM, 24
 - EBS, 23
 - SAP, 24
 - Siebel CRM, 23
 - Customer MDM Base Pack, 22
 - Demantra Sales and Ops Planning Integration for Hyperion Planning, 33
 - Design to Release
 - Agile - EBS / PIM PIP, 17
 - Financial Accounting Hub for PSFT GL PIP, 31
 - Financials Ops Control
 - Oracle Retail - EBS PIP, 30
 - Oracle Retail - PSFT PIP, 29
 - Foundation Pack, 16

- Lead to Order
 - CRM OD - EBS PIP, 27
 - CRM OD - JDE E1 PIP, 25
 - CRM OD - JDE World PIP, 29
- LSP Driver Mgmt
 - OTM - EBS PIP, 33
- LSP Financial Mgmt
 - OTM - EBS PIP, 33
- LSP Order Mgmt
 - OTM - EBS - Siebel CRM PIP, 33
- Order to Cash
 - Siebel CRM - EBS PIP, 19
- Product MDM
 - EBS, 25
 - Siebel CRM, 25
- Product MDM Base Pack, 24
- Project Portfolio Management
 - Primavera P6-EBS Projects PIP, 35
- Siebel CRM for SAP Sales & Distribution
 - Order to Cash PIP, 22
- Siebel CRM to OIC, 22
- Study, Subject and Visit Synch
 - Siebel Clinical - Oracle Clinical PIP, 36
- Utilities Field Work PIP, 36
- VCP to JDE E1 Integration, 34
- Workforce Administration for PeopleSoft HR, 34
- software requirements Project Portfolio Management
 - Primavera P6 - JDE E1 PIP, 35
- suppressing validations of participating applications, 44
- topology recommendations, 37
- undeploying Foundation Pack demo, 563
 - setting environment, 563
 - undeploy commands, 563
 - verifying undeployment, 564
- uninstalling AIA
 - removing AIA artifacts from Service Registry, 492
 - removing PIP specific artifacts from BSR, 492
 - uninstalling AIA from OC4J, 493
 - uninstalling Comms Agent Assisted Billing Care
 - Siebel CRM – BRM ODI Artifacts, 500
 - uninstalling Comms Revenue Accounting
 - EBS - BRM PIP ODI Artifacts, 502
 - uninstalling Demantra Sales and Ops Planning Integration for Hyperion Planning ODI Artifacts, 503
 - uninstalling DVMs and XREFs of PIPs, 494
 - uninstalling Financials Ops Control
 - Oracle Retail - EBIZ PIP ODI Artifacts, 498
 - Oracle Retail - PSFT PIP ODI Artifacts, 496
 - uninstalling Siebel CRM to OIC ODI artifacts, 495
 - verifying uninstallation, 504
- upgrading AIA
 - post upgrade tasks for AIA, 558
 - post upgrade tasks for Financial Accounting Hub for PSFT GL PIP, 534
 - post upgrade tasks for Foundation Pack, 508
 - pre upgrade tasks for Foundation Pack, 46, 506
 - understanding upgrade, 505
 - upgrade process for Foundation Pack, 507
 - upgrading Comms Agent Assisted Billing Care
 - Siebel CRM - BRM PIP, 534
 - upgrading Comms Order to Bill

Siebel CRM - BRM PIP, 537	EBS, 432
upgrading Comms Revenue Accounting	SAP, 433
EBS - BRM PIP, 539	Siebel CRM, 431
upgrading Demantra Sales and Ops Planning Integration for Hyperion Planning, 557	Customer MDM Base Pack, 430
upgrading Design to Release	Demantra Sales and Ops Planning Integration for Hyperion Planning, 473
Agile - EBS / PIM PIP, 509	Design to Release
Agile - SAP PIP, 511	Agile - EBS / PIM PIP, 416
upgrading Financial Accounting Hub for PSFT GL PIP, 532	Agile PLM - JDE E1 PIP, 423
upgrading Financials Ops Control	file creation and logs, 414
Oracle Retail - PSFT PIP, 523	Financial Accounting Hub for PSFT GL PIP, 456
upgrading Foundation Pack, 506	Financials Ops Control
upgrading Lead to Order	Oracle Retail - EBS PIP, 450
CRM OD - JDE E1 PIP, 521	Oracle Retail - PSFT PIP, 443
upgrading LSP Driver Mgmt	Foundation Pack, 415
OTM - EBS PIP, 551	installation and patch information, 413
upgrading LSP Financial Mgmt	Lead to Order
OTM - EBS PIP, 539	CRM OD - EBS PIP, 439
upgrading LSP Order Mgmt	CRM OD - JDE E1 PIP, 436
OTM - EBS - Siebel CRM PIP, 547	CRM OD - JDE World PIP, 440
upgrading Oracle Customer Hub PIP, 519	LSP Driver Mgmt
upgrading Oracle Product Hub PIP, 521	OTM - EBS PIP, 471
upgrading Order to Cash	LSP Financial Mgmt
Siebel CRM - EBS PIP, 514	OTM - EBS PIP, 468
verifying installation	LSP Order Mgmt
Agile PLM SAP PIP, 421	OTM - EBS - Siebel CRM PIP, 469
Comms Agent Assisted Billing Care	Order to Cash
Siebel CRM - BRM PIP, 459	Siebel CRM - EBS PIP, 425
Comms Order to Bill	Siebel CRM - SAP PIP, 427
Siebel CRM - BRM PIP, 463	Product MDM
Comms Revenue Accounting	EBS, 436
EBS - BRM PIP, 466	Siebel CRM, 435
Customer MDM	Product MDM Base Pack, 434
Comms BRM, 432	Project Portfolio Management

Primavera P6 - JDE E1 PIP, 484	Siebel Clinical - Oracle Clinical PIP, 486
Primavera P6-EBS Projects PIP, 483	Utilities Field Work PIP, 487
Siebel CRM to OIC, 428	VCP to JDE E1 Integration, 474
Study, Subject and Visit Synchron	Workforce Administration for PeopleSoft HR, 477