

Oracle® Value Chain Planning Integration to
JD Edwards EnterpriseOne 2.5 -
Implementation Guide

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Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne 2.5 - Implementation Guide

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Preface

This preface discusses:

- Oracle Advanced Planning Command Center User's Guide
- Oracle Advanced Supply Chain Planning User's Guide
- Oracle Data Integrator User's Guide
- Oracle Demantra Implementation Guide
- Oracle Demantra User's Guide
- Oracle Demantra Deductions and Settlement Management Implementation Guide
- Oracle Demantra Demand Management User's Guide
- Oracle Demantra Predictive Trade Planning Implementation Guide
- Oracle Demantra Sales and Operations Planning User's Guide
- Oracle Inventory Optimization User's Guide
- Oracle JD Edwards EnterpriseOne Order Promising Guide
- Oracle Production Scheduling Implementation Guide
- Oracle Strategic Network Optimization Implementation Guide
- Additional Resources

Oracle Advanced Planning Command Center User's Guide

- The Oracle Advanced Planning Command Center User's Guide discusses how to:
- Manage scenarios
- Use web services
- Use the Advanced Planning analytical framework
- Use the Supply Chain Analyst dashboard

Oracle Advanced Supply Chain Planning User's Guide

- The Oracle Advanced Supply Chain Planning User's Guide discusses how to:

- Set up Oracle Advanced Supply Chain Planning
- Run collections
- Define supply chain plans
- Perform supply chain modeling and simulations
- Set up, manage, and run distribution plans
- Run reports and concurrent processes

Oracle Data Integrator User's Guide

The Oracle Data Integrator User's Guide discusses how to:

- Use the ODI Designer
- Use the ODI Topology Manager
- Use the ODI Operator
- Use the ODI Agent
- Use the Security Manager

Oracle Demantra Implementation Guide

- The Oracle Demantra Implementation Guide discusses how to:
- Manage security
- Configure organizations, levels, series, units, and time units
- Configure integration interfaces and data profiles
- Create and manage workflows
- Configure methods

Oracle Demantra User's Guide

The Oracle Demantra User's Guide discusses how to:

- Get started with the Collaborator Workbench
- Manage tasks
- Use content panes
- Use the members browser content pane

- Personalize the Collaborator Workbench
- Create and redefine content panes
- Log into Demantra remotely
- Create and modify worksheets
- Design the worksheet layout with graphs and views
- Run simulations and create forecasts
- Work offline

Oracle Demantra Deductions and Settlement Management Implementation Guide

- The Oracle Demantra Deductions and Settlement Management Implementation Guide discusses how to:
 - Resolve settlements with customers
 - Match promotional events
 - Attach proof of performances for promotions
 - Mark, split, or deny a settlement

Oracle Demantra Demand Management User's Guide

- The Oracle Demantra Demand Management User's Guide discusses how to:
 - Run simulations
 - Use Demand Management worksheets
 - Configure Demand Management
 - Work with levels and series

Oracle Demantra Predictive Trade Planning User's Guide

- The Oracle Demantra Predictive Trade Planning User's Guide discusses how to:
 - Use advanced pre and post promotion analysis
 - Base volume forecast by item based on past history

- Perform historical event evaluation
- Perform detailed funds analysis

Oracle Demantra Sales and Operations Planning User's Guide

The Oracle Demantra Sales and Operations Planning User's Guide discusses how to:

- Use Sales and Operations Planning Worksheets
- Use Sales and Operations Planning Workflows
- Configure Sales and Operations Planning Workflows
- Work collaboratively to create consensus forecasts

Oracle Inventory Optimization User's Guide

The Oracle Inventory Optimization User's Guide discusses how to:

- Define an inventory plan
- Define key setup options
- View inventory plan output
- Use the Analysis Workbench

Oracle JD Edwards EnterpriseOne Order Promising Guide

The Oracle JD Edwards EnterpriseOne Order Promising Guide discusses how to:

- Define service objectives
- Simulate sales order promising
- Search for available inventory
- Allocate resources

Oracle Production Scheduling Implementation Guide

The Oracle Production Scheduling Implementation Guide discusses how to:

- Create production scheduling models

- Set up global options, scenario properties, and solver options
- Evaluate production schedules
- Invoke manual schedule changes
- Publish data

Oracle Strategic Network Optimization Implementation Guide

The Oracle Strategic Network Optimization Implementation Guide discusses how to:

- Build and optimize supply chain network models
- View and enter supply chain data
- Mitigate risk in supply chain network models
- Solve supply chain network models
- Report and extract data

Additional Resources

The following resources are available:

Resource	Location
Installation Guide	My Oracle Support https://support.oracle.com/
Documentation updates	My Oracle Support https://support.oracle.com/
Release Notes	Oracle Technology Network http://www.oracle.com/technology/
Known issues, workarounds, and current list of patches	My Oracle Support https://support.oracle.com/

Understanding Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne

This chapter provides an overview of Oracle Value Chain Planning Integration to JD Edwards EnterpriseOne (VCP to JDE E1 Integration) and discusses the:

- Architectural process
- Integration points
- Business processes

Direct Integration for VCP to JDE E1 Integration

This direct integration initiative enhances JD Edwards EnterpriseOne technology to facilitate integration with current and future planning applications in the Oracle EBS Value Chain Planning Suite. By integrating with the Oracle EBS Value Chain Planning Suite, it gives JD Edwards EnterpriseOne users access to a broader set of tools for their Advance Planning System, beyond the Demantra and Oracle Numetrix applications.

Note: This document assumes you are integrating JD Edwards EnterpriseOne to an Oracle Value Chain Planning planning instance that is not integrated to any other source instances. If a planning instance is integrated to other source instances, ensure that data components across multiple instances (such as unit of measures) are consistent.

Application Versions

The following application levels are supported for this integration:

- JD Edwards EnterpriseOne Release 9.0
- Oracle Value Chain Planning Suite Release 12.1.1
- Demantra 7.3.0

Participating Applications

The following applications are included in this integration:

- Oracle Advanced Planning Command Center
- Oracle Advanced Supply Chain Planning

- Oracle Demantra Deductions and Settlement Management
- Oracle Demantra Demand Management
- Oracle Demantra Predictive Trade Planning
- Oracle Demantra Sales and Operations Planning
- Oracle Inventory Optimization
- Oracle JD Edwards EnterpriseOne Order Promising
- Oracle Production Scheduling
- Oracle Strategic Network Optimization

Important: Oracle Demantra Predictive Trade Planning and Oracle Demantra Deduction Settlement Management do not support multiple instances of JD Edwards EnterpriseOne.

Architectural Process

This direct integration uses the existing Legacy collections system. The collection process is as follows:

1. Supply Chain and Demand Management data is extracted from JD Edwards EnterpriseOne using pre-seeded extracts.
2. ODI populates VCP Legacy staging tables.
3. The collections process is triggered and planning and demand management systems are populated.

After this process, VCP applications can be used as if the data was collected from an EBS instance. The publish process is as follows:

4. The VCP Publish process uses ODI to extract the publish data from VCP and creates JDE E1 import files.
5. The JD Edwards EnterpriseOne VCP import functions import the planning results into JDE E1.

Some planning information is not available in JD Edwards EnterpriseOne. Some of these planning functions can be achieved with the use of manually created data. This integration has a template that can be used to access the data which is not stored in JD Edwards EnterpriseOne.

In other cases, core data components required for planning functions are missing from JD Edwards EnterpriseOne. Therefore, not all of the planning functions are available.

Integration Points Overview

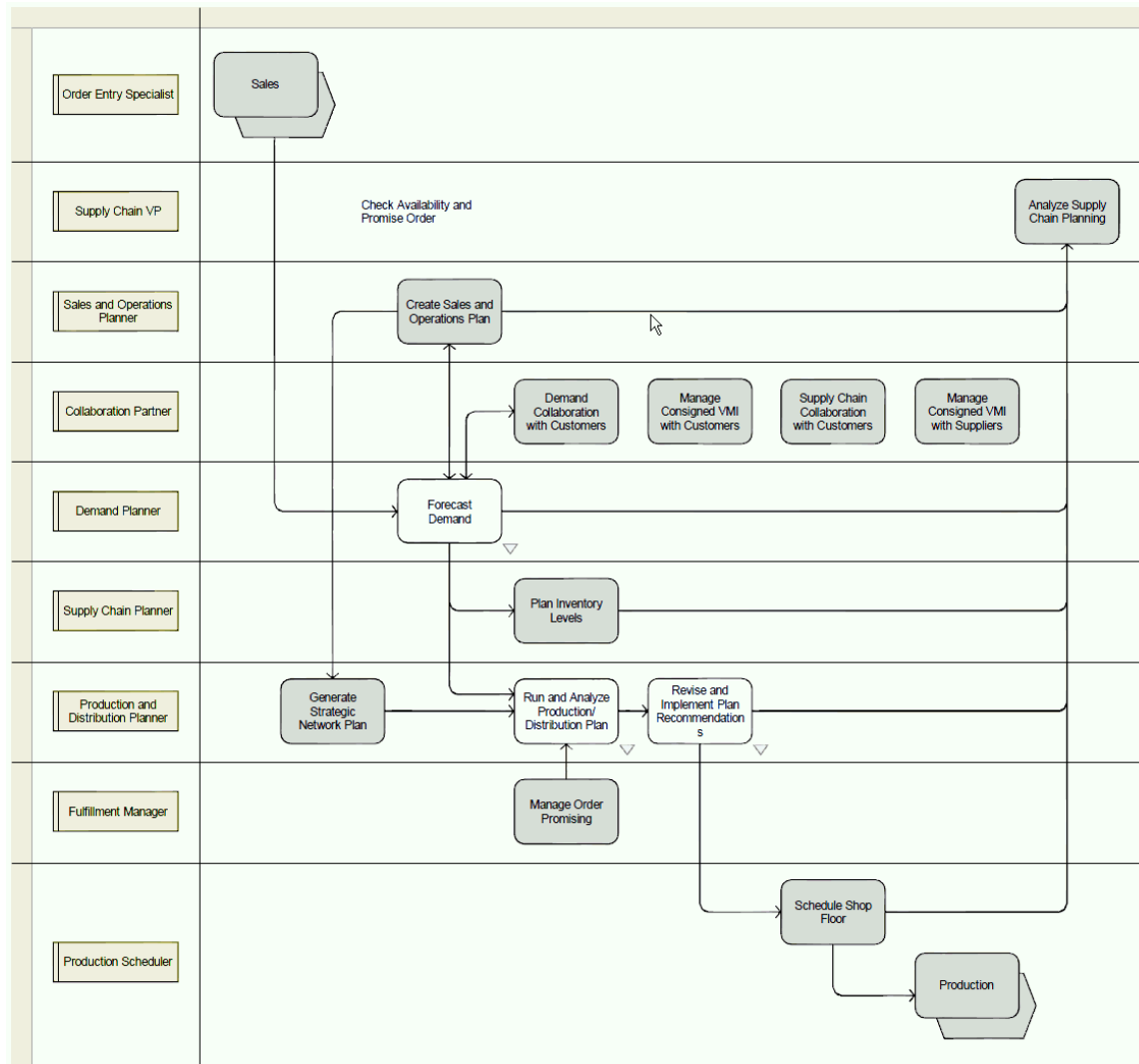
For integration point diagrams see the VCP to JDE E1 Release Notes.

Business Processes

The following diagrams show business processes that illustrate the integration points between JDEdwards EnterpriseOne and Value Chain Planning, that are enabled by the Process Integration Pack (PIP) titled '*Oracle Value Chain Planning Integration to J.D. Edwards EnterpriseOne.*' There are two general areas of business processes; Supply Chain Planning, and Marketing.

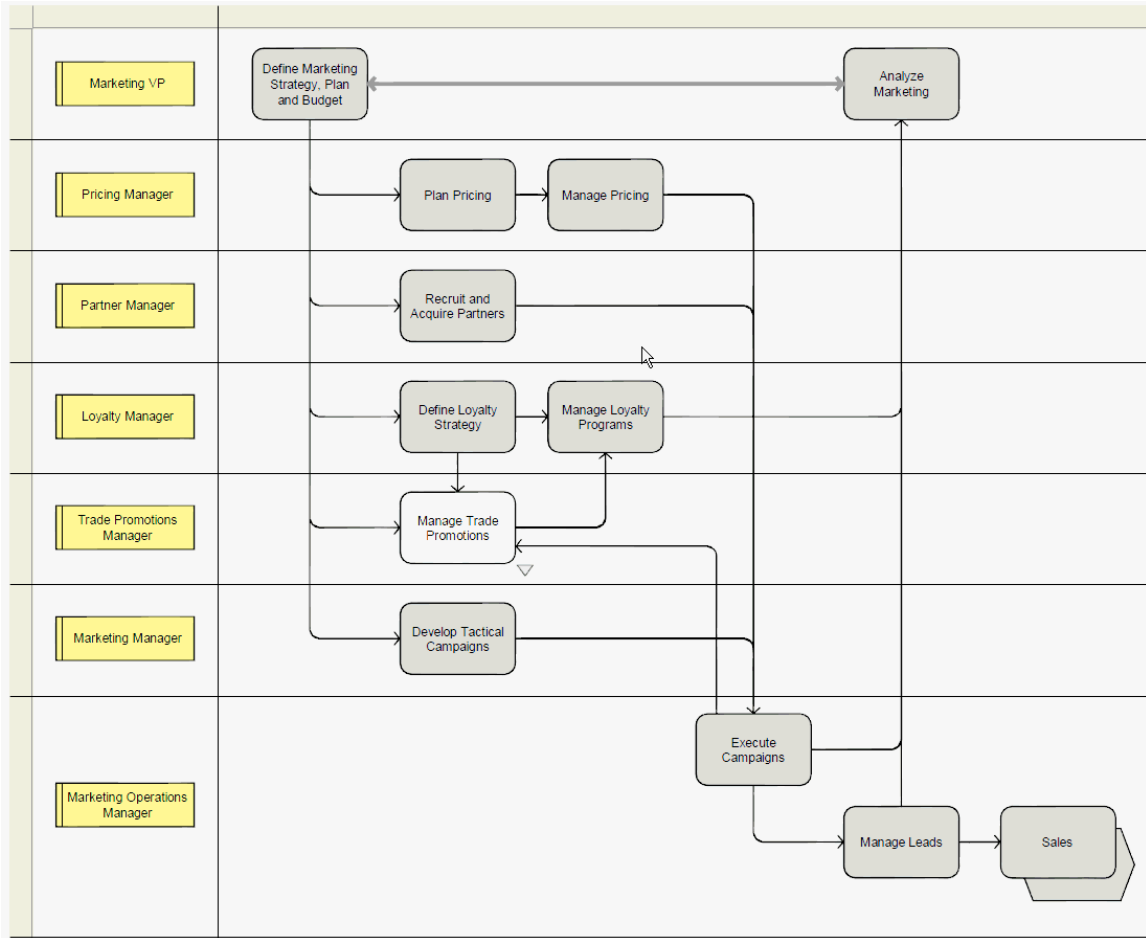
Supply Chain Planning

In the Supply Chain Planning area, the highlighted processes Forecast Demand, Run and Analyze Production/Distribution Plan, and Revise and Implement Plan Recommendations depict the processes that have integration points covered by this integration.



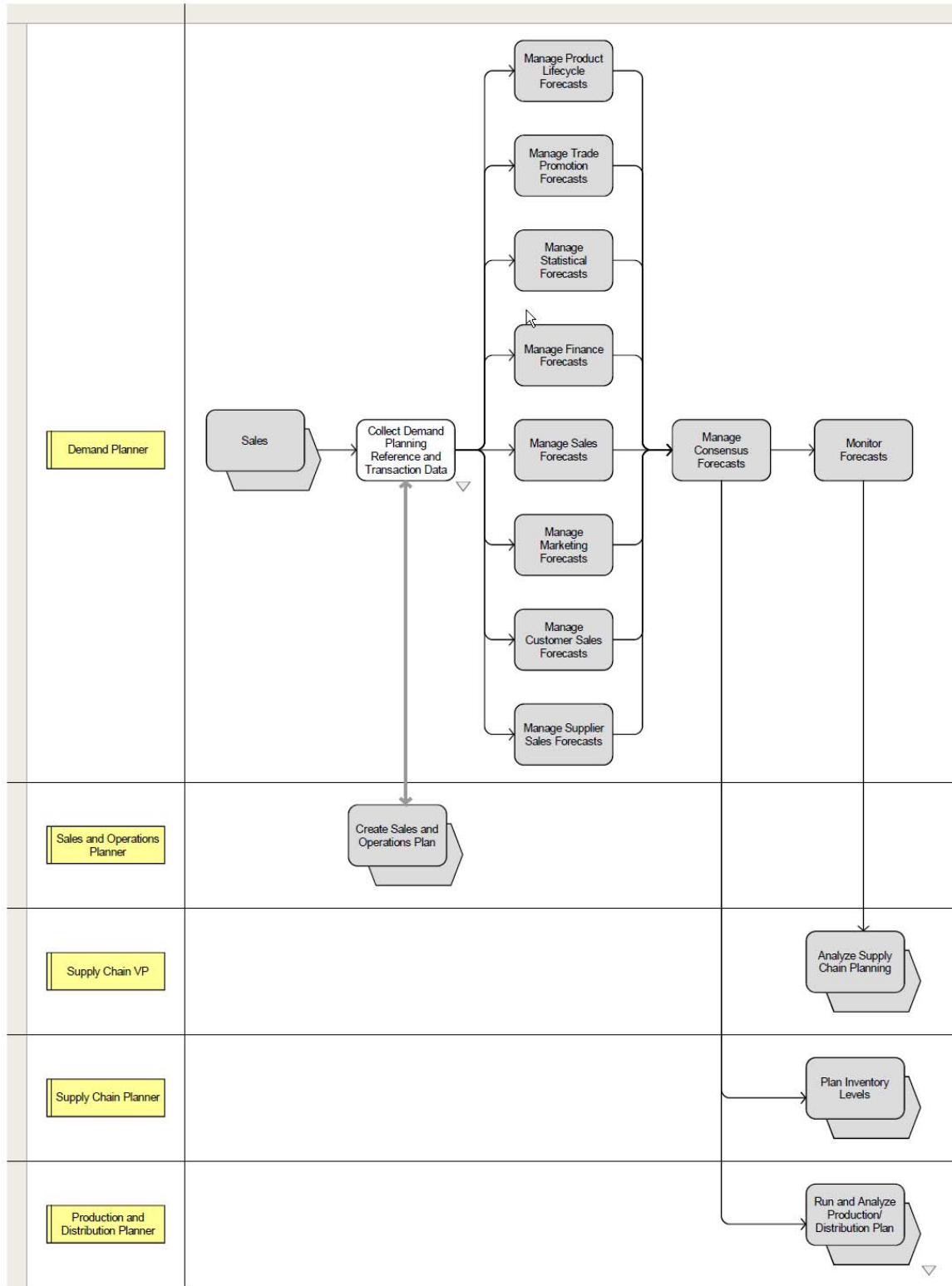
Marketing

In the Marketing area, the highlighted process 'Manage Trade Promotions' depicts the process that has integration points covered by this PIP.

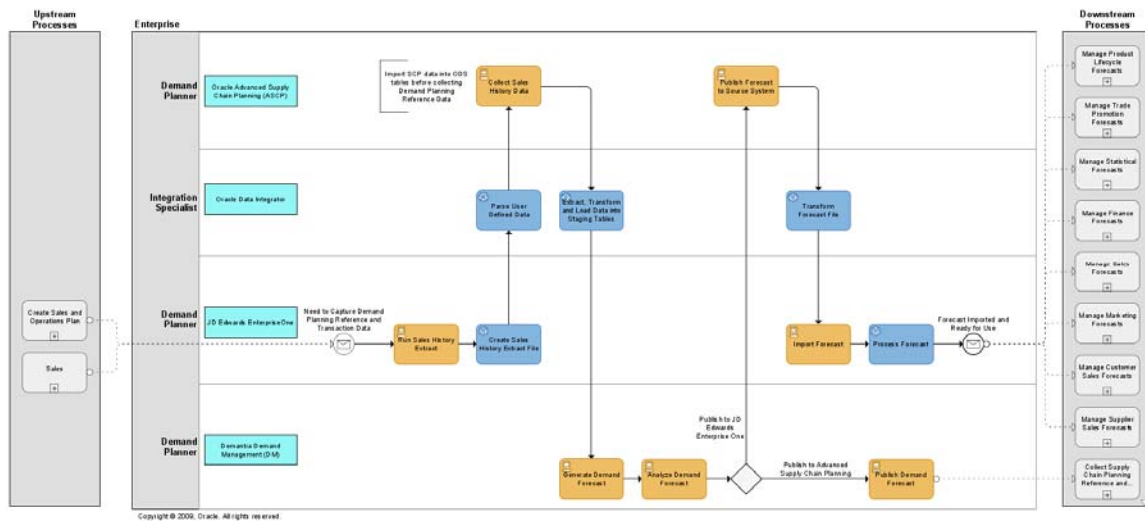


The following diagrams display intermediate business processes followed by detailed breakdowns of the specific PIP integration points.

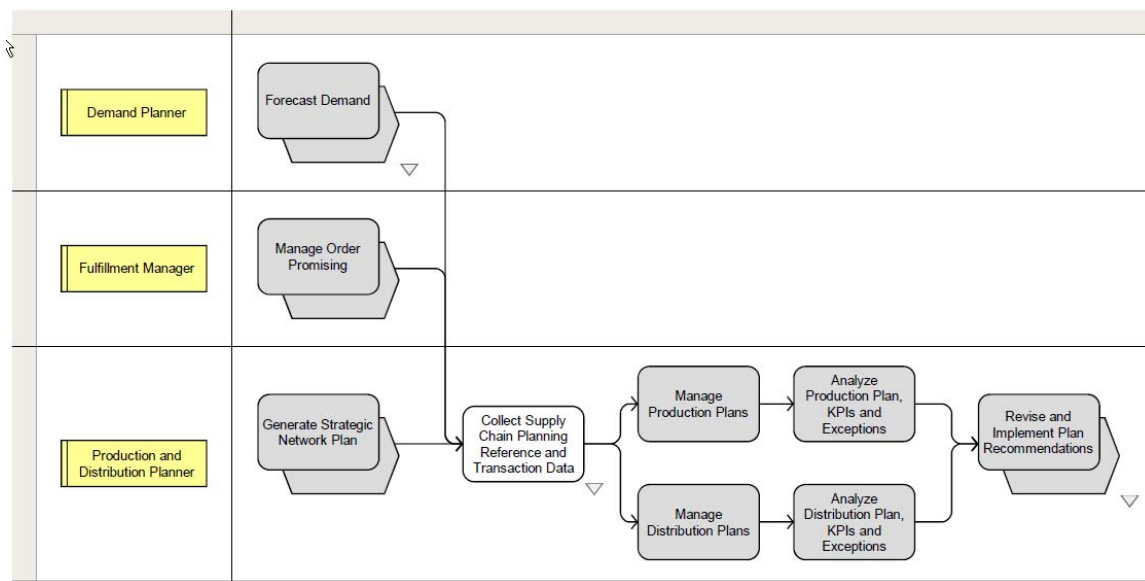
Forecast Demand



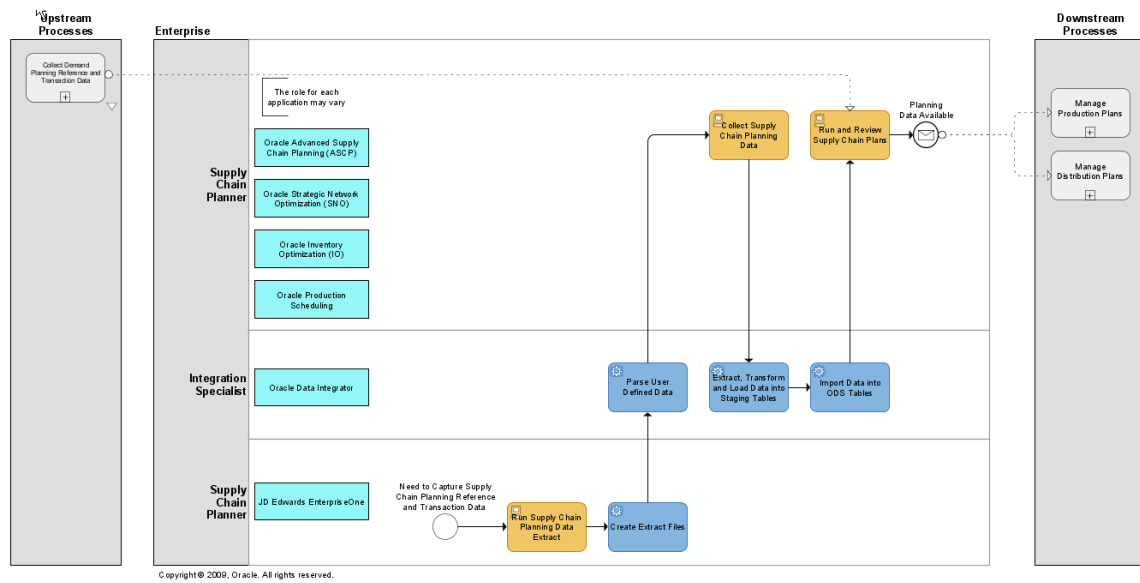
Collect Demand Planning Reference and Transaction Data



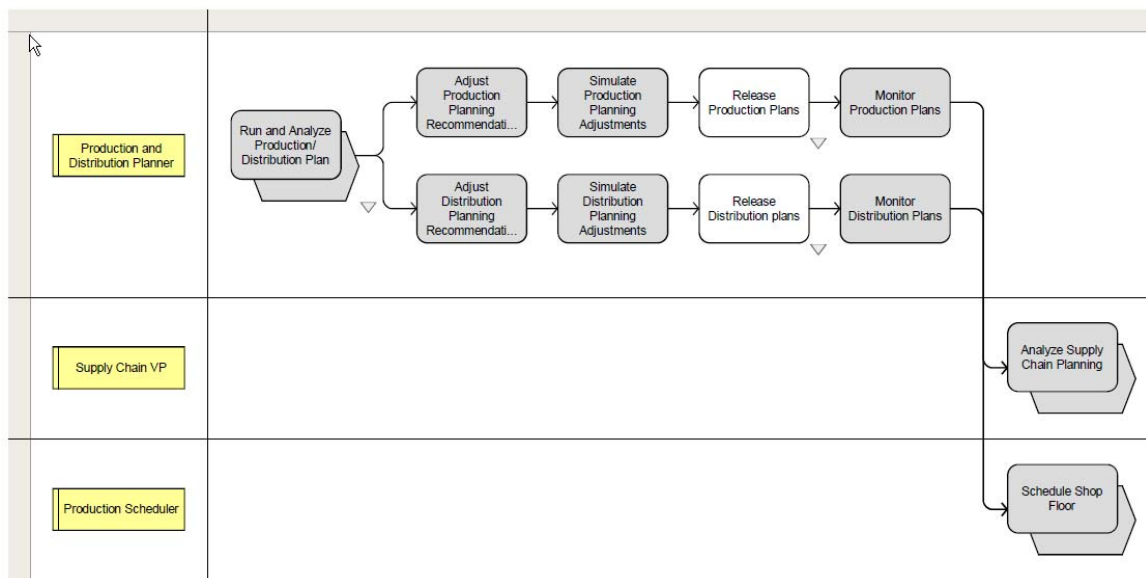
Run and Analyze Production/Distribution Plan



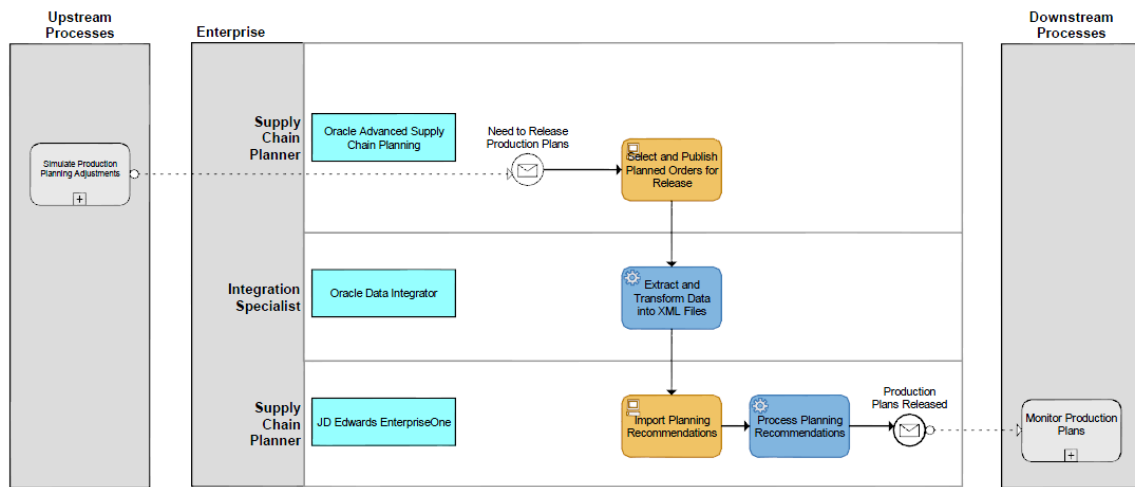
Collect Supply Chain Planning Reference and Transaction Data



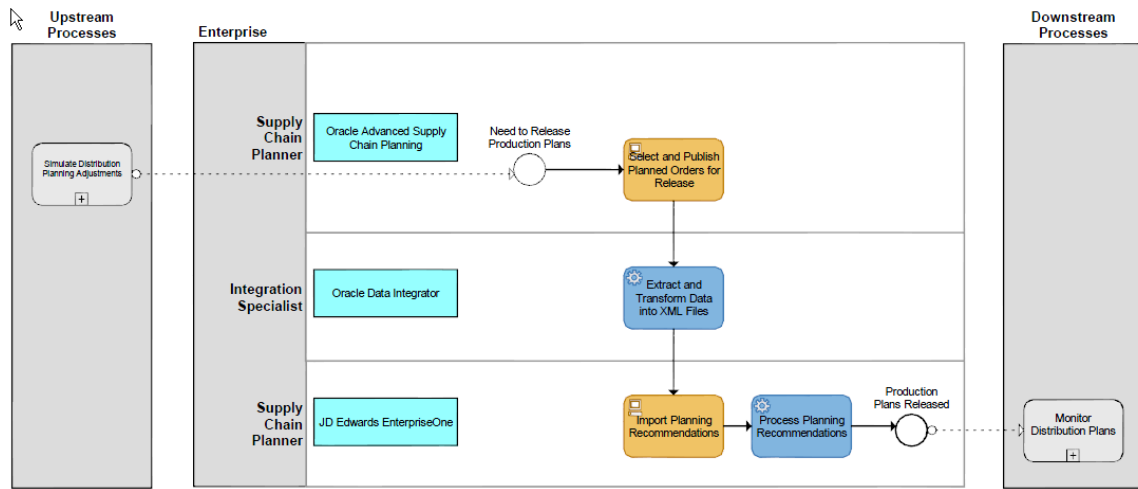
Revise and Implement Plan Recommendations



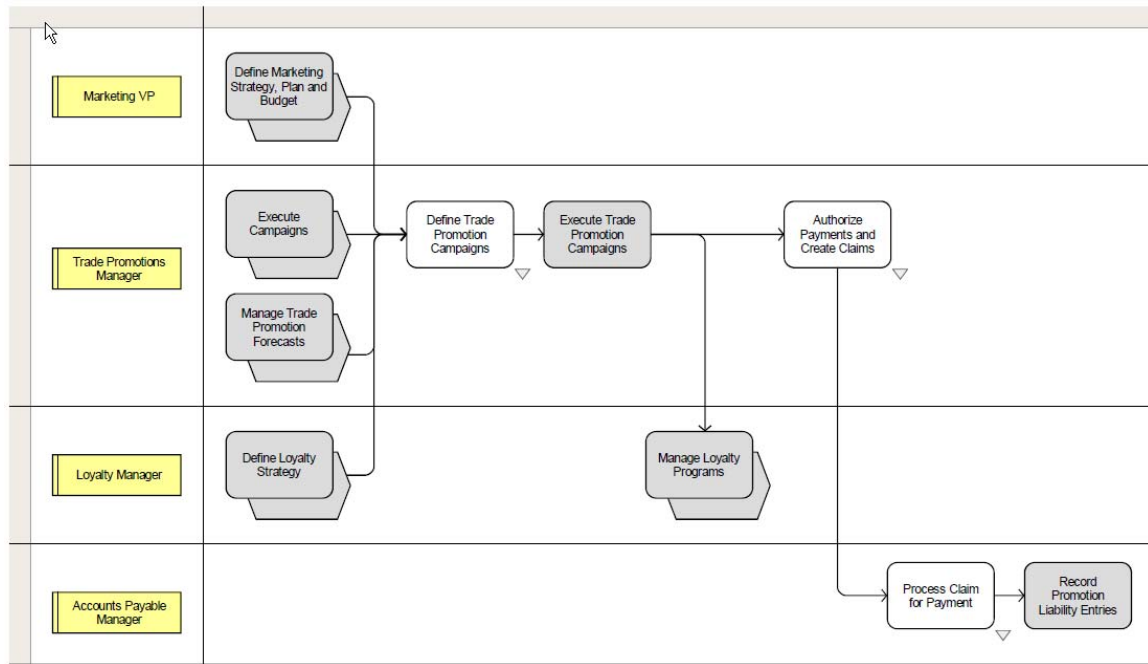
Release Production Plans



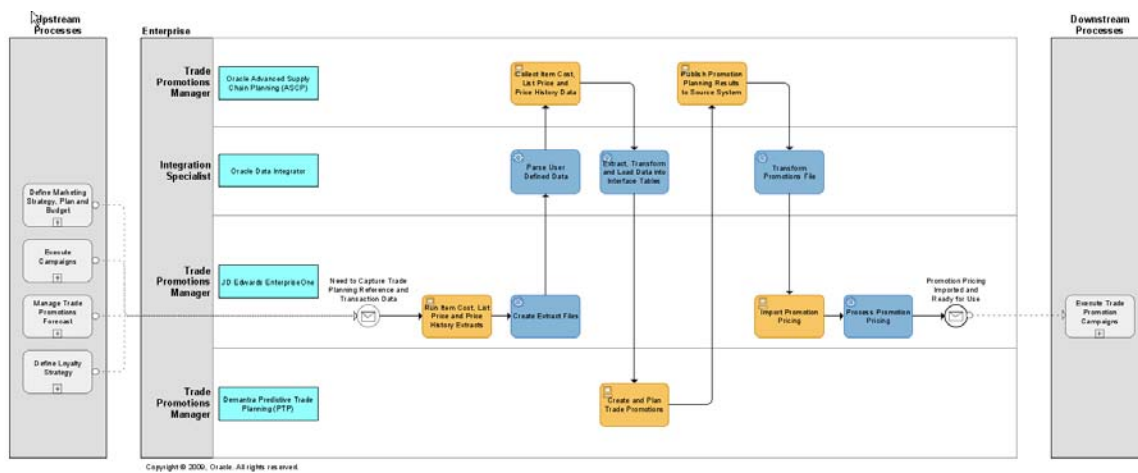
Release Distribution Plans



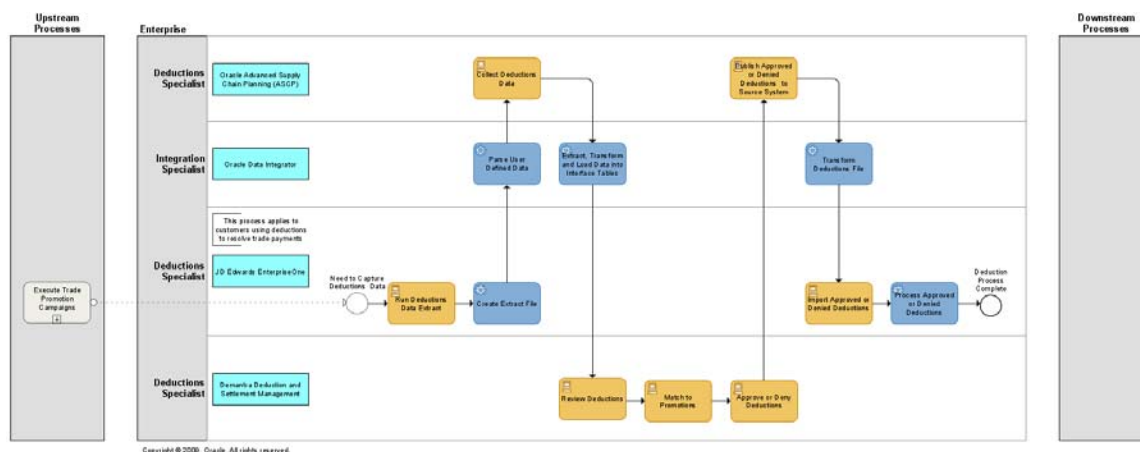
Manage Trade Promotions



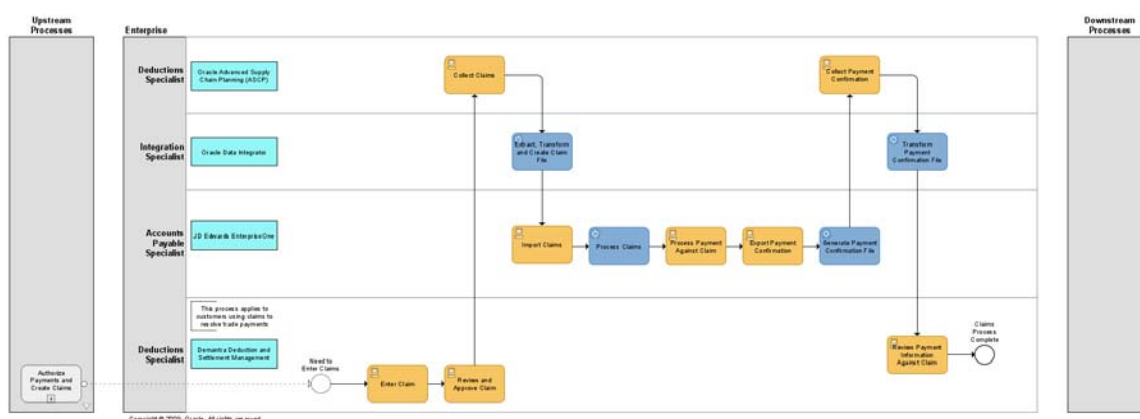
Define Trade Promotion Campaigns



Authorize Payments and Create Claims



Process Claim for Payment



Integration Restrictions

This section lists major restrictions to consider when implementing VCP to JDE E1 Integration. There are four types of restrictions:

- Limitations of data representation in JDE E1
- Limitations on data extracted from JDE E1 through UBEs
- Restrictions to the VCP Legacy Collections processes
- Modeling within VCP applications

Certain restrictions can be circumvented by adding user-defined extensions to standard components of legacy collections. User-defined extensions can augment a data model with additional data or transform the data model to reflect different requirements.

Note: Oracle does not support problems arising from user-defined extensions.

Infrastructure

For security purposes, you must configure the file transfer between the JDE E1 server and the planning solution.

For more information, see [Information Sharing Options](#).

Single sign-on across Value Chain Planning instances and JDE E1 ERP instances is not supported.

Supporting multiple JDE E1 instances requires user-defined extensions.

For more information, see [Multiple JDE E1 Instances](#).

The collection process (flat file to ODS database) must be completed for a single JDE E1 instance before running a collection process for another JDE E1 instance. The UBE output and input files must be processed as a single set for a particular instance before the next set for the next instance is processed.

Collections should not be run during the release and publish process.

When publishing planning results, the generated XML files must be transferred to the JDE E1 server before running another publish process.

Planning results must be imported into JDE E1 before running a publish for the same instance.

General

This integration focuses on discrete manufacturing. For process manufacturing, certain features can be used to support the integration. The integration does not support Configure-To-Order or project/Seiban manufacturing.

Individual packages can be loaded. However when you load a package that uses information from other packages, the related packages must also be extracted. For example: to load WorkOrders.xml, Manufacturing.xml must also be present.

Collaborative Planning is not enabled for VMI replenishment planning, but can be used for supplier collaboration on order forecast and supply commits against Oracle Advanced Supply Chain Planning.

Sourcing rules are not imported for this release. Sourcing rules can be defined on the planning server.

Multi-currency is not supported.

Partners defined as a carrier in JDE E1 setup are not collected.

JDE E1 date effective distribution costs are not collected and not used in Oracle ASCP Distribution Planning (DRP) plans.

Calendar Restrictions

Calendars should be loaded separately from all other entities.

When performing a collection of all entities, calendars should be loaded first.

When collecting other entities, calendar selection should be set to No.

Calendars must start on a Monday.

While loading Trading Partners, ensure Calendar_Overwrite_Flag is set to N in Parameters.txt file.

Each branch and organization loaded from JDE E1 into VCP must have a default calendar with a blank calendar name. The blank calendar name for each brand and organization must be present in Calendar.txt as part of the data extracted from JDE E1.

Demantra Demand Management

JDE E1-Demantra users should review the integration and ensure that the VCP to JDE E1 integration meets their forecasting requirements. Custom Hooks can be used to bridge gaps and load data into additional levels in Demantra beyond the standard levels supported in this integration.

For more information, see [Custom Hook Functionality](#).

This integration supports a single price list; STANDARD_PRICE. Additional price lists can be loaded using user-defined extensions in Demantra.

Regions and Zones (global forecasts) are not enabled for this release. Demands are modeled at the item-organization-customer level and support local forecasts.

Demantra Real-Time Sales and Operations Planning

The following series used by RTSOP are not populated with data in this integration:

- Actual Back log (required to generate Projected backlog)
- Past Due Backlog
- Actual on hand (used to measure performance to plan)
- Actual Production (used to measure performance to plan)

To load this data, develop extensions to extract, transform and load data into the Demantra interface (BIIO tables) tables used by the Demantra integration interface called SCI. Execute the Download SCI Data workflow to import this data into Demantra.

Projected Backlog

The Projected Backlog series, used in Actual Backlog, Shipment Forecast and Booking Forecast series, is not populated. Booking Forecast requires Booking History data, which is not available from JDE E1. This integration populates shipment history into the booking history series, which might not produce a useful Projected Backlog.

Supplier Capacity Data

Supplier Capacity is not populated in this integration. As an alternative, supplier capacity data can be set up directly on the VCP instance, or brought in using Collaborative Planning.

Fiscal Calendars

Fiscal calendars are not loaded as part of the Collect Planning Data program. As an alternative, fiscal calendars can be loaded into VCP ODS using the legacy flat-file collections. The time.dat file must be populated and loaded using the legacy flat-file collections program.

For more details on how to populate time.dat, refer to the OATemplate.html file, which is available in the OATemplate.exe file. This file can be downloaded from a VCP application using the Supply Chain Collaborative Administrator responsibility.

Advanced Supply Chain Planning

Supplier Capacities are not modeled in this integration. However, they can be defined on the VCP instance, or imported through Collaborative Planning.

Order Modifiers are not modeled in this integration. However, item order modifiers can be defined on the VCP instance by using Item Simulation Sets.

Firm Flag in ASCP is not published back to E1 for Purchase Orders and Transfer Orders.

Shrinkage against an item branch (item org) must be based on %:Percentage of order or requested quantity.

All resources in an operation are assumed to be simultaneous with the duration resource. The duration resource defines a common duration for all resources associated with that operation.

When an operation has alternate resource groups, all resources must be unique and a resource cannot be shared by several alternate resource groups.

You must define departments so that resources for an operation are not shared across departments. To handle this, define department as being at either the branch or work center level.

JDE E1 supports discrete and process manufacturing in the same branch (org). EBS can only support one manufacturing type for a branch (org).

An item or a resource cannot appear in an operation more than once.

When a JDE E1 work order has had material or activity recorded against it, the work order in its entirety becomes firm.

DRP: Load consolidation is supported only if inter-org shipping networks have been defined in E1. Transport Mode is not collected for some E1 configurations.

DRP: JDE E1 has the concept of sales orders and transport orders; transport orders are represented as Internal Sales Orders in VCP. Only sales order priorities are taken into consideration, not transport order priorities.

DRP: Transport orders, shipments from suppliers and shipments to customers have default shipment methods associated with them. Only the default ship method is collected.

Function	Supported
----------	-----------

Publish sales order updates to JDE E1 ERP	No
DRP: Shipping and receiving calendars	No
Work center calendars	No
Co-products and by-products	No
Engineering Change Orders	No
Planned Inventory Points	No
Sequence Dependent Setups	No
Hard links and contiguous operations	No
Routing Minimum Transfer Quantities	No
Lot or batch-based resources	No
Kits, phantom bills, and routings	No
Inventory on-hand reservations	No
Alternate bill of materials and routings	No
The shrinkage setting: F: Fixed amount to be added to quantity	No
Customer and supplier orgs	No
Complex network routings (EBS OSFM/OPM routing equivalent)	No
Purchase Requisitions in a Purchase Order extract	No
Lot Control and Lot Expiration	No
End item and component substitution	No
Firming at the operation level	No
DRP: Release of plan recommendations	No

Inventory Optimization

To use Inventory Optimization (IO), items considered by IO must have their MRP_SAFETY_STOCK_CODE changed from user-defined or non-MRP Planned to MRP Planned, using item mass maintenance.

Function	Supported
Component substitution	No
Alternate bill of materials and routings	No
Service levels	No
Time phased user-defined or target safety stocks	No
Customer and supplier orgs	No

Service levels can be defined on the VCP instance.

Time-phased user-defined or target safety stocks can be modeled directly on the VCP instance.

Production Scheduling

Production Scheduling can schedule both planned orders from ASCP and production work orders from JDE E1 ERP. ASCP must be used to release planned orders. Production Scheduling or ASCP can be used to release changes to production work orders.

All resources in an operation are assumed to be simultaneous with the duration resource. The duration resource defines a common duration for all resources associated with that operation.

Resources for a work order operation must adhere to a pre-defined resource template for an operation.

An item or a resource cannot appear in an operation more than once.

When a JDE E1 work order has had material or activity recorded against it, the work order in its entirety becomes firm.

Function	Supported
Alternate bill of materials and routings	No
Complex network routings (EBS OSFM/OPM routing equivalent)	No
Lot or batch based resources	No
Sequence Dependent Setups	No
Common resources across resource alternates within an operation	No
Hard links and contiguous operations	No
Firming at operation level	No

Strategic Network Optimization

Strategic Network Optimization does not consider JDE E1 Sales Orders as a source of demand.

Global Order Promising

Oracle Global Order Promising is not supported in this version of VCP to JDE E1 Integration, but could be supported in a future version.

Customers can not exist in multiple companies.

JDE E1 SCP Order Promising, using SCBM, is supported but needs transport mode on transfer orders. Depending upon the JDE E1 configuration, transport mode might not be available. If Transfer Orders are needed for order promising, a pre-script should be added to set the transport mode to a literal value, for example; TRUCK.

Service Parts Planning

Oracle Service Parts Planning (SPP) is not supported in this version of VCP to JDE E1 Integration. If you want to deploy SPP, you can leverage the SPP open interfaces for custom integration.

Demand Signal Repository

Oracle Demand Signal Repository (DSR) is a stand-alone product that is integrated with Oracle Demantra and can be leveraged by JD Edwards customers. For more information on how to integrate DSR, please consult the DSR documentation on [My Oracle Support](#).

Setting Up VCP to JDE E1 Integration

This chapter discusses the following topics:

- Prerequisites
- ODI directory structure
- Information sharing options
- Regenerating ODI scenarios
- Combining extracts and collections
- Multiple JDE E1 instances
- Creating user-maintained data
- User security

Prerequisites

Verify your software versions before installing and configuring this product to integrate with the following servers:

Server	Version
JD Edwards EnterpriseOne Server	JD Edwards EnterpriseOne Release 9.0
Integration Server	Oracle Data Integrator version 10.1.3.5.3
Planning Server	Oracle Value Chain Planning R12.1.1 or later
Forecasting Server	Oracle Demantra version 7.3.0

Setup Overview

The following steps are required to set up VCP to JDE E1 Integration.

1. Install JD Edwards EnterpriseOne Release 9.0.
2. Install Oracle Data Integrator version 10.1.3.5.3.
3. Install Oracle Value Chain Planning Release 12.1 or later.
4. Install Demantra version 7.3.0.
5. Install Oracle Value Chain Planning Integration to JD Edwards JD Edwards EnterpriseOne.

6. Configure JD Edwards EnterpriseOne application.
7. Configure Oracle Value Chain Planning.
8. Configure Oracle Data Integrator.
9. Configure Demantra.

ODI Directory Structure

VCP to JDE E1 Integration uses multiple applications, so files are often generated in one application and imported into another application. Files are written to different directories according to application. Each application has an input directory and an output directory. Input files are placed in the input directory according to application. Generated or extract files are placed in the output directory.

For example, files generated by JD Edwards EnterpriseOne extracts are written to the JDE E1 Output directory and files which are loaded into JD Edwards EnterpriseOne and stored in the JDE E1 Input directory.

JDE E1 Output Directory

Files extracted from JD Edwards EnterpriseOne and user-defined integration data files are written to the JDE E1 Output directory. ODI takes files from this directory, transforms them to the correct format if necessary, and loads the data into staging tables. In a shared directory environment, the ODI and JD Edwards EnterpriseOne server must be able to access this directory.

The files written to the JDE E1 Output directory are as follows:

File Name	Target Application	Source
Parameters.txt	APS staging tables	User-defined
TranslationTable.txt	APS staging tables	User-defined
ShiftInformation.txt	APS staging tables	User-defined
ShiftInformationDetails.txt	APS staging tables	User-defined
ResourceGroups.txt	APS staging tables	User-defined
ResourceGroupDetails.txt	APS staging tables	User-defined
ForecastDesignators.txt	APS staging tables	User-defined
SetupDefinitions.txt	APS staging tables	User-defined
SetupTransitions.txt	APS staging tables	User-defined
StandardOperationResources.txt	APS staging tables	User-defined
StandardUOMConversions.txt	APS staging tables	User-defined
Calendar.txt	APS staging tables	JDE E1 extract
Supplier.xml	APS staging tables	JDE E1 extract

Customer.xml	APS staging tables	JDE E1 extract
Base.xml	APS staging tables	JDE E1 extract
Manufacturing.xml	APS staging tables	JDE E1 extract
BeginningInventory.xml	APS staging tables	JDE E1 extract
Distribution.xml	APS staging tables	JDE E1 extract
PurchaseOrders.xml	APS staging tables	JDE E1 extract
WorkOrders.xml	APS staging tables	JDE E1 extract
SalesOrders.xml	APS staging tables	JDE E1 extract
TransferOrders.xml	APS staging tables	JDE E1 extract
TimeSeries.xml	APS staging tables	JDE E1 extract
SalesOrderHistory.txt	Demantra	JDE E1 extract
ListPrice.txt	Demantra	JDE E1 extract
ItemCost.txt	Demantra	JDE E1 extract
PriceHistory.txt	Demantra	JDE E1 extract
APConfirm.txt	Demantra	JDE E1 extract
Deductions.txt	Demantra	JDE E1 extract

The specific files used in this integration depends on the set of VCP applications you are using..

Note: Even if they are not used, all XML files in this table (depending on the implemented VCP applications), must be present in the JDE E1 Output Directory.

All unused XML files must be created with the same names as in the above table and must contain the following content:

```
<?xml version="1.0" encoding="UTF-8"?><scbm-extract version='3.0'>
</scbm-extract>
```

As an example, for a customer implementing only Demantra Demand Management, the integration uses only Base.xml and Customers.xml from the list of XML files. However, the other XML files such as PurchaseOrders.xml and WorkOrders.xml need to be created in the JDE E1 Output Directory.

JDE E1 Input Directory

Files imported into JD Edwards EnterpriseOne are written to the JDE E1 Input Directory. In a shared directory environment, the ODI and JD Edwards EnterpriseOne servers must be able to access this directory.

The files written to the JDE E1 Input directory are as follows:

File Name	Target Application	Extract Information
PurchasePlan.xml	JDE E1	APS extract
DeploymentPlan.xml	JDE E1	APS extract
DetailedProductionPlan.xml	JDE E1	APS extract
forecast.txt	JDE E1	Demantra (transformed file)
PromotionPricing.txt	JDE E1	Demantra (transformed file)
Delete_PromoPricing.txt	JDE E1	A copied file of a Demantra extract
DeductionDispositions.txt	JDE E1	A copied file of a Demantra extract
Claim.txt	JDE E1	A copied file of a Demantra extract

APS Input Directory

DemHistory.dat is the only flat-file written to the APS Input directory. ODI takes SalesOrderHistory.txt files from the JDE E1 Output directory, transforms the file to the correct format, and creates the DemHistory.dat file. In a shared directory environment the ODI and APS servers must be able to access this directory.

File Name	Target Application	Source
DemHistory.dat	Demantra	JDE E1 transformed file

Demantra Input Directory

Input files for Demantra, PTP, and DSM are written to the Demantra Input directory. ODI reads files from the JDE E1 Output directory, transforms them if necessary, and writes them in this directory. In a shared directory environment the ODI server and the Demantra database server must be able to access this directory.

The files stored in this directory are:

File Name	Target Application	Description
ListPrice.txt	Demantra	JDE E1 transformed file
PriceHistory.txt	Demantra	JDE E1 transformed file
ItemCost.txt	Demantra	JDE E1 transformed file
APConfirm.txt	Demantra	A copied file of an JDE E1 extract
Deductions.txt	Demantra	A copied file of an JDE E1 extract

Demantra Output Directory

Outbound files from Demantra are written to the Demantra Output directory. ODI transforms the files if necessary and stores them in the JDE E1 Input directory before they are imported into JD Edwards EnterpriseOne. In a shared directory environment the ODI server and the Demantra database server must be able to access this directory.

The files stored in this directory are:

File Name	Target Application	Description
forecast.txt	JDE E1	Demantra transformed file
PromotionPricing.txt	JDE E1	Demantra transformed file
Delete_PromoPricing.txt	JDE E1	A copied file of a Demantra extract
DeductionDispositions.txt	JDE E1	A copied file of a Demantra extract
claim.txt	JDE E1	A copied file of a Demantra extract

Mappings Between Directories and ODI Variables

The following table summarizes the mappings between directories and their associated ODI variables:

Directory	ODI Variable
E1InputDir	PVV_E1_INPUT_DIR
E1OutputDir	PVV_E1_OUTPUT_DIR
APSInputDir	PVV_APS_INPUT_DIR
APSOuputDir	PVV_APS_OUTPUT_DIR
Demantra Input Directory	PVV_DEM_INPUT_DIR
Demantra Output Directory	PVV_DEM_OUTPUT_DIR

Note: Directories must be manually created.

Information Sharing Options

There are two ways of configuring directories. Directories can be either:

- Shared
- Non-Shared

The use of shared directories is the optimal solution.

However, for security or server technology reasons it may not be possible to use shared directories.

Shared Directory Access

Shared directories, can also be referred to as a network shared drive or as a shared mount.

In the shared directory scenario, for each directory, both the reading and writing applications must have access to the directories but they do not need to be on any particular server. When directories are shared, they can be stored on the application servers or on an independent server. The shared directory must be read and write accessible to any server that needs to read or write files stored on the directory.

- JDE E1 and ODI servers need access to the JDE E1 Input (E1InputDir) and JDE E1 Output (E1OutputDir) directories
- APS and ODI servers need access to the APS Input (APSInputDir) and APS Output (APSOutputDir) directories
- Demantra database and ODI servers need access to the Demantra Input (DemInputDir) and Demantra Output (DemOutputDir) directories

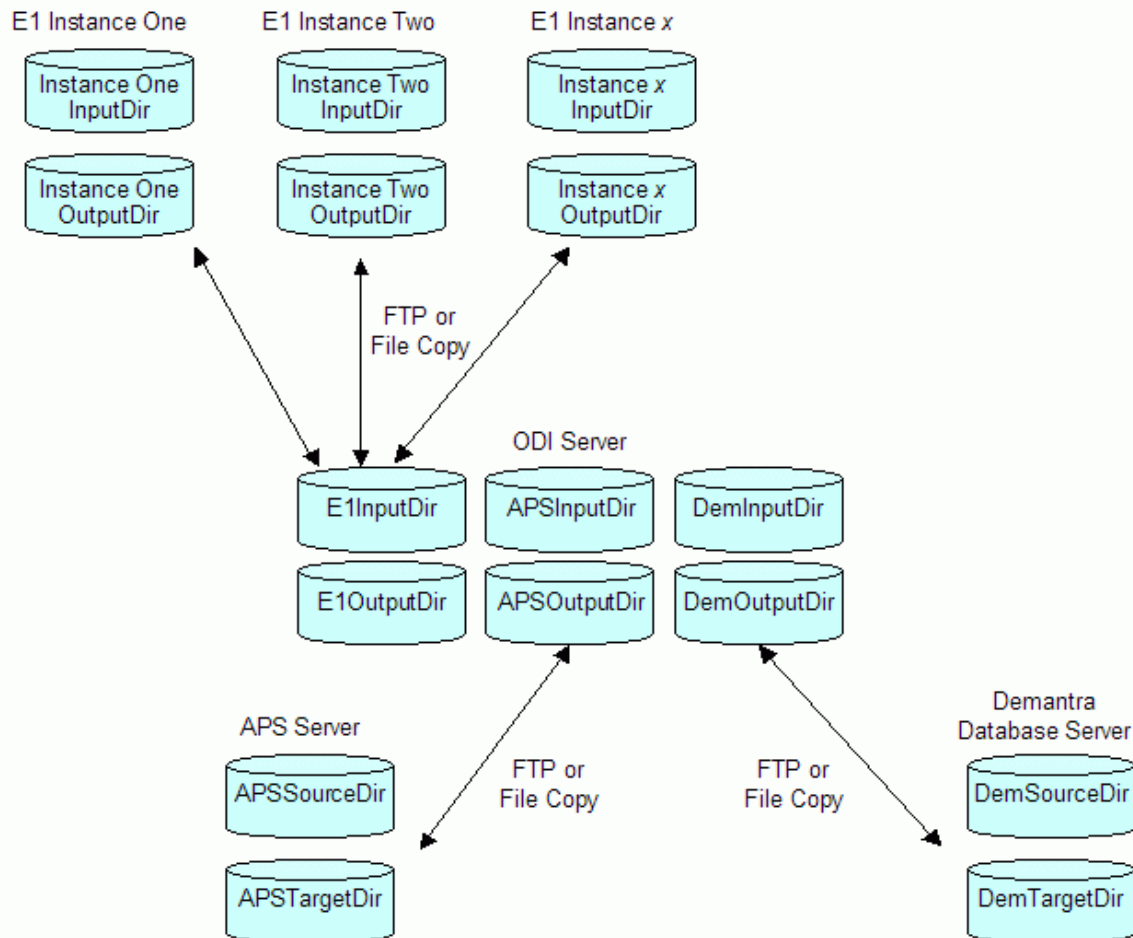
Note: DemInputDir and DemOutputDir must be configured in the Demantra database using the `data_load.setupSystemObjects()` script.

For more information, see [Setting Up Database Directories](#).

Non-Shared Directory Access

Security or hardware considerations may not allow for shared directories. In this case, the core directories described in the previous section must reside on the ODI server or at least be accessible by the ODI server. This integration does not provide out-of-the-box file transfer mechanisms between JDE E1 servers and the ODI server. FTP can be used to copy the files to and from other servers in the solution. The files can also be manually copied.

The following diagram summarizes the directory structures in a non-shared directory scenario:



In this solution, the directories on the application servers are paired with the six core directories on the ODI server.

In the case of multiple JDE E1 servers, each JDE E1 server has a pair of directories which equate to the E1InputDir and E1OutputDir directory pair on the ODI server.

The ODI package PREPROCESSHOOKPKG can be customized to do the JDE E1 to ODI FTP transfers.

For more information, see [Optional User-Defined Customizations](#).

Copying Files From ODI to APS and Demantra Servers

This PIP has pre-built scenarios that handle file transfers between ODI servers and the APS/Demantra servers.

To use the pre-built scenarios, you must define additional ODI variables which specify the directory location on the applications server.

The ODI variables and the associated FTP scenario names are as follows:

Directory	ODI Variable	Target Directory ODI Variable	FTP Scenario
E1InputDir	PVV_E1_INPUT_DIR	Not applicable, uses PreProcessHook extension	Not applicable, PreProcessHook extension is used
E1OutputDir	PVV_E1_OUTPUT_DIR	Not applicable, uses PostProcessHook extension	Not applicable, PostProcessHook extension is used
APSInputDir	PVV_APS_INPUT_DIR	PVV_APS_TARGET_DIR	IMPORTFILETOAPSSERVER
APSOuputDir	PVV_APS_OUTPUT_DIR	PVV_APS_SOURCE_DIR	<not used>
DemInputDir	PVV_DEM_INPUT_DIR	PVV_DEM_TARGET_DIR	IMPORTFILESTODEMANTRASERVER
DemOutputDir	PVV_DEM_OUTPUT_DIR	PVV_DEM_SOURCE_DIR	EXPORTFILESFROMDEMANTRASERVER

Note: In order to use the FTP Scenarios, you must set the PVV_APS_FTP_FLAG and the PVV_DEM_FTP_FLAG variables to Y.

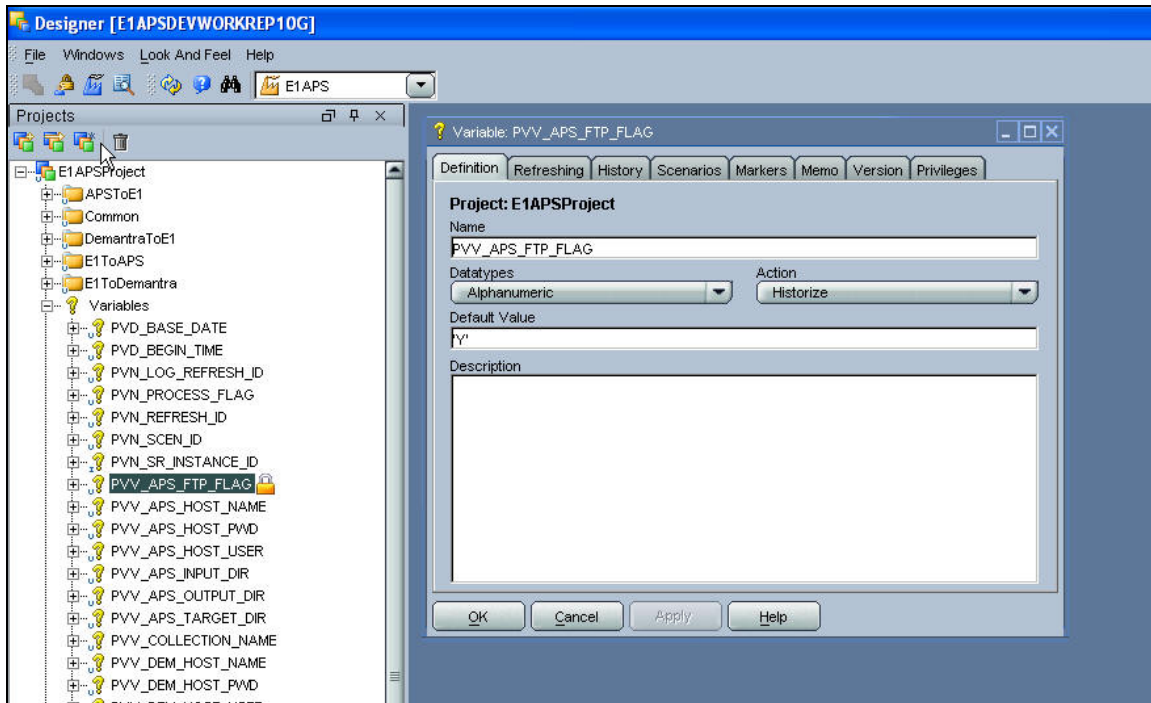
The six base ODI directories (E1InputDir, E1OutputDir, APSInputDir, APSOutputDir, DemOutputDir, DemInputDir) do not need to reside on the ODI server but they must be accessible to the ODI server.

Configuring ODI Variables

Follow these steps to configure ODI variables for a non-shared directory scenario.

To configure ODI Variables to enable FTP:

1. Open the ODI Designer by executing the following file:
 - For Windows: <ODI_Home>/oracledi/bin/designer.bat
 - For Linux: <ODI_Home>/oracledi/bin/designer.sh
2. Click Variables.



ODI Designer Variables Configuration

3. Select a variable and enter the appropriate information in the Default Value field.

FTP Activation Variables

To enable an FTP connection and use a remote server for staging, set the following variables:

Variable	Description
PVV_APS_FTP_FLAG	In the Default Value field, enter Y.
PVV_DEM_FTP_FLAG	In the Default Value field, enter Y.

APS FTP Variables

To enable an FTP connection and use a remote server for staging, set the following variables:

Variable	Description
PVV_APS_HOST_NAME	In the Default Value field, enter the APS server host' name.
PVV_APS_HOST_USER	In the Default Value field, enter the APS server user name.
PVV_APS_HOST_PWD	In the Default Value field, enter the APS server password.
PVV_APS_TARGET_DIR	In the Default, enter the target directory on the APS server.

Demantra FTP Variables

To enable an FTP connection and use a remote server for staging, set the following variables:

Variable	Description
PVV_DEM_HOST_NAME	In the Default Value field, enter the Demantra server host' name.
PVV_DEM_HOST_USER	In the Default Value field, enter the Demantra server user name.
PVV_DEM_HOST_PWD	In the Default Value field, enter the Demantra server password.
PVV_DEM_TARGET_DIR	In the Default, enter the target directory on the Demantra server.
PVV_DEM_SOURCE_DIR	In the Default, enter the source directory on the Demantra server.

Execution Log Variables

To have the execution log files sent to an e-mail address, set the following variables:

Variable	Description
PVV_MAIL_CC	In the Default Value field, enter the e-mail CC address.
PVV_MAIL_TO	In the Default Value field, enter the e-mail notification address.
PVV_MAIL_SERVER	In the Default Value field, enter the name of the e-mail server.
PVV_MAIL_SENDER	In the Default, e-mail address of the sender.

Regenerating ODI Scenarios

ODI scenarios must be regenerated after changing a variable.

To regenerate ODI scenarios:

Execute the following command:

- For Windows:

```
<PIP_HOME>\PIPS\Core\DIS\VCPJDE\maintenance\regenerate_all_scenarios
.bat
```

- For Linux:

```
<PIP_HOME>\PIPS\Core\DIS\VCPJDE\maintenance\regenerate_all_scenarios
.sh
```

Combining Extracts and Collections

There are two user extension methods you can use to perform both the extraction and collection processes with a single action.

- On the JDE E1 server, all JDE E1 UBEs support pre-process and post-process command scripts. For example, the post process script can be used to activate the collection process on the EBS server
- On the APS Server, all concurrent processes support pre-process and post-process ODI

packages and SQL hooks. For example, the pre-process can be used to call a runubxml extract script on the JDE E1 server.

As an example, consider the main JDE E1 extract and Legacy Planning Load. You could:

- Trigger the combined process from JD Edwards EnterpriseOne by following these steps:
 1. Create a remote script on the JDE E1 server that calls the VCP to JDE E1 Integration collections process on the VCP server.
 2. Call the script from the UBE post-process option.
- In this setup, every time you trigger the JDE E1 extract, the VCP to JDE E1 Integration collections process is automatically triggered when the extract finishes.
- Trigger the combined process from VCP JDE E1 Collections Menu by following these steps:
 1. Create a RUNUBEXML batch script to run the planning extracts on the JDE E1 server.
 2. On the VCP server, create a script to call the JDE E1 RUNUBEXML script remotely.
 3. Incorporate this script into the ODI pre-process script.
- In this case, trigger the collections load from within the VCP to JDE E1 Integration menu. Before running the collections process, the extracts on the JDE E1 server trigger automatically.

For more information, see [Optional User-Defined Customizations](#).

Multiple JDE E1 Instances

If there is a single JDE E1 server, the JDE E1 server can directly write to and read from E1InputDir and E1OutputDir; no further setup is required. This integration can also support multiple instances of JDE E1. There are two methods of running multiple JDE E1 instances:

Running in sequence

Setting up separate directories

Running in Sequence

Run the JDE E1 instances' extracts and collections in sequence. For a two-instance environment, the execution is as follows:

1. The JDE E1 Instance A extracts data to E1OutputDir
2. Legacy collections run for JDE E1 Instance A
3. JDE E1 Instance B extracts to E1OutputDir
4. Legacy collections run for JDE E1 Instance B

If you choose this method, keep in mind that the entire processing for Instance A, including collections, must be completed before Instance B can begin its extracts to ensure that there is no conflict.

The publish process accesses files extracted earlier in the planning process. Extracted files for the instance being published must be present in the JDE E1 extract directory

Setting Up Separate Directories

You can also set up separate directories where each JDE E1 instance writes its extracts from E1OutDir or reads its imports from E1InputDir.

For a two-instance environment, the execution is as follows:

1. Extracts on JDE E1 servers can be run in parallel.

- JDE E1 Instance One extracts to Instance One extract directory
- JDE E1 Instance Two extracts to Instance Two extract directory

2. Collections must be run in sequence:

- Copy the JDE E1 Instance One files to E1OutDir and run Legacy collections JDE E1 Instance Two
- Copy the JDE E1 Instance Two to E1OutDir and run Legacy collections for JDE E1 Instance Two

The advantage of this method is a shorter processing time. The disadvantage is that you need to set up multiple directories and perform different file copies.

This method also requires user-defined integration extensions to copy a JDE E1 instance's extracts to the common JDE E1 Output directory.

Creating User-Maintained Data

Populate the integration configuration data in the ERP systems.

To create user-maintained data:

Access the spreadsheet UserDefinedIntegrationData.xls.

1. Populate the worksheets.

For more information, see [User-Maintained Data](#) and [Appendix A: Parameters Table](#).

2. Using the Export Macro, export the user-defined data to the E1 Extract directory (E1OutputDir) on the ODI Server.
3. Configure the integration profiles

For more information, see [Configuring Oracle Demantra](#).

User Security

There is no user security synchronization between JD Edwards EnterpriseOne and Oracle Value Chain Planning Suite.

The JD Edwards EnterpriseOne users must be created in the Oracle Value Chain Planning suite and assigned the one or more of the following responsibilities:

- Advanced Supply Chain Planner (for both forecasting and planning functions)
- Demand Management System Administrator
- Advanced Planning Administrator

Single sign-on configuration is supported between Oracle Value Chain Planning suite and Oracle Demantra applications. Users created in Oracle Value Chain Planning suite can access the Oracle Demantra system without additionally logging in to Oracle Demantra.

For more details on configuring Single Sign On between Oracle EBS Value Chain Planning and Oracle Demantra, please refer to the Oracle Demantra Implementation guide.

Configuring Oracle APS

To facilitate the integration between Oracle Value Chain Planning applications and JD Edwards EnterpriseOne, certain one-time setup steps and configurations must be made to the Oracle EBS planning server. For more information, see the Oracle Advanced Supply Chain Planning Implementation Guide.

To set up the Oracle EBS planning server for this integration:

1. Log in with the Advanced Planning Administrator responsibility.
2. Create the Oracle APS Partition by completing the following steps:
 - a. Run the concurrent process Create APS Partitions
 - b. Set the plan partition count to 0
 - c. Set the instance count to 1
3. Create the Oracle APS Planning instance by completing the following steps:
 - d. Navigate to Admin, Instances
 - e. Set the instance type to Others
 - f. Ensure that the Enable ATP option is not selected

Note: Planners must be set up in Oracle EBS and given the appropriate permissions.

4. Set the following integration profile parameters:

Parameter	Default Value
MSC: E1 Concatenation Character	+

5. In the Parameters.txt file, set the Source_Instance parameter to the Oracle APS Planning instance you created.

For more information, see [User-Maintained Data](#).

6. Navigate to Application Developer, Flexfield, Descriptive, Segments.
7. Enable the descriptive flex field to have the collection name.
8. In the Application field, enter Advanced Supply Chain Planning and in the Title field, enter MSC_APPS_INSTANCES.

9. Click Segments.

10. In the Segments form, make the following entries:

Number	Name	Column
1	Collection Name	ATTRIBUTE15
11	Data Path	ATTRIBUTE13
12	Control File Path	ATTRIBUTE 12

11. Click Save.

12. Navigate to Admin, Instances.

13. In the Instances form, complete the following fields:

Field	Description
Collection Name	The name of the JD Edwards EnterpriseOne instance.
Data Path	<p>The directory on the server that hosts the APS application server, where the APS concurrent program locates the DemHistory.dat file.</p> <ul style="list-style-type: none"> In a shared directory configuration, this directory corresponds to APSInputDir. In a non-shared directory configuration, this directory corresponds to APSInputDir. <hr/> <p>Important: Ensure that files can be copied to this directory.</p> <hr/>
Control File Path	The directory on the server that hosts the APS application server. This directory contains the T_SRC_SALES_TMPL.ctl control file that loads DemHistory.dat. This is typically in APPL_TOP for msc in the sub-directory msc/12.0.0/patch/115/import .

14. Navigate to Advanced Supply Chain Planner, Collections, JD Edwards EnterpriseOne, Collect Planning Data.

15. Run the Collections program.

16. To view data in the Collections Workbench, select the category set collected from the JD Edwards EnterpriseOne system.

17. Click Save.

18. To retain released data, set the value of the MSC: Retain Released Data to Yes.

Configuring Oracle Demantra

The chapter discusses configuration steps that must be completed before using Oracle Demantra with this integration. The steps are as follows:

10. Set up database directories
11. Run concurrent programs
12. Update profiles
13. Add additional Demantra levels (optional)

Applying .pls Files

On the EBS Planning Server, complete the following steps:

1. Connect to the Demantra schema as the Oracle user specified during the install of Oracle Demantra.
2. Navigate to the \$MSD_TOP/patch/115/sql directory.
3. Manually apply the msddemcrdls.pls & msddemcrdlb.pls files on the Demantra schema.
4. Verify that no warnings or errors were created.

These files have the latest DATA_LOAD package.

Note: This task is for Demantra version 7.3.0.

Applying .sql Files

On the EBS Planning Server, complete the following steps:

1. Connect to the Demantra schema as the APPS user.
2. Navigate to the \$MSD_TOP/patch/115/sql directory.
3. Manually apply the msddemcrwf4.sql file on the Demantra schema.
4. Verify that no warnings or errors were created.

This file creates all the integration interfaces, data profiles, and workflows used in this integration.

Note: This task is for Demantra version 7.3.0.

Setting Up Database Directories

Important: The APS schema and the Demantra schema must reside on the same database instance.

In this integration, Demantra workflows look for inbound flat-files and generate outbound flat-files on the Demantra database server. Run the following script in the Demantra schema to indicate the location of these files on the database server:

```
begin
data_load.setupSystemObjects('V_PATH');
end;
/
exit
/
```

where `V_PATH` is the path where ODI files are stored.

- For inbound integration to Demantra, workflows pick up ODI transformed files from this location and loads them into Demantra.
- For outbound integration from Demantra, workflows extract data from Demantra and place the output flat-files in this location.
- Running this script creates three entries in the ALL_DIRECTORIES table in Oracle:
 - DAT_DIR: The location of the flat-files: For example: DAT_DIR = C:/E1 Files.
 - LOG_DIR: The location of the log files. For example: LOG_DIR = C:/E1 Files/log.
 - BAD_DIR: The location of bad files. For example, BAD_DIR = C:/E1 Files/bad.

Note: You must manually create the LOG_DIR and BAD_DIR directories and provide read and write access to the LOG_DIR, BAD_DIR, and DAT_DIR directories.

In a shared directory configuration, the DAT_DIR directory must be shared with the DemInputDir and DemOutputDir directories.

In a non-shared directory configuration, the DAT_DIR directory is basically the DemTargetDir (ODI Variable: PVV_DEM_TARGET_DIR) and DemSourceDir (ODI Variable: PVV_DEM_SOURCE_DIR).

Running Concurrent Programs for EBS to Demantra Integration

This section discusses running concurrent programs to initialize the EBS to Demantra integration. The first time you run the VCP-Demantra collections, follow these steps:

1. Run concurrent programs to initialize the EBS-Demantra integration by navigating to Demand Management System Administrator Responsibility, Other, Requests, Submit a New Request, Single Request.
2. Run the Update Synonyms concurrent request.
3. Run the Configure Legacy Profiles concurrent request.
4. Specify the instance code, master organization and the category set name.
5. Run the concurrent request Cleanup Entities in Use concurrent request.

It is not recommended to have multiple Demantra schemas on the same database instance.

The Master organization is a branch that contains all items and their category codes. It is used by planning or forecasting in every branch of a model.

For more information, see [Designating a Master Branch](#).

Updating Profiles

1. Navigate to System Administrator Responsibility, Profile, and System.
2. Set the MSD_DEM: Host URL profile option to the correct Demantra Application Server url.
3. If you are using Demantra 7.2, set the MSD_DEM: Include Dependent Demand profile option to No.
4. Set the MSC: E1 Concatenation Character profile option to the correct delimiter character in the generated flat files.

The default value is +.

Updating the Demantra Data Model

If you are using Demantra Predictive Trade Planning or Demantra Deductions and Settlement Designer, you must modify the data mapping for the Retailer level.

1. Open Demantra Business Modeler.
2. Navigate to Data Model, Open Data Model.
3. Select the data model DM/S&OP.
4. Click OK.
5. Click Next until you get to the Data Model Design form.
6. Click Site level and select the Ir2a level.
7. Click Ir2a_desc.

8. Change the field name from t_ep_lr2a to t_ep_lr2a_desc.
9. Click Next.
10. Click Build Model.

Important : Do not click Build New Model.

11. Click on Upgrade Existing Model
12. Click OK.

Oracle Demantra Hierarchies

This integration uses the EBS legacy collections framework to load sales history information into Oracle Demantra. The level hierarchies supported in this integration are a sub-set of the level hierarchies supported by the integration between an EBS ERP source and Demantra.

In the Item hierarchy, the following levels are supported for this integration:

- Item > Product Category > All
- Item > Product Family > All
- Demand Class > All

In the Location hierarchy, the following levels are supported for this integration:

- Site > Account > Customer > Customer Class
- Organization > Operating Unit
- Sales Channel > All
- Organization > Legal Entity

Note: Use the parameters.txt file to configure the data field that is mapped to the levels Product Category, Demand Class, Operating Unit and Sales Channel levels.

For more information, see [Appendix A: Parameters Table](#).

Adding Demantra Levels

VCP to JDE E1 Integration loads data into pre-seeded Demantra levels. JD Edwards EnterpriseOne category codes are mapped to pre-seeded levels defined in the Parameters worksheet in User Defined Integration Data.xls.

For more information, see [Creating User-Maintained Data](#)

Depending on your business needs, you might want to load additional category codes from JD Edwards EnterpriseOne into additional levels in Demantra.

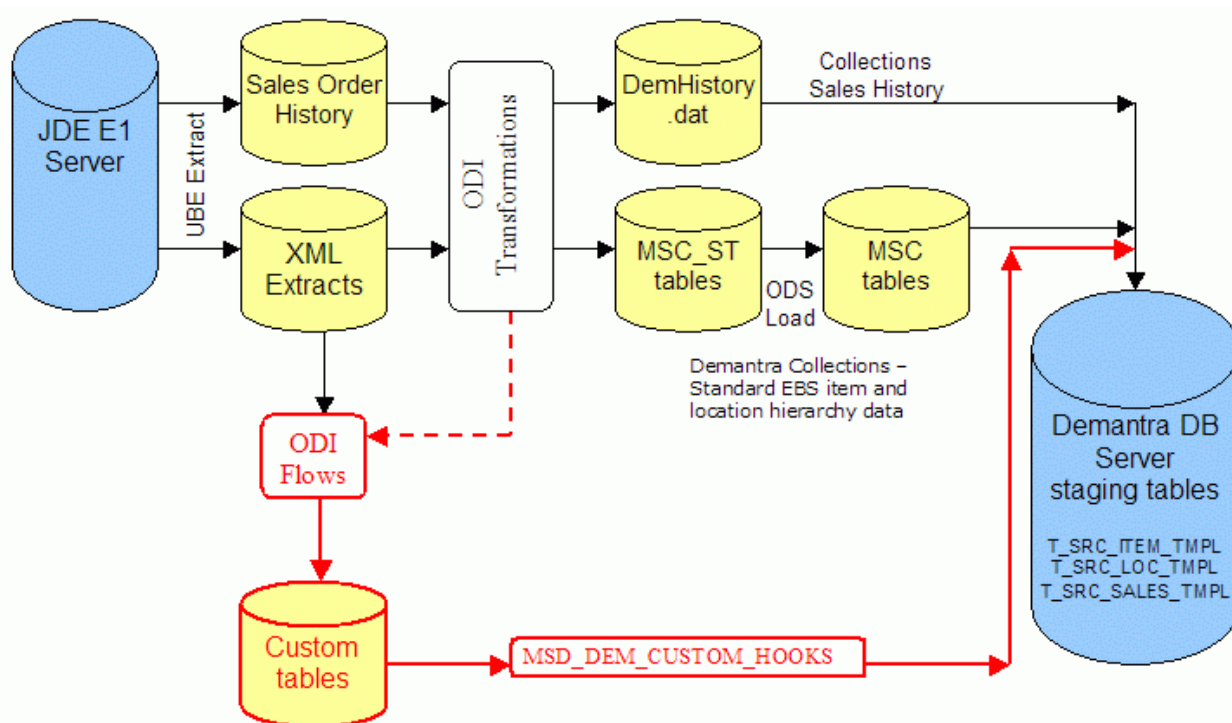
To load data additional levels:

1. Configure JD Edwards EnterpriseOne to extract the additional category codes into Customer.xml and Base.xml.
2. Extend ODI to load the additional category codes from the Customer.xml and Base.xml files into the custom tables.

Note: Extending ODI might require a design-time license for ODI. As an alternate approach, you can parse the XML files and populate custom tables using PL/SQL procedures. These custom procedures can be invoked from the post-process custom hook procedure (COL_PLAN_DATA_POST_PROCESS) called after Collect Planning Data.

3. Use Demantra's custom hooks functionality to load the additional category codes from the custom tables into Demantra.

The following diagram illustrates how custom hooks can be used to load additional category code data into Demantra. The color red indicates custom hooks.



Custom Hooks Flow

- Extensions to standard ODI mappings load additional JDE E1 category codes to custom

tables in the ODI flow.

- MSD_DEM_CUSTOM_HOOKS maps additional JDE E1 category codes to Demantra staging table columns.

Configuring JDE E1 to Extract Additional Category Codes

You can configure JDE E1 to extract additional category codes into Customer.xml and Base.xml. Integration Constants (P34A10) can be used to select category codes for JD Edwards EnterpriseOne extraction.

To select category codes for JDE E1 extraction:

1. Navigate to Form, Group Sets.
2. Select the Item Category codes, Customer Category codes and Branch Category codes.

The selected category codes are extracted into Base.xml for items and branches or into Customer.xml for Customers.

Extending ODI to Load Additional Category Codes

This integration populates standard ODI scenarios with specific category codes from JD Edwards EnterpriseOne into VCP ODS and then into Demantra. However, you can extend ODI to load additional category codes from Customer.xml into custom tables and Base.xml. To do this, ODI must be customized by defining a custom ODI scenario and invoking it in the POSTPROCESSHOOKPKG ODI package of the Collect Planning Data program.

To extend ODI to load additional category codes from customer.xml and base.xml:

1. Define a new interface object in ODI. This object uses the xml files from JD Edwards EnterpriseOne (Base.xml for item and branch and Customer.xml for customer) as the source data store and the custom table as the target data store.

You might need to define a separate interface with each of the custom tables as the target data store (one table for item category codes, one for branch category codes, and one for customer category codes).

2. Define a new ODI scenario and include the new interfaces in this custom scenario.

Invoke the custom ODI scenario in the POSTPROCESSHOOKPKG ODI package when the concurrent program Collect Planning Data is invoked.

For more information, see [Optional User-Defined Customizations](#).

Custom Hook Functionality

VCP to JDE E1 loads data into pre-seeded Demantra levels. You can use custom hooks to load data into from custom tables into additional Demantra levels. Custom hooks are invoked by the Collect Sales History concurrent program before the EBS Full Download workflow is launched. Data is then loaded from Demantra staging tables into Demantra base tables.

To use custom hook functionality to load data from custom tables into additional Demantra levels:

1. Add custom code to in the APPS.MSD_DEM_CUSTOM_HOOKS package.
2. Run the ITEM_HOOK, LOCATION_HOOK procedures.
 - Use the ITEM_HOOK procedure to load data for new item levels
 - Use the LOCATION_HOOK procedure to load data for new organization and customer levels

T_SRC_ITEM_TMPL Demantra Staging Table

Data for additional levels in the item hierarchy can be stored in the T_SRC_ITEM_TMPL Demantra staging table.

T_SRC_ITEM_TMPL has several placeholder columns such as E1_ITEM_CATEGORY_1 to E_ITEM_CATEGORY_23. These columns can be used to load data for new item hierarchy levels.

In the shipped settings, seven columns are mapped to placeholder levels such as Item Category Code 1 and Item Category Code 2. If you need to use more than seven levels, update the data model to map the columns in T_SRC_ITEM_TMPL to new levels.

T_SRC_LOC_TMPL Demantra Staging Table

Data for additional levels in the organization hierarchy can be stored in the T_SRC_LOC_TMPL Demantra staging table.

T_SRC_LOC_TMPL has several placeholder columns such as E1_BRANCH_CATEGORY_1 to E1_BRANCH_CATEGORY_30. These columns can be used to load data for new organization hierarchy levels.

In the shipped settings, five columns are mapped to placeholder levels such as Branch Category Code 1 and Branch Category Code 2. If you need to use more than five levels, update the data model to map the columns in T_SRC_LOC_TMPL to new levels.

The data for the additional levels in the organization hierarchy can be stored in the Demantra staging table T_SRC_LOC_TMPL. The data for the additional levels in the customer site hierarchy can be stored in T_SRC_LOC_TMPL.

Refreshing the Data Model

Each time new levels are added, you must refresh the data model to ensure that the new levels have been assigned to the correct relevant Demantra component (for example; Demand Management).

To refresh the data model:

1. Restart the Demantra application server.
2. Ensure that the new levels are visible in the aggregation level tab of the worksheet.

For legacy systems, there is no sales history hook for combination levels in T_SRC_SALES_TMPL. There is a HISTORY_HOOK procedure in MSD_DEM_CUSTOM_HOOKS, but it is not invoked during legacy sales history collection. If you need to update the T_SRC_SALES_TMPL table for combination levels, you can embed code in the ITEM_HOOK or LOCATION_HOOK procedures.

When you add columns to custom tables, it is suggested that you name the key columns similar to the following:

- DM_ITEM_CODE
- DM_SITE_CODE
- DM_ORG_CODE

Custom Hooks Examples

CustomTable = ITEM_HIERARCHY

This example describes how to add five additional levels to the item hierarchy. To load data into these additional levels, create a custom table in the Demantra schema, similar to the table below. Category codes for each item should be populated using dm_item_code as the key from the JD Edwards EnterpriseOne .xml extracts. Ensure that there are no duplicate records.

Column	Description
DM_ITEM_CODE	Item name
ITEM_CATEGORY_CODE1	New item hierarchy level 1
ITEM_CATEGORY_CODE2	New item hierarchy level 2
ITEM_CATEGORY_CODE3	New item hierarchy level 3
ITEM_CATEGORY_CODE4	New item hierarchy level 4
ITEM_CATEGORY_CODE5	New item hierarchy level 5

Custom Table = ORGANIZATION_HIERARCHY

This example describes how to add five additional levels to the organization hierarchy. To load data into these additional levels, create a custom table in the Demantra schema, similar to the table below. Category codes for each branch should be populated using dm_org_code as the key from the JD Edwards EnterpriseOne .xml extracts. Ensure that there are no duplicate records.

Column	Description
DM_ORG_CODE	Organization name
BRANCH_CATEGORY_CODE1	New org hierarchy level 1
BRANCH_CATEGORY_CODE2	New org hierarchy level 2
BRANCH_CATEGORY_CODE3	New org hierarchy level l3
BRANCH_CATEGORY_CODE4	New org hierarchy level 4
BRANCH_CATEGORY_CODE5	New org hierarchy level 5

CustomTable = SITE_HIERARCHY

This example describes how to add five additional levels to the customer site hierarchy. To load data into these additional levels, create a custom table in the Demantra schema, similar to the table below. Category codes for each customer site should be populated using dm_site_code as the key from the JD Edwards EnterpriseOne .xml extracts. Ensure that there are no duplicate records.

Column	Description
DM_SITE_CODE	Organization name
CUSTOMER_CATEGORY_CODE1	New site hierarchy level 1
CUSTOMER_CATEGORY_CODE2	New site hierarchy level 2
CUSTOMER_CATEGORY_CODE3	New site hierarchy level l3
CUSTOMER_CATEGORY_CODE4	New site hierarchy level 4
CUSTOMER_CATEGORY_CODE5	New site hierarchy level 5

Item Hook Procedure Pseudocode

Populate the item category codes from the custom table into the new item hierarchy level columns in the T_SRC_ITEM_TMPL table as follows:

```
Set  T_SRC_ITEM_TMPL. E1_ITEM_CATEGORY_1 =
ITEM_HIERARCHY.ITEM_CATEGORY_CODE1
```

```
T_SRC_ITEM_TMPL.DM_ITEM_CODE = ITEM_HIERARCHY.DM_ITEM_CODE
```

```
Set  T_SRC_ITEM_TMPL. E1_ITEM_CATEGORY_2 =
ITEM_HIERARCHY.ITEM_CATEGORY_CODE2
```

where

```
T_SRC_ITEM_TMPL.DM_ITEM_CODE = ITEM_HIERARCHY.DM_ITEM_CODE
```

and so on, for each of the five new item hierarchy levels.

Location Hook Procedure Pseudocode

Populate the branch and customer site category codes from the custom tables into the new organization and site hierarchy level columns in the T_SRC_LOC_TMPL table as follows:

For branch category codes:

```
Set  T_SRC_LOC_TMPL. E1_BRANCH_CATEGORY_1 =
ORGANIZATION_HIERARCHY.BRANCH_CATEGORY_CODE1
```

where

```
T_SRC_ITEM_TMPL.DM_ORG_CODE = ORGANIZATION_HIERARCHY.DM_ORG_CODE
```

```
Set  T_SRC_LOC_TMPL. E1_BRANCH_CATEGORY_2 =
ORGANIZATION_HIERARCHY.BRANCH_CATEGORY_CODE2
```

where

```
T_SRC_ITEM_TMPL.DM_ORG_CODE = ORGANIZATION_HIERARCHY.DM_ORG_CODE
```

and so on, for each of the five new organization hierarchy levels.

For customer site category codes:

```
Set  T_SRC_LOC_TMPL. E1_CUSTOMER_CATEGORY_1 =
SITE_HIERARCHY.CUSTOMER_CATEGORY_CODE1
```

where

```
T_SRC_ITEM_TMPL.DM_SITE_CODE = ORGANIZATION_HIERARCHY.DM_SITE_CODE
```

```
Set  T_SRC_LOC_TMPL. E1_CUSTOMER_CATEGORY_2 =
SITE_HIERARCHY.CUSTOMER_CATEGORY_CODE2
```

where

```
T_SRC_ITEM_TMPL.DM_SITE_CODE = ORGANIZATION_HIERARCHY.DM_SITE_CODE
```

After adding custom code, recompile and verify the package to check for warnings or errors.

Run the Collect Sales History concurrent program. You have the following options:

- Auto Download=No. This option populates the new level data into the staging tables of Demantra.
- Auto Download=Yes. This option populates the new level data into the staging tables and moves the data to the Demantra base tables.

Configuring JD Edwards EnterpriseOne

This chapter discusses how to:

- Set up the JDE E1 server
- Designate a master branch
- Set up customer and supplier calendars
- Set up units of measure
- Configure JD Edwards EnterpriseOne UBEs
- Create runubexml template files

Setting Up the JDE E1 Server

To facilitate the integration between Oracle Value Chain Planning applications and JDE E1, certain one-time setup steps and configurations must be made to the JDE E1 server.

To set up the JDE E1 server:

1. Apply the most recent electronic software updates to the XML extracts.
2. Configure the UBEs that are part of the integration.
3. Ensure that the extracted files are written to or read from the directory for in-bound and out-bound files.

The Universal Batch Engines (UBEs) associated with this integration are:

Function	Related JDE E1 UBEs
Extract and Collect Planning Data	R34A705 R34A710 (Base Items, Locs, UOM, etc)) R34A730 (Sales Orders) R34A740 (Beginning Inventory) R34A750 (Purchase Orders) R34A760 (Transfer Orders) R34A775 (Customers) R34A780/785 (Distribution) R34A810 (Suppliers) R34A915 (Work Orders)

	R34A925 (Manufacturing) R34A930/940 (Time Series for Forecast)
Publish Planning Results	R34A820 <ul style="list-style-type: none"> • R34A860 – (Enterprise Forecast) • R34A870 (Purchase Order Recommendations) • R34A880 (Transfer Order Recommendations) • R34A890 (Work Order Recommendations) • R34A900 (Create Work orders, part lists and operation routings)
Extract Sales History	R34A400 <ul style="list-style-type: none"> • R34A425 (Sales History ex Sales History)
Publish Forecast	R34A410 <ul style="list-style-type: none"> • R34A485 (Forecast)
Extract Predictive Trade Planning Data	R34A400 <ul style="list-style-type: none"> • R34A425 (Price History ex Sales History) • R41053 (Item Cost) • R45529 (List Price)
Publish Predictive Trade Planning	R34A410 <ul style="list-style-type: none"> • R45640 (Promotion Pricing to be imported) • R45640 (Delete Promotion Pricing)
Deduction Settlement Extract (Payment Requests)	R04110ZC <ul style="list-style-type: none"> • R04110ZC (Payment Confirmation)
Deduction Settlement Management – Import Claims	R04110ZB <ul style="list-style-type: none"> • R04110ZB(A) (Publish Claims)
Deduction Settlement Management-Import Deductions	R03B41Z2 <ul style="list-style-type: none"> • R03B4172 (Import Deduction

	Disposition)
Deduction Settlement Management (Deduction Extract)	R03B0209 <ul style="list-style-type: none"> R03B0209 (Extract Deductions)
Calendar Flat File	R34A610

4. Identify or create a master branch that contains all items and category codes.

The master branch does not need to be a functional branch.

5. Create customer and supplier calendars if required.

To use supplier and customer calendars in Oracle Value Chain Planning Suite, you must set up calendars with calendar types of customer and supplier.

6. Set up costing method 07.

On-site customization is needed for other costing methods.

Designating a Master Branch

The master branch is used as a source for common information across multiple branches. In some instances, information in JD Edwards EnterpriseOne is available at the item-branch level, but in VCP this information is at the item level. The master branch designates the values that are applied to the item level information in VCP.

The master branch does not need to be an operating branch, but it must contain all items (and their category codes) used by planning or forecasting in any branch of a model.

- The master branch ensures that item categorization is consistent between applications.
- The item to product category rollups in Demantra are determined from the master branch

Note: The master branch must be specified when running the concurrent Configure Legacy Profiles request.

Setting Up Customer and Supplier Calendars.

In JD Edwards EnterpriseOne, calendars are associated with customers, suppliers, branches, and work centers.

- For resources, only branch level calendars are used. Work center level calendars are not supported.
- Calendars for customers and suppliers are optional. However, if they are used, they must be set up in the master branch.

Setting Up Units of Measure

Oracle EBS uses the following units of measure classes:

- VOL
- WGT
- CNT

In JD Edwards EnterpriseOne, units of measure classes are not restricted. The User-Maintained Data spreadsheet can be used to specify the translation of units of measure from JD Edwards EnterpriseOne to Oracle EBS. The target values are:

- VOL
- WGT
- CNT

For more information, see [User-Maintained Data](#).

Assigning Customer Category Codes

You can use Integration Groups Setup (P34A40) to assign customer category codes for APS Customer Package (R34A775).

1. Use the P34A40 fast path to browse to the Integration Groups setup form in JDE E1.
2. Click the Customer Group Setup tab.
3. Select the appropriate Customer Category Code checkboxes.

In JDE E1, you can also use Integration Constants (P34A10) to navigate to the Integration Groups setup form.

1. Access the Customer Master (P03013).
2. Navigate to the Category Codes form exit.
3. Set up the appropriate category codes from 1 through 30.
4. Navigate to P34A10 and take the Group Sets form exit.
5. Enable the appropriate category for extraction to APS Customer Package (R34A775).
6. In the Category Codes form, enter the appropriate Customer Category Codes.

Configuring JDE E1 UBEs

Complete the following setup steps to generate the extracts from JD Edwards EnterpriseOne for this integration:

1. Set up planning file definitions.
2. Set up versions for the various outbound and inbound processors used in the integration and setup processing options for these processors.
3. Create runubxml template files using which the outbound and inbound processors can be executed via a batch script using the runubxml command.

Note: The outbound and inbound processors can either be executed from the JD Edwards EnterpriseOne user interface or using a batch command using the runubxml command.

For more information, see the *JD Edwards EnterpriseOne User's Guide*.

Setting Up Planning File Definitions

Planning file definitions specify the location of the files used by outbound and inbound processor programs. To set the planning file definitions, use the P34A11 program.

Running the P34A11 Program

Create a record in the P34A11 program for each file being extracted or imported. This file's key is used to specify the Extract File Definition against the UBE Processing Options.

Field	Description
Key	A code that identifies the file definition. If you have text in the corresponding File Definition field, this field cannot be blank.
File Definition	The name of the file, including the file's directory path.

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [Information Sharing Options](#).

Setting Up Outbound and Inbound Processor Versions

You must create versions of each of the outbound and inbound processor programs in JD Edwards EnterpriseOne and set up all relevant processing options. Processing options enable you to configure how files are extracted.

Outbound JDE E1 Processor Programs

The following processor programs are outbound from JD Edwards EnterpriseOne during the integration process:

Processor	Purpose
R34A705 R34A710 (Base Items, Locs, UOM, etc)) R34A730 (Sales Orders) R34A740 (Beginning Inventory) R34A750 (Purchase Orders) R34A760 (Transfer Orders) R34A775 (Customers) R34A780/785 (Distribution) R34A810 (Suppliers) R34A915 (Work Orders) R34A925 (Manufacturing) R34A930/940 (Time Series for Forecast)	Extract master data entities like items, customers, branches etc from JD Edwards EnterpriseOne along with other transactional entities like Purchase Orders, Sales orders, Work Orders, etc Both the Oracle APS suite and the Demantra suite use the master entities.
R34A400 <ul style="list-style-type: none"> R34A435 (Sales History ex Sales Orders) 	Extract SalesOrderHistory.txt and PriceHistory.txt from JD Edwards EnterpriseOne SalesOrderHistory.txt – Used by Demantra DM and PTP to drive history information in Demantra that generates forecasts. PriceHistory.txt – Used by Demantra PTP to capture the actual cost of promotions in Demantra.
R34A400 <ul style="list-style-type: none"> R41053 (Item Cost) R45529 (List Price) 	Extract ItemCost.txt and ListPrice.txt – Used by Demantra PTP List Price calculates profitability when planning future promotions. Item Cost calculates profitability when planning future promotions.
R03B0209 (Deductions)	Extract open deductions in JD Edwards

	EnterpriseOne via Deductions.txt - Used by Demantra DSM
R04110ZC (Payment Confirmations)	Extract payment confirmations from JD Edwards EnterpriseOne via APConfirm.txt – Used by Demantra DSM

Inbound JD Edwards EnterpriseOne Processor Programs

The following processor programs are inbound to JD Edwards EnterpriseOne during the integration process:

Processor	Purpose
R34A820 <ul style="list-style-type: none"> R34A860 (Forecast) R34A870 (Purchase Plan) R34A880 (Deployment Plan) R34A890 (Work order) R34A900 (Detail Production Plan) 	Process the files generated from ASCP that contain planning recommendations into JD Edwards EnterpriseOne.
R34A410 <ul style="list-style-type: none"> R34A485 	Used by Demantra DM Process forecast.txt containing forecast values from Demantra into JD Edwards EnterpriseOne
R34A410 <ul style="list-style-type: none"> R45640 (Promotion Pricing) 	Used by Demantra PTP Imports promotional pricing from Demantra via PromotionPricing.txt and Delete_PromoPricing.txt into JD Edwards EnterpriseOne.
R03B41Z2 (Publish Deduction Dispositions)	Used by Demantra DSM Imports approved and denied deductions from Demantra into JD Edwards EnterpriseOne using DeductionDispositions.txt
R04110ZB (Claims)	Used by Demantra DSM Process Claim.txt from Demantra into JD Edwards EnterpriseOne

Depending on the implemented Demantra modules, you must set up a version of the relevant processor program in JD Edwards EnterpriseOne using the fast path command BV. Once a version of the processor program is created, you can set processing options.

Creating Runubexml Template Files

To execute outbound and inbound processors from a batch script, you must create runubexml template files that are used with the runubexml command.

A runubexml template file must be created for each processor version required for the Oracle Demantra integration. UBE launch scripts call XML files to launch the appropriate processor and version.

Generating Runubexml Files

You can generate runubexml files based on the configuration of the outbound and inbound processors in your JD Edwards EnterpriseOne environment.

To generate runubexml files in an JD Edwards EnterpriseOne environment:

1. Set up file definitions for all files to be exported to or imported from JD Edwards EnterpriseOne.

Use the P34A11 program.

2. Set up versions of the outbound and inbound processors used in the integration.
3. Set up processing options for the versions of the processors.
4. Generate the runubexml file.

To generate an XML File:

1. From the command line on the JD Edwards EnterpriseOne server, change to the e1_system_bin32 folder.
2. Enter the following:

```
runubexml G CREATE_XML jdeRequest.xml
```

The jdeRequest.xml file is created in the same folder.

3. Open the jdeRequest.xml file and modify the following fields:

Field	Description
user	The JD Edwards EnterpriseOne user ID
pwd	The JD Edwards EnterpriseOne password
environment	The source JD Edwards EnterpriseOne environment
role	Your JD Edwards EnterpriseOne role
REPORT_NAME_VALUE	Specify the base processor, such as R34A400 for

	the Planning Outbound Processor or R34A410 for the Planning Inbound Processor.
REPORT_VERSION_VALUE	Enter the processor version

4. Save the changes to the `jdeRequest.xml` file.

5. At the command line, enter the following:

```
runubexml S jdeRequest.xml Processor_Version.XML
```

where *Processor* is either R34A400 (Planning Outbound Processor) or R34A410 (Planning Inbound Processor), and *Version* is the version you set up in JD Edwards EnterpriseOne.

The *Processor_Version.XML* file is generated in the `e1_system_bin32` folder. This file contains all the processing options, data selections, and report interconnects for the specified processor version.

Running the Runubexml Program

After you have created the `runubexml` program, you can call the `runubexml` file in a batch file using the following command (this example refers to R34A400 and a version called VCPDM:

```
runubexml S R34A400_VCPDMFULL.xml RESULT.xml
```

This command extracts sales history information from JD Edwards EnterpriseOne.

Setting Up the VCP Outbound Processor (R34A705)

This chapter discusses how to configure the VCP Outbound Processor (R34A705). It includes details about:

- R34A705 extract program
- R34A705 processing options

R34A705 Extract Program

The VCP Outbound Processor (R34A705) transfers XML extracts from JD Edwards EnterpriseOne to Supply Chain Planning. It is associated with the Inbound Processor (R34A810), which imports manufacturing work order, purchase order and transfer order messages, detailed production plans, and forecasts from Supply Chain Planning into JD Edwards EnterpriseOne.

Depending on the configuration of the VCP Outbound Processor, all or part of the data can be exported by the VCP Outbound Processor.

The following table lists the files extracted by R34A705:

Package	Program	Application	Description
Base.xml	R34A715	ASCP and Demantra	Items, Locations, Item-Branch relationships, Unit of Measures etc
BeginningInventory.xml	R34A740	ASCP	: Beginning Inventory
Customer.xml	R34A775	ASCP and Demantra	Customers, customer pricing and sourcing
Distribution.xml	R34A780 R34A785	ASCP	Distribution Lanes
Manufacturing.xml	R34A925	ASCP	Manufacturing Resources
PurchaseOrders.xml	R34A750	ASCP	Purchase Orders
SalesOrders.xml	R34A730	ASCP	Sales Orders
Supplier.xml	R34A810	ASCP	Suppliers
TimeSeries.xml	R34A930 R34A940	ASCP	Legacy forecast
TransferOrders.xml	R34A760	ASCP	Transfer Orders
WorkOrders.xml	R34A915	ASCP	Work Orders

Package	Program	Application	Description
Calendar.txt	R34A610	ASCP and Demantra	The JD Edwards EnterpriseOne calendar information flat file.

The following table lists the data retrieved by R34A705:

Outbound Transfer Batch	Data Retrieved
VCP Base Package (R34A715)	<p>This batch program retrieves information from:</p> <ul style="list-style-type: none"> • Address by Date (F0116) • Inventory Constants (F41001) • Item Branch File (F4102) • Item Cost File (F4105) • Item Location File (F41021) • ItemMaster table (F4101) • Item Units of Measure Conversion Factors (F41002) • LocationMaster (F4100) • Unit of Measure standard conversion (F41003)
VCP Beginning Inventory Package (R34A740)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • Item Location File (F41021) • Lot Master (F4108)
VCP Customer Package (R34A775)	<p>This batch program retrieves information from:</p> <ul style="list-style-type: none"> • Address BookMaster (F0101) • Address by Date (F0116) • Item Base Price File (F4106) • Item Cross Reference File (F4104) • Preference Profile - Inventory Sourcing (F40306)
VCP Distribution Package (R34A780/R34A785)	<p>Use this batch program to retrieves information from:</p> <ul style="list-style-type: none"> • Branch Relationships Master File (F3403) • Routing Entries (F4950) • User Defined Codes (F0005) • Routing Restrictions (F4952) • R34A785
VCP Manufacturing Package (R34A925)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • Routing Master File (F3003)

Outbound Transfer Batch	Data Retrieved
	<ul style="list-style-type: none"> • Bill of Material Master File (F3002) • F34A110 • F34A120
VCP Purchase Order Package (R34A750)	Use this batch program to retrieve information from the Purchase Order Detail File table (F4311).
VCP Sales Order Package (R34A730)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • Sales Order Detail File table (F4211) • Sales Order Header File table (F4201) <p>You can also specify a date in the processing options before which any sales orders with earlier promised dates are excluded from the extraction.</p>
VCP Supplier Package (R34A810)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • WO Supplemental Data Types (F48090) • Address Book Master (F0101) • Address By Date (F0116) • Item Branch (F4102)
TimeSeries Package	<p>Time Series (F3460)</p> <ul style="list-style-type: none"> • R34A930 • R34A940
VCP Transfer Order Package (R34A760)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • Purchase Order Detail File (F4311) • Sales Order Header File (F4201) • LotMaster (F4108)
Work Order Package (R34A915)	<p>Use this batch program to retrieve information from:</p> <ul style="list-style-type: none"> • Work Order Master File (F4801) • Work Order Routing (F3112) • Work Order Parts List (F3111) • Bill of Material Master File (F3002) • Work CenterMaster File (F30006)
OBDWCAL	<p>R34A610</p> <p>The JD Edwards EnterpriseOne calendar information flat file.</p>

Using the processing options associated with the VCP Outbound Processor or its extract programs, you can customize the extracts generated. For more finite customization, there are data selection options available.

Using JD Edwards EnterpriseOne versions, you can create different configured sets of outbound extracts that can be run at different times during the day to meet your requirements.

R34A705 Processing Options

There are two categories of processing options that can be set to generate the XML extracts. They are:

- VCP Outbound Processor processing options
- Extract program processing options

VCP Outbound Processor Processing Options

The VCP Outbound Processor processing options include general processing options that:

- Monitor the transmission of the extract files to ensure that data is not corrupted by more than one data transmission occurring at a time
- Define error logging
- Specify the extracts generated by JD Edwards EnterpriseOne
- Specify any external programs or scripts to be run when the selected extracts are prepared

R34A705 Extract Processing Options

These processing options are specific to the selected extract programs and provide some common customization and filtering options useful when integrating with Supply Chain Planning programs.

Note: No new processing options were deployed with this integration.

The following table lists processing options for standard integration. These options appear on tabs in the Processing Options window:

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [ODI Directory Structure](#).

Processing Option or Tab	Description
Process 1 Tab	<p>Processing options on this tab control batch processing.</p> <p>Note. Oracle recommends that you turn off process control only under certain conditions. For example, process control is not needed the first time that you run the batch associated with this control file.</p>
1. Control File Definition	<p>Use this processing option to specify the key value associated with the path and file name of the control file. When Process Control is enabled, the VCP Outbound Processor can determine whether the VCP Inbound Processor (R34A820) is finished importing, and whether the VCP Outbound Processor (R34A705) can start exporting.</p> <p>The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definition program (P34A11), which you access from the Supply Chain Planning & Scheduling menu (G34A).</p>
2. Process Control	<p>Use this processing option to indicate whether the VCP Outbound Processor (R34A705) checks that the VCP Inbound Processor (R34A820) has completed before running. Valid values are:</p> <p>Blank—Do not check that the VCP Inbound Processor (R34A820) has completed.</p> <p>1—Do check that the VCP Inbound Processor (R34A820) has completed.</p>
Process 2 Tab	Processing options on this tab control error handling and how the system processes external functions.
1. Recipient for error notification	<p>Use this processing option to specify the address book number of the person who receives messages from the VCP Outbound batch processing. These messages appear in the Personal Inbasket folder in the Supply Chain Management work center. If you leave this processing option blank, the system does not send a notification when errors occur.</p>
2. Error Log Definition	<p>Use this processing option to specify the key value that is associated with the path name of the error log that is created in the batch. The error log is a text file that contains batch status information and record counts. The same information appears on the standard report that is produced by this batch program. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain.</p> <p>Planning & Scheduling menu (G34A). If you leave this field blank, the system does not write the error log text file, but it still produces the standard report output.</p>

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out before any individual extract batch programs are run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out after any individual extract UBE programs are run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that sends data, runs an external program, or performs most command line processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
Base Tab	Processing options on this tab control the processing of the VCP Base Package program (R34A715), which extracts base information from the Location Master (F4100), Inventory Constants table (F41001), Item Master table (F4101), Unit of Measure standard conversion table (F41003), Item Units of Measure Conversion Factors table (F41002), Address by Date table (F0116), Item Location File table (F41021), Item Branch table (F4102), and Item Cost table (F4105); and transfers the information to an XML file.
1. Base Package Version (R34A715)	Use this processing option to specify the version of the VCP Base Package program (R34A715) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this option blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of this extract file. You must enter a key value in this field if you entered a version in the Base Package Version field. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definition program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately before this extract batch is run. The commands that are associated with this key can be used to run a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys in the Integration File Definition program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to run a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing.
Sales Order Tab	Processing options on this tab control the processing of the VCP Sales Order Package program (R34A730), which extracts sales order information from the Sales Order Header (F4201) and Sales Order Detail (F4211) tables; and transfers the information to an XML file.
1. Sales Order Package Version (R34A730)	Use this processing option to specify the version of the VCP Sales Order Package program (R34A730) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning menu (G34A).

Inventory Tab	Processing options on this tab control the processing of the VCP Beginning Inventory Package program (R34A740), which extracts inventory information from the Item Location File (F41021) and Lot Master (F4108) tables; and transfers the information to an XML file.
1.Beginning Inventory Package Version (R34A740)	Use this processing option to specify the version of the VCP Beginning Inventory Package program (R34A740) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning menu (G34A).
Purchase Orders Tab	Processing options on this tab control the processing of the VCP Purchase Order Package program (R34A750), which extracts purchase order information from the Purchase Order Detail table (F4311); and transfers the information to an XML file.
1. Purchase Order Package Version (R34A750)	Use this processing option to specify the version of the VCP Purchase Order Package program (R34A750) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.

2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning menu (G34A).
Transfer Order Tab	Processing options on this tab control the processing of the VCP Transfer Order Package program (R34A760), which extracts transfer order information from the Sales Order Header (F4201), Purchase Order Detail (F4311), and Lot Master (F4108); and transfers the information to an XML
1. Transfer Order Package Version (R34A760)	Use this processing option to specify the version of the VCP Transfer Order Package program (R34A760) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning & Scheduling menu (G34A).

4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning menu (G34A).
Customer Tab	Processing options on this tab control the processing of the VCP Customer Package program (R34A775), which extracts customer information from the Address Book Master table (F0101), Address by Date table (F0116), Item Cross Reference (F4104), Preference Profile - Inventory Sourcing table (F40306), Item Base Price table (F4106); and transfers the information to an XML file.
1. Customer Package Version (R34A775)	Use this processing option to specify the version of the VCP Customer Package program (R34A775) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this option blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of this extract file. You must enter a key value in this field if you entered a version in the Customer Extract Version field. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definition program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands which are carried out immediately before this extract batch is run. The commands that are associated with this key can be used to run a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys in the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands which are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to run a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing.

Distribution Tab	Processing options on this tab control the processing of the VCP Distribution Package program (R34A780), which extracts distribution information from the Branch Relationships (F3403), Routing Entries (F4950), User Defined Codes (F0005), and Routing Restrictions (F4952) tables; and transfers the information to an XML file.
1. Lane Definition	<p>Use this processing option to specify how to build the lane definitions. Valid values are:</p> <p>Blank-Lane definitions are created from the Transportation Routing table (F4950). The VCP Distribution Package (R34A780) is used.</p> <p>1-Lane definitions are created from the Branch Relationships table (F3403). The VCP Distribution - Branch Relationships Package (R34A785) is used.</p>
2. Distribution Package Version (R34A780) or Distribution Package - Branch Relationships Version (R34A785)	<p>Use this processing option to specify the version of the VCP Distribution Package program (R34A780) or VCP Distribution - Branch Relationships Package program (R34A785) to run in this batch. Data selection and processing options that are specific to this extract can be set on the VCP Distribution Package version (R34A780) or the VCP Distribution - Branch Relationships Package version (R34A785) entered in this field. If this processing option is left blank, the system does not run the VCP Distribution Package program (R34A780) or the VCP Distribution - Branch Relationships Package program (R34A785) in this batch.</p> <p>Note. This processing option should be used in conjunction with the Lane Definition processing option.</p>
3. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
4. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A).

5. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form by using the Supply Chain Planning menu (G34A).
Supplier Tab	Processing options on this tab control the processing of the VCP Supplier Package program (R34A810), which extracts supplier information from the Address Book Master (F0101) and Supplier Item Relationships (F43090) table and transfers the information to an XML file.
1. Supplier Package Version (R34A810)	Use this processing option to specify the version of the Supplier Package (R34A810) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry on the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that execute immediately before this extract batch is run. The commands associated with this key can be used to execute a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry on the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that execute immediately after this extract batch is run. The commands that are associated with this key can be used to execute a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry on the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning menu (G34A).
Work Orders Tab	Processing options on this tab control the processing of the VCP Work Order Package program (R34A915), which extracts work order information from the Work Order (F4801), Work Order Routing (F3112), Work Order Parts List (F3111), Bill of Materials (F3002), Last Outbound Work Order (F34A70), and Work Center File (F30006) tables and transfers the information to an XML file.

1. Work Order Package Version (R34A915)	Use this processing option to specify the version of the Work Order Package (R34A915) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning & Scheduling menu
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning menu (G34A).
Manufacturing Tab	Processing options on this tab control the processing of the VCP Manufacturing Package program (R34A925), which extracts manufacturing information from the Routing Master (F3003) and Bill of Material (F3002) tables; and transfers the information to an XML file.
1. Manufacturing Package Version (R34A925)	Use this processing option to specify the version of the VCP Manufacturing Package program (R34A925) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definition form from the Supply Chain Planning menu (G34A).
Time Series Tab	Processing options on this tab control the processing of the VCP Time Series program (R34A960), which extracts time series information from the F3460 table and transfers the information to an XML file.
1. Time Series (R34A930)	Use this processing option to specify the version of the Time Series Package (R34A930) that you want the system to run in this batch. You can use the version to select the data to be included in the extract. If you leave this field blank, the system does not run the extract in this batch.
2. Extract File Definition	Use this processing option to specify the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions program (P34A11) from the Supply Chain Planning & Scheduling menu (G34A). You must enter a key value in this field if you entered a version in the version processing option.
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately before this extract batch is run. The commands associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning & Scheduling menu
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this extract batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys on the Integration File Definitions form from the Supply Chain Planning menu (G34A).

For this integration, the SalesOrderHistory.xml extract is generated from the R34A705 extract.

R34A705 Sub-UBE Program Processing Options

This section provides information on processing options for the following R34A705 sub-UBE programs:

- Base Package (R34A715)
- Sales Order Package (R34A730)
- Inventory Package (R34A740)
- Purchase Order Package (R34A750)
- Transfer Order Package (R34A760)
- Customer Package (R34A775)
- Distribution Package (R34A780 or R34A785)
- Work Order Package (R34A915)
- Manufacturing Package (R34A925)
- Time Series Package (R34A930)
- Calendar Extract Package (R34A610)

Setting Base Package (R34A715) Processing Options

Processing Option	Description
1. Omit expired lots	<p>This processing option specifies whether or not lot expiration dates are considered when calculating on-hand inventory.</p> <p>For example, if you have 200 units of an item with an expiration date of August 31, 2010, and you need 200 units on September 1, 2010, the program does not recognize the expired lot and creates a message to order or manufacture more of the item to satisfy demand.</p> <p>Valid values are:</p> <p>Blank: Do not consider lot expiration dates when calculating on-hand inventory.</p> <p>1: Consider lot expiration dates when calculating on-hand inventory.</p>
2. Cost Type	<p>This processing option specifies the cost method to be used. Select the value from user-defined code 40/CM.</p>

Setting Sales Order Package (R34A730) Processing Options

Processing Option	Description
1. End Date	This processing option specifies the end date for the selection of sales orders to be included. Sales orders with a promised ship date after this date are not included.
2. Version of Supply/Demand Inclusion Rules	This processing option specifies the version of supply and demand inclusion rules used by the program. The rules define the criteria used to select items for processing.

Setting Inventory Package (R34A740) Processing Options

Processing Option	Description
1. Omit expired lots	<p>Use this processing option to specify whether the system considers lot expiration dates when calculating on-hand inventory. For example, if you have the quantity of 200 on-hand for an item with an expiration date of August 31, 2005, and you need 200 on September 1, 2005, the program does not recognize the expired lot and creates a message to order or manufacture more of the item to satisfy demand.</p> <p>Valid values are:</p> <p>Blank: Do not consider lot expiration dates when calculating on-hand inventory.</p> <p>1: Consider lot expiration dates when calculating on-hand inventory.</p>
2. Receipt Routing Quantities	<p>This option determines whether the stock is available for immediate use or in transit.</p> <p>Valid values are:</p> <p>Blank: Do not include in on-hand inventory. This ensures that quantities in transit are not included in the Beginning Available calculation on the time series.</p> <p>1: Include in on-hand inventory. These quantities are still considered available by the program.</p>
Quantity in transit	
Quantity in Inspection	<p>This option determines whether the stock is available for immediate use or if it is unavailable because it is being inspected.</p> <p>Valid values are:</p> <p>Blank: Do not include in on-hand inventory. This ensures that quantities being inspected are not included in the Beginning Available calculation on the time series.</p> <p>1: Include in on-hand inventory. These quantities are still considered available by the program.</p>

Quantity In Operation 1	<p>This processing option specifies whether or not User Defined Quantity 1 is considered part of the on-hand quantity. This quantity is defined in the Update Operation 1 field on the Receipt Routing Definition form. In a manufacturing environment, sometimes it is necessary to establish where stock is, in order to determine whether it is available for immediate use. Valid values are:</p> <p>Blank: The system displays the User Defined Quantity 1 for the appropriate date.</p> <p>1: The system includes the User Defined Quantity 1 in the on-hand inventory</p>
Quantity In Operation 2	<p>This processing option specifies whether User Defined Quantity 2 is considered part of the on-hand quantity. This quantity is defined in the Update Operation 2 field on the Receipt Routing Definition form. In a manufacturing environment, sometimes it is necessary to establish where stock is, in order to determine whether it is available for immediate use. Valid values are:</p> <p>Blank: The system displays the User Defined Quantity 2 for the appropriate date.</p> <p>1: The system includes the User Defined Quantity 2 in the on-hand inventory.</p>

Setting Purchase Order Package (R34A750) Processing Options

Processing Option	Description
1. End Date	This processing option specifies the ending date for the selection of purchase orders to be included. Purchase orders with a promised delivery date after this date are not included.
2. Version of Supply/Demand Inclusion Rules	This processing option defines the version of supply/demand inclusion rules that are read by the program. The rules define the criteria used to select items for processing.

Setting Transfer Order Package (R34A760) Processing Options

Processing Option	Description
1. End Date	This processing option specifies the ending date for the selection of purchase orders to be included. Purchase orders with a promised delivery date after this date are not included.

2. Version of Supply/Demand Inclusion Rules	This processing option defines the version of supply/demand inclusion rules that are read by the program. The rules define the criteria used to select items for processing.
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Setting Customer Package (R34A775) Processing Options

You do not need to set any processing options for R34A775. Create a version of the program as specified in the processing options of the R34A705 program.

Setting Distribution Package (R34A780 or R34A785) Processing Options

You do not need to set any processing options for R34A780 or R34A785. Create a version of these programs as specified in the processing options of the R34A705 program.

Setting Work Order Package (R34A915) Processing Options

You do not need to set any processing options for R34A810. Create a version of the program as specified in the processing options of the R34A705 program.

Option	Description
1. End Date	This processing option specifies the ending date for the selection of purchase orders to be included. Purchase orders with a promised delivery date after this date are not included.
2. Version of Supply/Demand Inclusion Rules	This processing option defines the version of supply/demand inclusion rules read by the program. The rules define the criteria used to select items for processing.
3. Convert Queue and Move Resource Units to Hours	<p>If you use resource units for queue and move fields, use this processing option to convert resource units to hours for use by VCP.</p> <p>Valid values are:</p> <p>1: Convert the queue and move resource units to hours per day.</p> <p>Blank: Do not convert. The queue and move hours are already represented in hours per day.</p>
4. Prohibit Change Status	This processing option specifies the work order status at which changes are no longer allowed. SCP cannot modify work orders with a status greater than or equal to this value.

Setting Manufacturing Package (R34A925) Processing Options

Processing Option	Description
1. Convert Queue and Move Resource Units to Hours	<p>If you use resource units for queue and move fields, use this processing option to convert resource units to hours for use by VCP.</p> <p>Valid values are:</p> <p>1: Convert the queue and move resource units to hours per day.</p> <p>Blank: Do not convert. The queue and move hours are already represented in hours per day.</p>

Setting Time Series Package (R34A930) Processing Options

Processing Option	Description
Process tab	This processing option extracts opportunities for the VCP Forecast Package.
1. Opportunities	<p>Valid values are:</p> <p>1: Time series records is extracted</p> <p>0: Time series records are not extracted.</p>
2. Forecasts	<p>This processing option extracts forecasts for the VCP Forecast Package.</p> <p>Valid values are:</p> <p>1: Time series records are extracted.</p> <p>0: Time series records are not extracted.</p>
3. Bucket Type	<p>This processing option specifies the length of period to group the opportunities and forecasts.</p> <p>Valid values are:</p> <p>M: Opportunities and forecasts are grouped into monthly buckets.</p> <p>W: Opportunities and forecasts are grouped into weekly buckets.</p>
4. Start Date	This processing option specifies the start date of the first opportunity and forecast. If this processing option is blank, the system date is used.
5. Count	This processing option specifies the number of periods to extract.
6. Probability	This processing option specifies the percent probability that raw opportunities must equal or exceed to be extracted.
Version tab	This processing option specifies the version of the VCP Outbound Forecast Package - Data Selection (R34A940), which extracts

1. VCP Outbound Forecast Package - F3460 Data Selection. (R34A940)	manufacturing forecast information from the Forecast (F3460) and ItemMaster (F4101) tables when CRM is not used. Note: There are no processing options to set for R34A940. However, you need to create a version of the program as specified in this processing option.
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Setting Calendar Extract Package (R34A610) Processing Options

You do not need to set any processing options for R34A610. Create a version of the program as specified in R34A705

Setting Up the VCP Inbound Processor (R34A820)

This chapter contains an overview of the VCP Inbound Processor (R34A820) and its sub-UBE program processing options.

R34A820 Extract Program

The VCP Inbound Processor (R34A820) transfers XML packages from Supply Chain Planning to JD Edwards EnterpriseOne. It is associated with the VCP Outbound Processor (R34A705), which exports JD Edwards EnterpriseOne supply chain management data to Supply Chain Planning.

Depending on the configuration of the VCP Inbound Processor, all or part of the data listed can be exported by the VCP Inbound Processor:

- Detailed production plans
- Forecasts
- Purchase order messages
- Transfer order messages

This table identifies the data that is retrieved by using each of the import programs:

Inbound Transfer Batches	Data Retrieved
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VCP Inbound Detailed Production Plan Package (R34A900)	<p>Use this batch program to import detailed production plans from VCP that contain scheduled routings, operations, resources, and the consumed and produced items. Upon receipt, JD Edwards EnterpriseOne creates, updates, or cancels related manufacturing execution transactions, work order headers, parts list, and routing instructions based on the recommended optimized production plan from VCP. Resource assignments per routing instruction from the production plan are also persisted within JD Edwards EnterpriseOne. The following tables are updated:</p> <ul style="list-style-type: none"> • Work Order Master File (F4801) • Work Order Master Tag File (F4801T) • Work Order Parts List (F3111) • Work Order Routing (F3112) • Work Order Routing Resource (F34A150) • Item Location File (F41021) <p>Use a processing option to specify the default work order type, a reason code for fixed work orders, and the version of the Manufacturing Work</p>
VCP Inbound Forecasts Package (R34A860)	<p>Use this batch program to import forecasting information created by SCP Demand Management into the Forecast File table (F3460) after the data is formatted by VCP.</p> <p>Use a processing option to specify the default forecast type if the forecast type is not included in the record. Before it adds new forecasts, the VCP Inbound Forecasts Package program deletes from the Forecasts table any existing forecasts that are within the specified date range, which is determined by the fiscal date pattern. The first and last records in the file establish the date range, and all records are deleted</p>
VCP Inbound Purchase Order Messages (R34A870)	<p>Use this batch program to import purchase order messages from VCP into the MPS/MRP/DRP Message File table (F3411). The system then processes the purchase order messages and updates the Purchase Order Detail File table (F4311).</p> <p>Use a processing option to specify the default purchase order type. Before it adds new messages, this program deletes from the MPS/MRP/DRP Message File table (F3411) any existing messages for the specified item, branch and order type.</p>

Using the processing options associated with the VCP Inbound Processor or its import programs, you can customize the messages and extracts generated. For more finite customization, there are data selection options available.

Using JD Edwards EnterpriseOne versions, you can create different configured sets of inbound extracts that can be run at different times during the day to meet your requirements.

R34A820 Processing Options

The R34A820 program processes the files that contain planning recommendations generated from Oracle Advanced Supply Chain Planning into JD Edwards EnterpriseOne.

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [ODI Directory Structure](#).

There are three categories of processing options that can be set to import the XML extracts. They are:

- VCP Inbound Processor processing options
- Import program processing options
- JD Edwards EnterpriseOne program processing options

The VCP Inbound Processor Processing Options

The VCP Inbound Processor processing options include general processing options that:

- Monitor the transmission of the extract files to ensure that data is not corrupted by more than one data transmission occurring at a time
- Define error logging
- Specify the extracts to be imported by JD Edwards EnterpriseOne
- Specify any external programs or scripts to be run when the selected extracts are imported

The Import Program Processing Options

These processing options are specific to the selected import programs and provide some common customization and filtering options useful when integrating with Supply Chain Planning programs.

JD Edwards EnterpriseOne Program Processing Options

These processing options are specific to the JD Edwards EnterpriseOne manufacturing programs and provide some common customization and filtering options required when importing detailed production plans from Supply Chain Planning.

This table lists the processing options for the VCP Inbound Processor program (R34A820):

Processing Option or Tab	Description
Process 1 Tab	Processing options on this tab control batch processing. Note. Oracle recommends that you turn off batch control only under certain conditions. For example, batch control is not needed the first time that you run the batch associated with this control file.
1. Control File Definition	Use this processing option to specify the key value that is associated with the path name of the Supply Chain Management inbound control file. This processing option is required. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definition program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
2. Process Control	This processing option causes the VCP Outbound Processor (R34A705) to check that the VCP Inbound Processor (R34A820) has completed before running. Valid values are: Blank—Do not check that the VCP Inbound Processor (R34A820) has completed. 1—Do check that the VCP Inbound Processor (R34A820) has
Process 2 Tab	Processing options on this tab control error handling and processing of external functions.
1. Recipient for Error Notification	Use this processing option to identify the address book number of the person who receives messages during batch processing. These messages appear in the Personal Inbasket folder in the Supply Chain Management work center. If you leave this field blank, the system does not send a notification when errors occur.
2. Error Log Definition	Use this processing option to specify the key value that is associated with the path name of the error log that is created in the batch. If you leave this field blank, the system does not write the error log text file, but it still produces the standard report output. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A). The error log is a text file that contains batch status information and record counts. The same information appears on the standard report that is produced by this batch program.

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out before any individual import batch programs are run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out after any individual import batch programs are run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that sends data, runs an external program, or performs most command line processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
Process 3 Tab	Processing options on this tab control processing of the MRP/MPS Detail Message Revisions (R3411) and VCP Work Order Cancel (R34A895) programs.
1. MRP/MPS Detail Message Processing Version (R3411)	Use this processing option to specify the version of the Message Processing (R3411) that you want the system to run in this batch. The system processes only messages in the MRP/MPS/DRP Message File table (F3411) that were imported from VCP. If you leave this field blank, message processing will not be run.
2. VCP Inbound Work Order Cancel Version (R34A895)	Use this processing option to specify the version of the VCP Inbound Work Order Cancel (R34A895) that you want the system to run in this batch, following the import of the VCP Inbound Work Order Messages (R34A890). Processing options that are specific to this import program can be set on the VCP Inbound Work Order Cancel program (R34A895). If you leave this field blank, the VCP Inbound Work Order Cancel (R34A895) will not be run.
Forecasts Tab	Processing options on this tab control the processing of the VCP Inbound Forecasts Package program (R34A860).
1. Forecast Import Version (R34A860). If left blank, the import will not run.	Use this processing option to specify the version of the VCP Inbound Forecasts Package program (R34A860) that you want the system to run in this batch. This program populates the Forecast table (F3460) with forecast information from Supply Chain Planning. You can set processing options that are specific to this import program on the Forecasts Import version (R34A860), which you enter in this field. If you leave this field blank, the system does not run the import in this batch.

2. Import File Definition	Use this processing option to specify the key value that is associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately before this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
Purchase Order Messages Tab	Processing options on the Purchase Order Messages tab control the processing of the VCP Inbound Purchase Order Messages program (R34A870). Use this batch program to import purchase order messages from VCP into the MPS/MRP/DRP Message File table (F3411). The system then processes the purchase order messages and updates the Purchase Order Detail table (F4311).
1. Purchase Order Messages Import Version (R34A870). If left blank, the import will not run.	Use this processing option to specify the version of the VCP Inbound Purchase Order Messages program (R34A870) that you want the system to run in this batch. This program populates the MRP/MPS/DRP Message File (F3411) table with purchase order message information passed in from VCP. If you leave this field blank, the system does not run the import in this batch.

2. Import File Definition	Use this processing option to specify the key value that is associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately before this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
Transfer Order Messages Tab	Processing options on the Transfer Order Messages tab control the processing of the VCP Inbound Transfer Order Messages program (R34A880). Use this batch program to import transfer order messages from VCP into the MPS/MRP/DRP Message File table (F3411). The system then processes the transfer order messages and updates the Purchase Order Details table (F4311).
1. Transfer Order Messages Import Version (R34A880). If left blank, the import will not run.	Use this processing option to specify the version of the VCP Inbound Transfer Order Messages program (R34A880) that you want the system to run in this batch. This program populates the MRP/MPS/DRP Message File (F3411) table with transfer order message information passed in from VCP. If you leave this field blank, the system does not run the import in this batch.
2. Import File Definition	Use this processing option to specify the key value that is associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately before this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
Detailed Production Plan Tab	Processing options on the Detailed Production Plan tab control the processing of the VCP Inbound Detailed Production Plan program (R34A900). Use this batch program to import detailed production plan messages from VCP into: <ul style="list-style-type: none"> • Work Order Master File (F4801) • Work Order Master Tag File (F4801T) • Work Order Parts List (F3111) • Work Order Routing (F3112) • Work Order Routing Resource (F34A150) • Item Location File (F41021)
1. Production Plan Import Version (R34A900). If left blank, the import will not run.	Use this processing option to specify the version of the VCP Inbound Detailed Production Plan program (R34A900) that you want the system to use to run this batch. If you leave this field blank, the system does not run the import in this batch.
2. Import File Definition	Use this processing option to specify the key value that is associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).

3. External Function Definition (Beginning of Processing)	Use this processing option to specify the key value that is associated with external commands, which are carried out immediately before this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).
4. External Function Definition (End of Processing)	Use this processing option to specify the key value that is associated with external commands that are carried out immediately after this import batch is run. The commands that are associated with this key can be used to carry out a script (for example, an FTP script) that retrieves data, runs an external program, or performs most command line-type processing. The key value must be a valid entry in the Integration File Definition table (F34A11). You can enter path names and keys using the Integration File Definitions program (P34A11) on the Supply Chain Planning & Scheduling menu (G34A).

R34A820 Sub-UBE Program Processing Options

This section provides information on sub-UBE programs called from the main outbound process program, R34A820.

Setting Inbound Purchase Order Messages (R34A870) Processing Options

Processing Option	Description
1. Purchase Order Type	This processing option specifies the order type used for new purchase orders. If blank, OP is used as the default order type.

Setting Inbound Transfer Order Messages (R34A880) Processing Options

Processing Option	Description
1. Transfer Order Type	This processing option specifies the order type used for new transfer orders. If blank, OT is used as the default order type.

Setting Inbound Forecasts (R34A860) Processing Options

In addition to the forecast processing options in the VCP Inbound Processor (R34A820), you must also set processing options for the VCP Inbound Forecasts Package program (R34A860). This table lists the VCP Inbound Forecasts Package processing options:

Processing Option	Description
Default Forecast Type	Use this processing option to specify the default forecast type to use when adding new forecasts. Select a forecast type from the UDC table 34/DF. If this processing option is left blank, BF is used.
Fiscal Date Pattern	A code that identifies date patterns. You can use one of 15 codes. You must set up special codes (letters A through N) for 4-4-5, 13-period accounting, or any other date pattern unique to your environment. An R, the default, identifies a regular calendar pattern.

Setting Inbound Detailed Production Plan (R34A900) Processing Options

Processing Option	Description
Process tab 1. Work Order Type	This processing option specifies the order type used for creating new work orders. If blank, WO is used as the default order type.
2. Display Reason Code	This processing option displays a code that explains why the work orders are fixed and not processed or changed during the inbound detailed production plan run. Enter 1 to display the code. If this processing option is blank, no reason is displayed.
3. Work Order Entry Version (P48013)	This processing option specifies a version of the Manufacturing Work Order Processing program (P48013) to be used by the VCP Inbound Detailed Production Plan Package program (R34A900). If this processing option is blank, version ZJDE0001 is used.

Setting Manufacturing Work Order (P48013) Processing Options

You must set processing options for Manufacturing Work Order Processing (P48013). This table lists the processing options available for Manufacturing Work Order Processing (P48013):

Processing Option or tab	Description
<i>Defaults Tab</i>	The processing options on the Defaults tab are used to set up the version of Manufacturing Work Order Processing (P48013) that is used by the VCP Inbound Processor program (R34A820).

Document Type	Use this processing option to specify the type of XML document that is imported by Manufacturing Work Order Processing (P48013). The default value is WO for work order.
Opt Defaults Tab	The processing options on the Opt Defaults tab are used to define the work order header for new work orders.
Work Order Type	Use this processing option to specify the work order type that you want the system to use for new work orders. The default is S for service order. Use M to specify a maintenance order.
Work Order Priority	Use this processing option to specify the work order priority. The default is 1.
Beginning Status	Use this processing option to specify a valid status that determines the statuses at which new work orders are created. Work order statuses are determined by the Inbound Detailed Production Plan package (R34A900).
Charge to Business Unit	Use this processing option to specify the business unit that the new work order is charged to. Specify 1 to use the project number. Leave the option blank to use the branch or plant.
Cross Reference Code	Use this processing option to specify a cross-reference code for the new work order.
Validating Tab	The processing options on the Validating tab are used to recalculate parts list and routing information and validate the existing item or branch record.
Item/Branch Plant	Do not set this processing option. The item or branch record is validated when the Inbound Detailed Production Plan package (R34A900) is processed.
Disp Options Tab	The processing options on the Disp Options tab determine whether the Bill of Material field and Routing Type fields are displayed. Bill of Material field and Routing Type fields are displayed.
Bill of Material Field	Use this processing option to display the Bill of Material field. A value of 1 displays this field. Leave this field blank if you do not want the field displayed.
Routing Type Field	Use this processing option to display the Routing Type field. A value of 1 displays this field. Leave this field blank if you do not want the field displayed.
Versions Tab	The processing options on the Versions tab specify the versions of the Routing (P3112) and Parts List (P3111) applications.

Routing (P3112)	Use this processing option to specify a version of the Work Order Routing program (P3112) to be used by the VCP Inbound Detailed Production Plan Package program (R34A900). If left blank, version ZJDE0001 is used. When you select a version, review the version's processing options to ensure that the version meets your requirements.
Parts List (P3111)	Use this processing option to specify a version of the Work Order Parts List program (P3111) to be used by the VCP Inbound Detailed Production Plan Package program (R34A900). If this processing option is left blank, version ZJDE0001 is used. When you select a version, review the version's processing options to ensure that the version meets your requirements.
Process Mfg Tab	The processing option on the Process Mfg tab enables or disables the creation of co-products and by-products.
Co- and By-Products	Do not set this processing option. By leaving the field blank, you specify that no co-products and by-products are created.
Interop Tab	The processing option on the Interop tab determines the transaction type that is used.

Setting Work Order Parts List (P3111) Processing Options

In addition to setting the processing options for Manufacturing Work Order Processing (P48013), you need to set up processing options for the Work Order Parts List program (P3111). This table lists the processing options available for the Work Order Parts List program (P3111):

Processing Option or Tab	Description
Edits Tab	The processing options on the Edits tab control the processing of any changes to the parts list and component selection.
Process Tab	The processing options on the Process tab control the processing of parts lists.
Commitment Processing	Use this processing option to specify how commitments are processed. Enter 1 if you want Order Promising (R3410) to process commitments. Leave the field blank if you want commitments to be processed during the inbound process.
Process Tab	The processing option on the Process tab determines the operation sequence number to use.

Setting Work Order Routing (P3112) Processing Options

In addition to setting the processing options for Manufacturing Work Order Processing (P48013), you need to set up processing options for the Work Order Routing program (P3112). This table lists the processing options available for the Work Order Routing program (P3112):

Processing Option or Tab	Description
Edits Tab	The processing options on the Edits tab control the processing of any changes to the parts list and component selection.
Parts List at Prior Revision Levels	Do not set this processing option.
Select Components for Parts List	Do not set this processing option.
Process Tab	The processing options on the Process tab control the processing of parts lists.
Routings	Do not set this processing option.
Substitute Processing Method	Do not set this processing option.
Commitment Processing	Use this processing option to specify how commitments are processed. Enter 1 if you want Order Promising (R3410) to process commitments. Leave the field blank if you want commitments to be processed during the inbound
Component Generic Text	Do not set this processing option.
Process Tab	The processing option on the Process tab determines the operation sequence number to use.
Phantom Operation Sequence Number	Do not set this processing option.

Setting Order Processing (R31410) Processing Options

In addition to setting the processing options for Manufacturing Work Order Processing (P48013), you need to set up processing options for Order Processing (R31410). This table lists the processing options available for Order Processing (R31410):

Processing Option or Tab	Description
Process Tab	The processing options on the Process tab control the behavior of work order routings.
Generate Parts List and Routing Instructions	Do not set this processing option.
Update Parts List and Routing Instructions	Use this processing option to update the existing parts list and routing instructions. Enter 1 in this field.
Printing 1 Tab	The processing options on the Printing 1 tab control the printing of work orders, parts lists, and parts list details.
Parts Lists	Use this processing option to print a parts list. Enter 1 in this field.

Demantra Extracts

This chapter provides details on extracts required for integration with the following Demantra applications:

- Demantra Demand Management
- Demantra Predictive Trade Planning
- Demantra Deductions and Settlement Management

Extracts Required for Integration with Demantra Demand Management

The Demantra integration uses the R34A705 extracts to load master entities such as customers, items, and branches into the Operational Data Store. These master entities are downloaded to Demantra by running the Collect Sales History program.

Setting Inbound and Outbound Processor Options

Demantra uses sales history information to generate forecasts. Sales history information is required for all Demantra Demand Management or Demantra Predictive Trade Planning customers.

Setting Supply Chain Planning Outbound Processor (R34A400) Options

Option	Description
Process 1 tab Control File Definition - JD Edwards EnterpriseOne	This processing option specifies the key value that is associated with the path name of the outbound control file. This processing option is required. The key value can be defined using the Planning File Definition program (P34A11).
Process 2 tab Error Log Definition	This processing option specifies the key value that is associated with the path name of the error log that is created in the batch. The error log is a text file containing batch status information and record counts. The key value can be defined using the Planning File Definition program (P34A11).
Sales History tab	This processing option specifies the version of SCP Sales History Extract (R34A425) to run. The SCP Sales History Extract program

History Extract Version- Sales History Table(F42119) (R34A425)	<p>selects information from the Sales Order History table (F42119). If blank, the extract is not run.</p> <p>Set up the sub-UBE program for the specified version.</p>
History Extract Version - Sales Detail Table (F4211) (R34A435)	<p>This processing option specifies the version of SCP F4211 Sales History Extract (R34A435) to run. The SCP F4211 Sales History Extract program selects information from the Sales Order Detail table (F4211). If blank, the extract is not run.</p> <p>Set up the sub-UBE program for the specified version.</p>
Clear Extract File	<p>Use this processing option to specify whether to clear the extract file from the previous batch before adding extracted data.</p> <p>Valid values are:</p> <p>Blank: Do not clear the extract file before adding new data. Append the new data to any existing data in the extract file.</p> <p>1: Clear the extract file before adding new data.</p>
Sales History Extract File Definition	<p>This processing option specifies the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Planning File Definition table (F34A11).</p> <p>The sales order history file should be named SalesOrderHistory.txt</p>
7. Price History Extract File Definition	<p>This processing option specifies the key value that is associated with the path name of the extract file. The key value can be defined using the Planning File Definition program (P34A11)</p> <p>Note: This generates the PriceHistory.txt file. Specify a value if you are using Demantra Predictive Trade Planning.</p>
<p>Demantra tab</p> <p>1. Indicate if the processor is used for Demantra Integration</p>	<p>This processing option specifies whether you are integrating with Demantra.</p> <p>Valid values are:</p> <p>Blank: Not used for Demantra integration</p> <p>1: Used for Demantra integration. The MDE date format, semicolon (;) flat file delimiter, and double quote (") text qualifiers are used to format the extracts. This formatting overrides the formatting set in the Planning Integration Constants, hard-coding the output to be compatible with Demantra applications.</p>

Setting Supply Chain Planning Sales History Extract (R34A425) Sub-UBE Program Options

In addition to the sales history processing options in the SCP Outbound Processor (R34A400), you must also set processing options for the SCP Sales History Extract (R34A425). The processing options are:

Option	Description
Begin Date	This processing option specifies the beginning date for the selection of sales history to be included. Sales orders with a promised ship date before this date are not included.
Version of Supply/Demand Inclusion Rules	This processing option defines the version of supply/demand inclusion rules read by the program. The rules define the criteria used to select items for processing.

Setting Supply Chain Planning F4211 Sales History Extract (R34A435) Sub-UBE Program Options

In addition to the sales history processing options in the SCP Outbound Processor (R34A400), you must also set processing options for the SCP F4211 Sales History Extract (R34A435). The processing options are:

Option	Description
Begin Date	This processing option specifies the beginning date for the selection of sales history to be included. Sales orders with a promised ship date before this date are not included.
Version of Supply/Demand Inclusion Rules	This processing option defines the version of supply/demand inclusion rules read by the program. The rules define the criteria used to select items for processing.

Setting Supply Chain Planning Inbound Processor (R34A410) Options

The SCP Inbound Processor (R34A410) imports the forecast extract for JD Edwards EnterpriseOne to Demantra integration.

Option	Description
Process 1 tab 1. Control File Definition - JD Edwards EnterpriseOne	Use this processing option to specify the key value that is associated with the path name of the outbound control file. This processing option is required. The key value can be defined using the Planning File Definition program (P34A11)
Process 2 tab Error Log Definition	Use this processing option to specify the key value that is associated with the path name of the error log that is created in the batch. The error log is a text file containing batch status information and record counts. The key value can be defined using the Planning File Definition program (P34A11)

<p>Forecasts tab</p> <p>1. Forecast Import Version (R34A485)</p>	<p>This processing option specifies the version of the SCP Inbound Forecasts program (R34A485) to run. If blank, the import is not run.</p> <p>This program populates the Forecast table (F3460) with forecast information that is passed in from Demantra. You can set processing options that are specific to this import program for the Forecasts Import version (R34A485), which you enter in this field.</p> <p>Set up the sub-ube program for the specified version.</p>
<p>2. Clear Import File</p>	<p>This processing option specifies whether to clear the import file after the data on the file has been processed. Values are:</p> <p>Blank: Do not clear the import file after processing the batch. Save the incoming data on the import file.</p> <p>1: Clear the import file after processing the batch.</p> <p>If you enter 1 in this field, but you leave the SCP Inbound Forecasts version processing option blank, the import file is cleared.</p>
<p>3. Import File Definition</p>	<p>This processing option specifies the key value that is associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option.</p> <p>The key value can be defined using the Planning File Definition program P34A11.</p> <p>The file containing the forecast values must be named Forecast.txt</p>
<p>Demantra tab</p> <p>1. Indicate if the processor is used for Demantra Integration</p>	<p>This processing option specifies whether you are integrating with Demantra.</p> <p>Valid values are:</p> <p>Blank: Not used for Demantra integration</p> <p>1: Used for Demantra integration. The MDE date format, semicolon (;) flat file delimiter, and double quote (") text qualifier is used to format the extracts. This formatting overrides the formatting set in the Planning Integration Constants, ensuring the output is compatible with Demantra applications.</p>

Setting Supply Chain Planning Inbound Forecasts (R34A485) Sub-UBE Program Options

In addition to the forecast processing options in the SCP Inbound Processor (R34A410), you must also set these processing options for the SCP Inbound Forecasts (R34A485).

Option	Description
1. Default Forecast Type	This processing option specifies the default forecast type that you want

	the system to use when adding new forecasts.
2. Fiscal Date Pattern	This processing option specifies the code that identifies date patterns. You can use one of 15 codes. You must set up special codes (letters A through N) for 4-4-5, 13-period accounting, or any other date pattern unique to your environment. An R, the default, identifies a regular calendar pattern.

Performing Incremental Sales History Extracts from JD Edwards EnterpriseOne

You can extract complete or incremental sales history information from JD Edwards EnterpriseOne.

To extract incremental sales history information from JD Edwards EnterpriseOne, open the R34A400_VCDMINCR.xml sample runubexml template file (or the one you have created in your environment) and edit the report interconnect values at the end of the file as shown here below:

Field	Description
nFromDays	<p>This processing option specifies the number of days before or after the current day to begin gathering extract data.</p> <p>To gather data starting after today, enter a positive number. For example, to gather data starting three days after today, enter 3.</p> <p>To start gathering data before today, enter a negative number. For example, to start gathering data three days before today, enter -3.</p> <p>The value 0 represents today. If both the FromDays and ThruDays fields are blank, the value is assumed to be 0, which will extract only today's historical data.</p>
NthruDays	<p>This processing option specifies the number of days before or after the current day to stop gathering extract data.</p> <p>To stop gathering data after today, enter a positive number. For example, to stop gathering data three days after today, enter 3.</p> <p>To stop gathering data before today, enter a negative number. For example, to stop gathering data three days before today, enter -3.</p> <p>The value 0 represents today. If both the FromDays and ThruDays fields are blank, the value is assumed to be 0, which will extract only today's historical data.</p>
NincrementalLoadIndicator	<p>This processing option specifies whether full or incremental data is extracted from the Planning Outbound Processor.</p> <p>Valid values are:</p> <p>0: Full extraction.</p> <p>1: Incremental extraction based on values in the FromDays and</p>

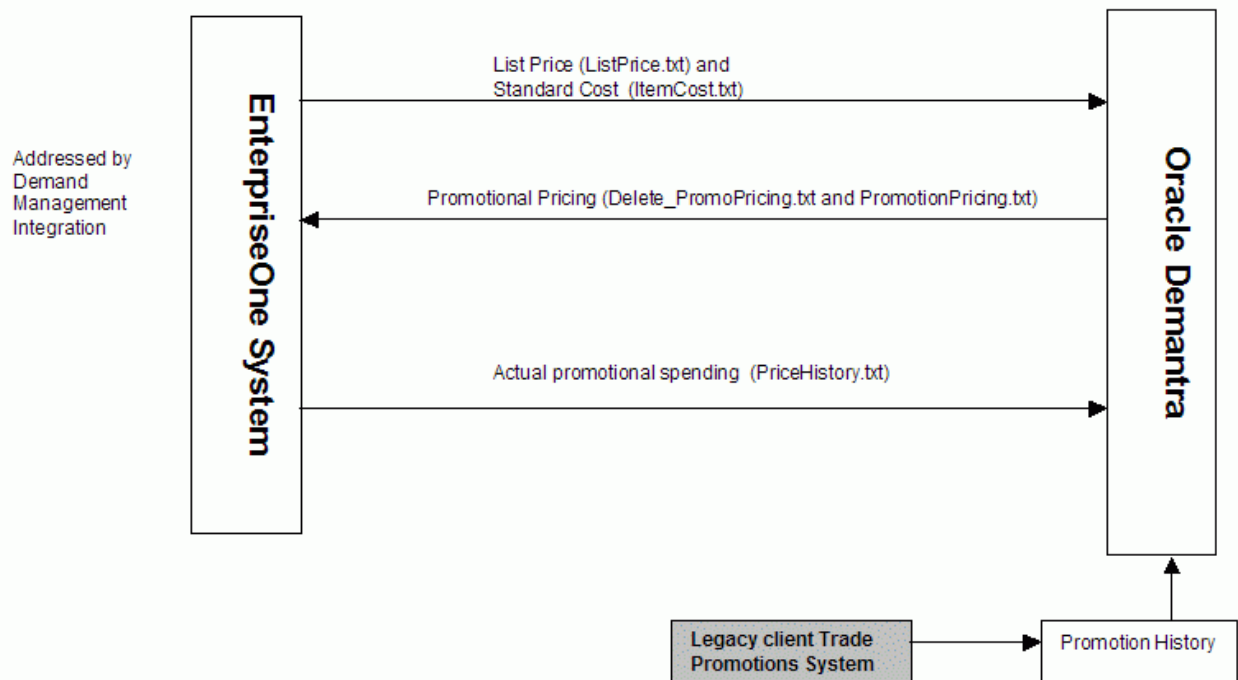
ThruDays fields.

Note: You cannot extract incremental sales history records by running the R34A400 program on the JD Edwards EnterpriseOne user interface. Variables must be specified in the runubexml template file and the runubexml command must be run in a batch script.

Extracts Required for Integration with Demantra Predictive Trade Planning

The Demantra PTP integration is an extension of the Demantra Demand Management integration. Entities loaded from JD Edwards EnterpriseOne into Demantra for the Demand Management integration are also required a PTP implementation. Sales history information should be extracted from JD Edwards EnterpriseOne using the steps described in the Demand Management integration section.

The following diagram illustrates the logical integration flow between JD Edwards EnterpriseOne and Demantra PTP:



The integration flow for PTP is as follows:

1. Master data and sales history information are extracted from JD Edwards EnterpriseOne and loaded into Demantra during the Demand Management integration.

This populates the item and location hierarchies in Demantra and loads sales history information required to generate forecasts.

2. List price (ListPrice.txt) and item cost (ItemCost.txt) are loaded into Demantra.

Future List Price and Standard Cost information are extracted from JD Edwards EnterpriseOne and loaded into Demantra, populating the Demantra sales data structure, which is used to plan future promotions.

3. Historical Promotions are loaded.

Historical promotional information must be loaded into Demantra at the beginning of an implementation. This information comes from the Trade Promotions Management system. The standard Demantra integration interface loads this data.

4. The forecasting engine is run in Demantra PTP.

The Predictive Trade Planning forecasting engine generates baseline forecasts for the customer and product hierarchies based on sales activity and promotion history provided in steps 1 and 3.

5. Future promotions are planned in Demantra PTP.

6. Future promotional pricing is loaded from Demantra to JD Edwards EnterpriseOne using Delete_PromoPricing.txt and PromotionPricing.txt.

Promotional Pricing (Off-Invoice and Bill-Back Allowances) information interfaced from Demantra to the JD Edwards EnterpriseOne Advanced Pricing module and applies correct price discounts during order management.

7. In JD Edwards EnterpriseOne, orders are processed against new promotions.

8. Actual promotional spending and accruals are extracted from JD Edwards EnterpriseOne and loaded into Demantra using PriceHistory.txt.

Actual Promotional Spending or Accruals is the actual amount spent for off-invoice promotions or accrued (for bill-back promotions).

Important: Demantra PTP uses the Parent Address Number and Parent Address Description fields in JD Edwards EnterpriseOne and loads this data to the Retailer level in Demantra. Retailer is a parent level of the Site level, which represents the ship-to site.

Promotions in Demantra are usually planned at the Retailer level. It is recommended that you populate the Parent Address Number and Parent Address Description fields in JD Edwards EnterpriseOne. If Parent Address fields are null in JD Edwards EnterpriseOne, the customer code and customer name are populated into the Retailer level.

Setting Supply Chain Planning Outbound (R34A400) Processor Options

The R34A400 processor extracts List Price information(via ListPrice.txt) and Item cost information (via ItemCost.txt)

Option	Description
Process 1 tab Control File Definition - JD Edwards EnterpriseOne	This processing option specifies the key value that is associated with the path name of the outbound control file. This processing option is required. The key value can be defined using the Planning File Definition program (P34A11).
Process 2 tab Error Log Definition	This processing option specifies the key value that is associated with the path name of the error log that is created in the batch. The error log is a text file containing batch status information and record counts. The key value can be defined using the Planning File Definition program (P34A11).
Demantra tab 1. Indicate if the processor is used for Demantra Integration	This processing option specifies whether you are integrating with Demantra. Valid values are: Blank – Not used for Demantra integration 1: Used for Demantra integration. The MDE date format, semicolon (;) flat file delimiter, and double quote (") text qualifier is used to format the extracts. This formatting overrides the formatting set in the Planning Integration Constants, ensuring the output is compatible with Demantra applications.
List Price tab 1. Future List Price Extract Version (R45529)	This processing option specifies the version of the Future List Price program (R45529) to run in the batch. If blank, the import is not run. A version of the sub-ube program R45529 must also be set up.
2. Clear extract file	This processing option specifies whether to clear the extract file from the previous batch before adding extracted data. Valid values are: Blank: Do not clear the extract file before adding new data. Append the new data to any existing data in the extract file. 1: Clear the extract file before adding new data.
3. Extract file definition	This processing option specifies the key value that is associated with the path name of the extract file. The key value can be defined using the Planning File Definition program (P34A11)

	The file name must be ListPrice.txt
Item Cost tab	This processing option specifies the version of the Future List Price program (R41053) to run. If blank, the import is not run. A version of the sub-ube program R41053 must also be set up.
1. Item Cost Extract Version (R41053)	
2. Clear extract file	This processing option specifies whether or not to clear the extract file from the previous batch before adding extracted data. Values are: Blank: Do not clear the extract file before adding new data. Append the new data to any existing data in the extract file. 1: Clear the extract file before adding new data.
3. Extract file definition	This processing option specifies the key value that is associated with the path name of the extract file. The key value must be a valid entry in the Planning File Definition table (F34A11). The file must be named ItemCost.txt

If you are using Demantra PTP, extract Price History information (PriceHistory.txt) using the R34A400 outbound processor by setting the Price History extract file definition in the Sales History tab.

Setting Future List Price (R45529) Processing Options

In addition to setting the processing options in the SCP Outbound Processor (R34A400), you must also set processing options for the R45529 program in order to extract future list prices. The processing options are:

Processing Option	Description
1. Item Pricing	This processing option specifies whether or not to include item pricing in extract file. Valid values are: Blank: Do not include 1: Include
2. Customer Price Group	This processing option specifies whether or not to include records in the Item Base Price table (F4106) for a specific customer price group in the extract file. These records are selected in addition to item pricing and item or customer pricing records. Blank: Do not include 1: Include
3. Item/Customer pricing	This processing option specifies whether or not item or customer pricing is included in the extract file. Valid values are;

	Blank: Do not include 1: Include
4. Currency Code	This processing option specifies which currency to extract. If you do not enter a currency code, the system extracts the currency designated for company 000000.
5. Unit of Measure	If you do not enter a unit of measure, prices are extracted in the item's primary unit of measure.
6. Branch/Plant	If you do not enter a value, prices for all branches or plants are extracted.
7. Multiple Prices	This processing option specifies whether or not the system allows the extraction of multiple prices. Valid values are: Blank: Error. 1: Allow multiple price extractions.

Note. If you leave the Branch/Plant option blank but select the Multiple Prices option, the system reports an error and stops processing. If you leave the Branch/Plant option and Multiple Prices option blank, multiple prices can be written to the extract file. If any value is entered for the Branch/Plant option, multiple prices cannot be written to the extract file.

Setting Item Cost (R41053) Processing Options

To extract future list prices, set the processing options for the R41053 extract program.

Processing Option	Description
1. Multiple Costs	This processing option specifies whether or not to allow multiple costs. Valid values are: Blank: Error 1: Include

Setting Supply Chain Planning Inbound (R34A410) Processing Options

The SCP Inbound Processor (R34A410) imports promotional pricing information from Demantra into JD Edwards EnterpriseOne. Demantra PTP enables you to create a new promotional price for an item. The Oracle Demantra system bases this price on several factors. The JD Edwards EnterpriseOne Advanced Pricing integration with Oracle Demantra requires that once a promotional discount is accepted and activated, it is applied to JD Edwards EnterpriseOne advanced pricing tables.

The accounting for the promotional discount occurs in one of two methods:

- Off-invoice. The discount is applied to the final price that is invoiced to the customer.
- Billback. This discount does not come from the invoiced price, but rather from an accrual account.

When new promotions are sent to JD Edwards EnterpriseOne, the file contains a record for every Account and Item combination on the promotion. Regardless of the Demantra customer or product level, promotion information is always sent to JD Edwards EnterpriseOne at the Account location and Item product level.

If a promotion is modified in Demantra after it has been sent to JD Edwards EnterpriseOne, a set of delete entries are sent to JD Edwards EnterpriseOne, followed by a set of new promotion entries.

Note: Promotional changes are handled by replacing the promotion in JD Edwards EnterpriseOne.

For the inbound promotional pricing program, set up two versions of R34A410; one for Delete_PromoPricing.txt and one for PromotionPricing.txt.

The following table provides information for the Demantra integration. Other tabs may be used in an implementation for other purposes, for example, external function definitions at the beginning or end of the processing.

Processing Option	Description
Process 1 tab 1. Control File Definition JD Edwards EnterpriseOne	This processing option specifies the key value that is associated with the path name of the outbound control file. This processing option is required. The key value can be defined using the Planning File Definition program (P34A11).
Process 2 tab 2. Error Log Definition	This processing option specifies the key value that is associated with the path name of the error log that is created in the batch. The error log is a text file containing batch status information and record counts. The key value can be defined using the Planning File Definition program (P34A11), which you access from the Supply Chain Planning & Scheduling menu (G34A).
Promotional Pricing 1. Inbound Promotional Pricing Version (R45640)	Specify the version of the inbound promotion pricing program (R45640) to run. If blank, the import is not run. Note: A version of the R45640 extract program must be set up.
2. Clear Import File	This processing option specifies whether or not to clear the import file after the data on the file has been processed. Valid values are:

	<p>Blank: Do not clear the import file after processing the batch. Save the incoming data on the import file.</p> <p>1: Clear the import file after processing the batch.</p>
3. Import File Definition	<p>This processing option specifies the key value associated with the path name of the import file. You must enter a key value in this field if you entered a version in the version processing option.</p> <p>The key value can be defined using the Planning File Definition program (P34A11).</p>
<p>Demantra tab</p> <p>1. Indicate if the processor is used for Demantra Integration</p>	<p>This processing option specifies whether or not you are integrating with Demantra.</p> <p>Valid values are:</p> <p>Blank: Not used for Demantra integration</p> <p>1: Used for Demantra integration. The MDE date format, semicolon (;) flat file delimiter, and double quote (") text qualifier is used to format the extracts. This formatting overrides the formatting set in the Planning Integration Constants, ensuring that the output is compatible with Demantra applications.</p>

Setting Inbound Promotional Pricing (R45640) Sub-UBE Program Options

Option	Description
<p>Process 1 tab</p> <p>1. Automatically Launch Live Promotions Update</p>	<p>This processing option automatically calls the Live Promotions Update program (R45720ZB), which runs over the data created in the batch run.</p> <p>Valid values are:</p> <p>Blank: No</p> <p>1: Yes</p>
<p>Versions</p> <p>1. Version of Live Promotions Update (R45720ZB)</p>	<p>This processing option specifies the version of the Live Promotions Update program to run. If blank, version XJDE0001 is used.</p> <p>A version of the R45720ZB must be set up.</p>

Setting Live Promotions Update (R45720ZB) Processing Options

Processing Option	Description
Defaults	<p>The preference hierarchy for promotional price adjustment definitions. The promotional hierarchy must use a hierarchy based</p>

1. Enter the preference hierarchy name to be used (Required)	on the Sold to, Ship to, or parent address number.
2. Enter the unit of measure code for which to write the price details record (Required)	This processing option specifies the unit of measure to which the system converts the promotional amount. A conversion does not occur if the value is set to the planning unit of measure.
3. Enter the branch plant to utilize for a branch specific conversion	This processing option specifies the branch or plant the system uses to find a conversion factor when conversions are set up to be branch specific.
4. Enter G/L Offset for Bill Back Adjustment	The G/L offset for the billback promotional price adjustment definition. You can change the value on the price adjustment definition after it is created. If the pricing engine updates a promotion, the value is not used to update the promotional adjustment definition.
5. Enter Subledger for Bill Back Adjustment	The subledger for the billback promotional price adjustment definition. You can change the value on the price adjustment definition after it is created. If the pricing engine updates a promotion, the value is not used to update the promotional adjustment definition.
6. Enter G/L Offset for Off Invoice Adjustment	The G/L offset for the off-invoice promotional price adjustment definition. You can change the value on the price adjustment definition after the system creates it. If the pricing engine updates a promotion, the value is not used to update the promotional adjustment definition.
7. Enter Subledger for Off Invoice Adjustment	The subledger for the off-invoice promotional price adjustment definition. You can change the value on the price adjustment definition after it is created. If the pricing engine updates a promotion, the value is not used to update the promotional adjustment definition.
Pricing Schedule	The UDC's product code used as a driver for the schedule application.
1. Enter the Product Code of the User Defined Code to drive schedule application	
2. Enter the User Defined Code type to drive schedule application.	The user-defined code value used to run the schedule application.
3. Enter the User Defined Code driver method	<p>The driver method for which UDC values are entered in options 1 and 2.</p> <p>Valid values are:</p> <p>Blank: The system ignores the values in options 1 and 2 and does not apply adjustment definitions to any schedules. This action allows you to manually attach adjustment definitions to appropriate schedules.</p>

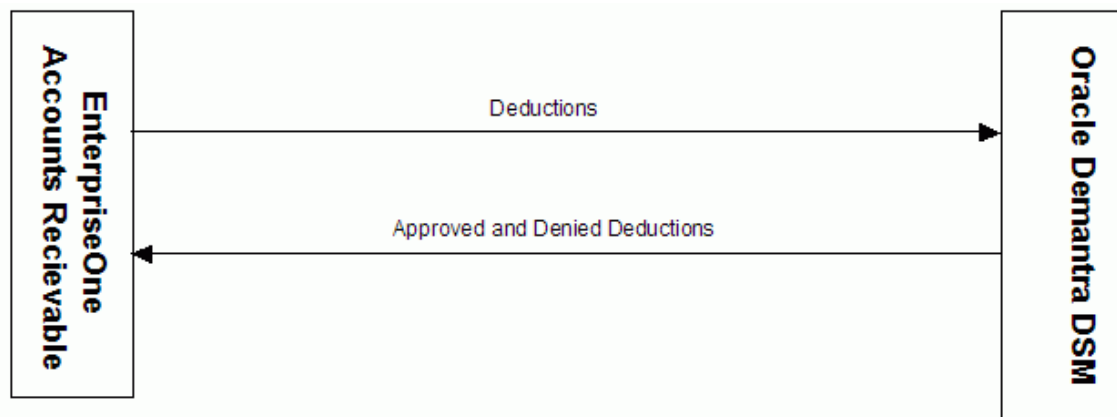
	<p>1: The system uses the UDC values that you entered in options 1 and 2 to apply the created adjustment definitions to the schedule name indicated in the code value of the UDC. The value must exist in the 40 AS UDC.</p> <p>2: The system uses values in from the 40 AS UDC to apply to valid schedules.</p> <p>The system skips the values indicated in options 1 and 2. The value must exist in the 40/AS UDC. The system applies new promotional adjustment definitions to the schedules that you determine here.</p>
4. Beginning Sequence range for definition application	<p>The beginning sequence value applied to the schedule.</p> <p>This is the first number identified for schedule application.</p>
5. Ending sequence range for definition application	<p>The ending sequence value applied to the schedule. This is the last number identified for schedule application.</p>
6. Sequence increment factor for definition application	<p>The incremental factor used when the system searches for an appropriate place to apply a schedule.</p>

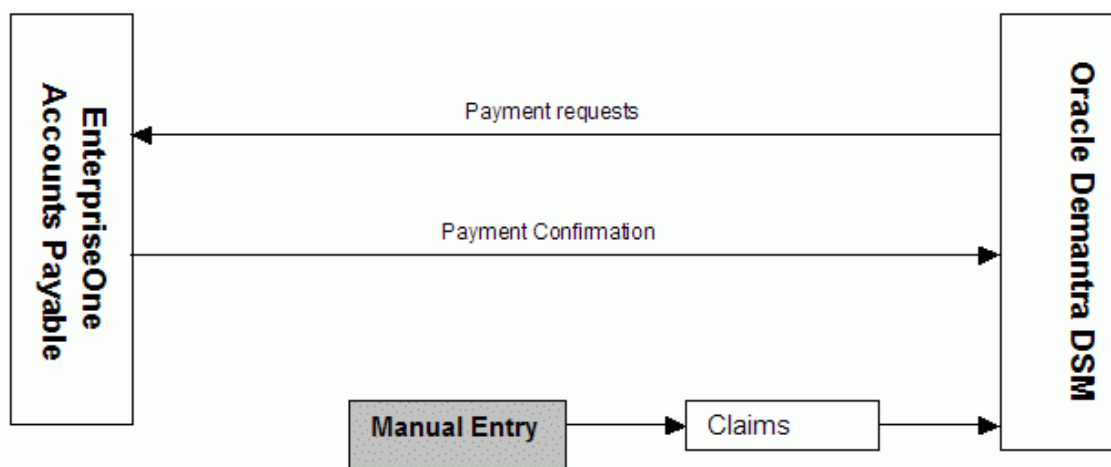
Extracts Required for Integration with Demantra Deductions and Settlement Management

Oracle Demantra Deductions and Settlement Management tracks and resolves deductions and settlement methods that are common to the consumer goods industry.

The Oracle Demantra Deductions and Settlement Management (DSM) product requires implementation of Oracle Demantra Predictive Trade Planning (PTP) as a prerequisite.

The following diagram illustrates the logical integration flow between JD Edwards EnterpriseOne and Demantra PTP:





Setting Open Deductions Extract (R03B0209) Processor Options

The Open Deductions Extract program (R03B0209) extracts open deductions from JD Edwards EnterpriseOne A/R and creates a flat file. The extract sends new deductions without any updates.

Processor Option	Description
1. Enter File Name and Path	The name and path of the created flat file. The file name must be Dedcutions.txt.
4. Enter Control File Name and Path	The name and path of the created flat file. This file prevents concurrent processing of other inbound batch processes that utilize this same control file.

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [ODI Directory Structure](#).

Setting Deduction Dispositions (R03B41Z2) Options

This program takes the approved and denied deductions from Demantra and processes them in JD Edwards EnterpriseOne.

Option	Description
Process tab	The date used to populate the General Ledger date in the Interoperability - Deductions Management (F03B41Z1) table. If

1. Specific Date as GL Date	blank, the server date is used.
2. Enter File Name and Path	The path for DeductionsDispositions.txt. The file name must be DedcutionDispositions.txt.
3. Automatically Launch Process Interop Deductions (R03B41Z1)	This processing option specifies whether or not the Process Interop Deductions (R03B41Z1) program is automatically called. Valid values are: Blank: Review the inbound record, perform the update at a later time, or both. 1: Run the Process Interop Deductions (R03B41Z1) program. This program runs over the created data.
6. Enter control file name and path	The name and path of the created flat file. This file prevents concurrent processing of other inbound batch processes that utilize this same control file.
Versions tab Version of Process Interop Deductions (R03B41Z1)	If the automatic launch processing option is selected, specify the version to use for deduction records processing. If blank, version XJDE0001 is used. A version of the sub-ube program R03B41Z1 must be set up. The R03B41Z1 program has no processing options. Create a version of the program or use the default program XJDE0001.

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [ODI Directory Structure](#).

Setting AP Claim (R04110ZB) Processing Options

The JD Edwards EnterpriseOne Accounts Payable integration with Oracle Demantra Trade Promotions supports the process of receiving claims in the Demantra system and creating a payment request in the JD Edwards EnterpriseOne Accounts Payable system.

Processing Option	Description
-------------------	-------------

Process	The name and path of the created flat file. This file prevents the concurrent processing of other inbound batch processes that use the same control file.
1. Enter Control File Name and Path	
2. Enter File Name and Path	The name and path where the Claim.txt file from Demantra is located.
Defaults	This processing option specifies the general ledger date that you want the system to use for the voucher.
1. Voucher G/L Date	Valid values are: Blank: Use the system date. 1: Use the invoice date from the Inbound AP Claims flat file. 2: Use the settlement date of origin from the Inbound AP Claims flat file.
2. Override Voucher G/L Date	This processing option specifies a general ledger date for the voucher. If you enter a value in this processing option, the date overrides the Voucher general ledger Date processing option.
3. G/L Offset for Bank Account	This processing option specifies the G/L offset assigned to the bank charge. If blank, the default value is AAI PB. A PB AAI with the correct account information must exist. The value from this processing option concatenates with the PB value to resolve the AAI.
4. G/L Offset for G/L Distribution	This processing option specifies the general ledger offset for the expense item (PExxx). The PE AAI for the general ledger offset that you specify identifies the expense account. If blank, the default is AAI PE. A PE AAI with the correct account information must exist. The value from this processing option concatenates with the PE value to resolve the AAI.
Versions	This processing option specifies the version of the Voucher Batch Processor (R04110ZA) to run. If blank, the Voucher Batch Processor is not run.
1. Batch Voucher Processor (R04110ZA)	Set up a version of the sub-ube program.

Setting Outbound AP Confirmation (R04110ZC) Processing Options

Processing Option	Description
Process	The name and path of the created flat file. This file prevents concurrent processing of other inbound batch processes that

1. Enter Control File Name and Path	utilize this same control file.
2. Enter File Name and Path	The path where the APConfirm.txt file is created.
3. Voucher Document Type	This processing option specifies the Oracle Demantra document type to confirm the payments Enter PV (Voucher)
4. Multiple Payments Description	This processing option specifies the description to indicate multiple payments. For example: MP.

Important: In a shared directory configuration, the paths specified in extract file definitions must point to a valid path that is shared between the JD Edwards EnterpriseOne server and the ODI server.

For more information, see [ODI Directory Structure](#).

Configuring Web Service for ODI Scenarios

This chapter discusses how to:

- Set up the ODI Agent
- Launching ODI Web Service on the Oracle Application Server
- Set up ODI Web Service
- Set up password encryption

Setting Up the ODI Agent

The ODI Agent needs to be running for the Collections concurrent programs to invoke a web service.

To run the ODI Agent:

1. Log in to the ODI server.
2. Start a Linux xterm session.
3. Enter the following:

```
ssh -l <username> <servername>
```
4. Enter your password.
5. Set the java_home and path variables as follows:

```
export JAVA_HOME=/slot/ems4045/oracle/product/10.1.3.1/OracleAS_1/jdk/  
export PATH=.: $PATH: $JAVA_HOME/bin
```
6. Change the directory as follows:

```
cd /slot/ems4045/oracle/odi/oracledi/bin
```
7. To run the agent.sh file that contains all scenarios, enter the following:

```
$> ./agent.sh
```

Launching ODI Web Service on the Oracle Application Server

To execute ODI scenarios, the ODI Web Service is invoked from within the collections concurrent programs. The Web Service must be deployed in an application server.

To deploy the ODI Web Service:

1. Enter the Application Server's URL.
2. Click on Application Server Control.
3. Log in to the application server with your username and password.
4. Select the oc4j_soa OC4J instance.
5. Click the Applications Tab.
6. Click the Deploy button.
7. Select Archive.

The archive resides on the local host and should be uploaded to the server where the Application Server Control is running.

8. In the Archive Location, select msc_ws_e1aps_ws.ear.
9. Copy the msc_ws_e1aps_ws.ear file to your desktop.

This file is also available in the APPL_TOP area of the environment and can be downloaded from the ARU patch file manifest.

10. In Deployment Plan, select Automatically create a new deployment plan.
11. Click Next.
12. In the Application Name field, enter E1APSODIWS.
13. Click Next.
14. Click Deploy.
15. Go to the Application page and verify that E1APSODIWS is available.

If the status shows a green arrow pointing upward, the application has been successfully deployed.

16. Click E1APSODIWS.
17. Click the Web services tab.
18. Select MSC_E1APS_ODISoapHttpPort.

19. Click Test Service.
20. Update the URL in the MSC_E1APS_ODI_URL and E1 APS FC URL profile options.
21. Copy and paste the URL into a browser.
22. Enter following values and invoke the scenario:

```
ScenarioName : SYNCHRONIZE_XML
ScenarioVersion: 001
ODIParameter:
```

23. On the VCP Planning server, use the System Administrator responsibility to set the following profile options at the site level:

- MSC: E1 APS FC *URL*
- MSC: E1 APS ODI *URL*

where *URL* is the URL copied in step 21 of this procedure.

The web service was successfully deployed if you see a message similar to the following:

```
ns0:return>667898#</ns0:return>
```

Setting Up the ODI Web Service Configuration File

To set up the ODI Web Service configuration file:

1. Use the EncryptPassword program to generate an encrypted password for ODI and JDBC access.
2. In the OC4J_SOA home page, drill down into the E1APSODIWS application.
3. Locate the application's middle tier file.
4. Copy the directory path to applications/.
5. Change to the applications/ directory.
6. Change to E1APSODIWS/MSC_E1APS_WebServices/WEB-INF/classes/com/msc directory.
7. Open the msc_e1aps_odi-config.properties file in notepad or VI editor and make following changes:

ODI repository connection details:

ODIUSER = The ODI Administration user name

ODIPASSWORD = The ODI Administration encrypted password

WORKREP = The name of the work repository

HOSTNAME = The host name of the ODI server

PORT = The port number the ODI Agent. The default value is 20910.

JDBC details:

JDBCDRIVER = The name of the JDBC driver

JDBCURL = JDBC connection information

JDBCUSER = The master repository database schema user name

JBCPPASSWORD = The master repository database schema encrypted password

Valid values are available in the odiparams.sh or odiparams.bat file, which is located in the ODI server BIN directory.

Setting Up Password Encryption

Passwords must be encrypted after deploying the web service.

To encrypt passwords:

1. Navigate to the Application Server Control to access the OC4J_SOA home page.
2. Click on the Web Services Tab.
3. Select the MSC_E1APS_EncryptSoapHttpPort.
4. Click on Test Services.
5. Select Oracle Http Server (Protocol: Http).
6. Click on Test Web Service.
7. Enter a password in the EncyprtString field.
8. Click Invoke.

Running Collections

This chapter discusses how to:

- Access the Collections menu
- Run the Collect Planning Data collection
- Run the Publish Planning Results collection
- Run the Collect Sales History collection
- Run the Collect Price and UOM collection
- Run the Publish Forecast to Source System collection
- Run the Collect PTP Data collection
- Run the Publish PTP Results collection
- Run the Collect DSM Data collection
- Run the Publish DSM Data collection

This section provides information about accessing and running JD Edwards EnterpriseOne collections. The collections are as follows:

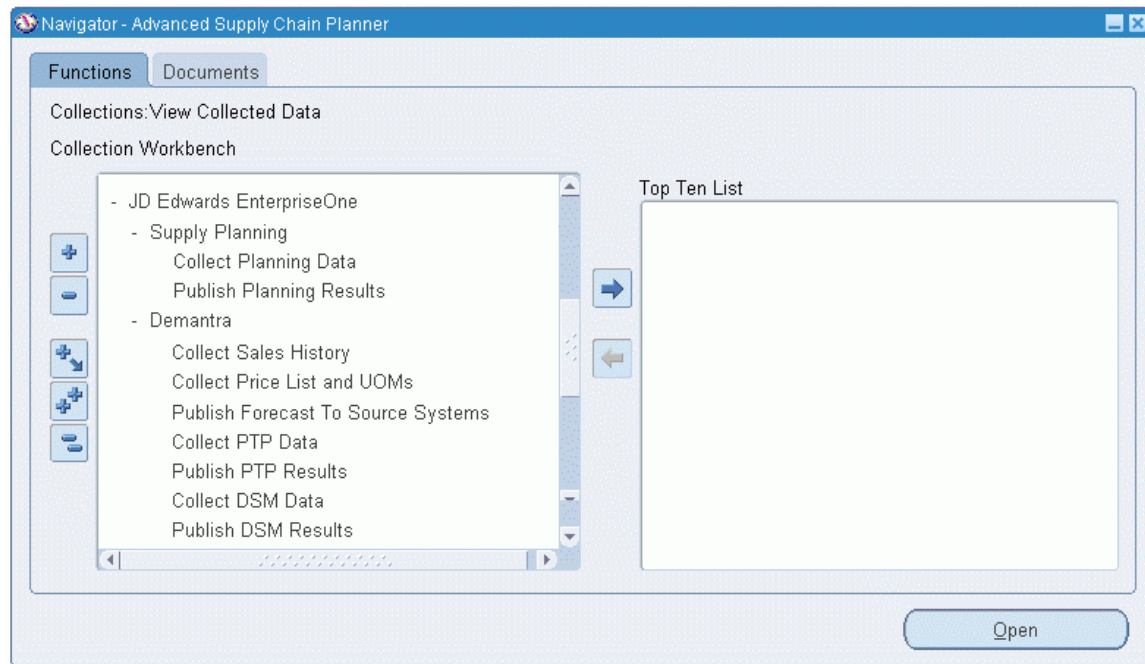
Menu Item	Required Responsibility
Collect Planning Data	Advanced Supply Chain Planner
Publish Planning Results	Advanced Supply Chain Planner
Collect Sales History	Demand Management System Administrator
Collect Price List and UOM	Demand Management System Administrator
Publish Forecast to Source System	Demand Management System Administrator
Collect PTP Data	Demand Management System Administrator
Publish Predictive Trade Planning Results	Demand Management System Administrator
Collect DSM Data	Demand Management System Administrator
Publish Deduction and Settlement Management Results	Demand Management System Administrator

Accessing the Collections Menu

To access the collections menu:

1. Log in to Oracle EBS using the Advanced Supply Chain Manager responsibility.
2. In the Navigator, click Collections.
3. Click JD Edwards EnterpriseOne or Demantra.

The collections menu appears, as seen here below:



JD Edwards EnterpriseOne collections menus for Supply Planning and Demantra

The following table details the collection menu items:

Menu Item	Description
Collect Planning Data	This collection launches the Oracle APS collection process.
Publish Planning Results	This collection publishes the results of the planning process to the Oracle ERP system.
Collect Sales History	This collection launches the Sales History data collection process and subsequent loads the data into Demantra.
Collect Price List and UOM	This collection launches the data collection process for Price List and UOM into Demantra.
Publish Forecast to Source System	Publishes the results of the forecast generation process to the ERP system
Collect PTP Data	This collection gathers data used for Predictive Trade Planning.
Publish PTP Results	This collection publishes Predictive Trade Planning results to the ERP system.
Collect DSM Data	This collection gathers and loads data used for Deduction and

	Settlement Management Data.
Publish DSM Results	This collection publishes the Deduction and Settlement Management results to the ERP system.

The following table provides further information about the collection menu items that pertain to Demantra:

Menu Item	Demantra Workflow
Collect Sales History	EBS Full Download Note: Demantra workflow is launched if Auto download is set to Yes.
Publish Forecast to Source System	AIA-Forecast_Export
Collect Predictive Trade Planning Data Parameters used in this concurrent program are: <ul style="list-style-type: none"> List Price Item Cost Price History 	Demantra workflow is launched when each parameter is set to Yes. List Price: AIA-E1ToPTP_PromoPrice_Download Item Cost: AIA-E1ToPTP_PromoCost_Download Price History: AIA-E1ToPTP_PriceHistory_Download
Publish Predictive Trade Planning Results	AIA-PTPTtoE1_UploadPromotionPrices
Collect Deduction and Settlement Management Data Parameters used in this concurrent program are: <ul style="list-style-type: none"> Load Payment Confirmation Load Deductions	Demantra workflow launched when each respective parameter is set to Yes. Load Payment Confirmation: AIA-E1toPTP_APConfirm_Import Load Deductions: AIA-E1ToDSM_NewDeduction_Download
Publish Deduction and Settlement Management Results Parameters used in this concurrent program: <ul style="list-style-type: none"> Publish Claims Publish Deduction Dispositions 	Demantra Workflow launched when each respective parameter is set to Yes. Publish Claims: AIA-DSMToE1_Claim_Export Publish Deduction Dispositions: AIA-DSMToE1_Deduction_Export

Demantra Workflow Details

The following is additional information relating to the Demantra Work Flows:

List Price: AIA-E1ToPTP_PromoPrice_Download

This workflow loads list price information into the List Price sd series. JD Edwards EnterpriseOne provides this information with an Effective Date and an Expiration Date. During load processing, the date range is converted into individual time periods.

For example, using a weekly model with a date range of January 1, 2009 through December 31, 200 would be converted into 52 individual week entries. If the Customer Number field is null, the List Price applies to all customers. The workflow first loads all global prices where the customer number is null and then overlays any customer-specific prices on top of the global prices.

Item Cost: AIA-E1ToPTP_PromoCost_Download

This workflow loads the item cost information (COGS) into the COGS sd series. COGS information from JD Edwards EnterpriseOne does not include Effective or Expiration Dates. When received, it is assumed to take effect immediately and stays in effect through the last future date for which data is stored in the application.

JD Edwards EnterpriseOne does not have the capability to define customer-specific COGS values. The COGS value applies to all customers.

Price History: AIA-E1ToPTP_PriceHistory_Download

This workflow loads the actual amount spent for off-invoice promotions or accrued for bill-back promotions. The workflow loads the price history data into the OI Amt series for Off-invoice promotions and into the BB Amt series for Bill-back promotions.

AIA-PTPToE1_UploadPromotionPrices

This workflow sends the promotional pricing information to JD Edwards EnterpriseOne. Promotions with an Off-Invoice or Bill-Back payment type are sent to EnterpriseOne. Promotions with fixed cost or scan-down allowance are not sent. Promotion with the following statuses are sent to JD Edwards EnterpriseOne :

- Approved
- Committed
- Partial Paid
- Paid
- Closed.

Promotions in Unplanned or Planned statuses are not sent to JD Edwards EnterpriseOne.

Load Payment Confirmation: AIA-E1toPTP_APConfirm_Import

This workflow loads processed payments from JD Edwards EnterpriseOne and updates the corresponding Check Request in DSM to indicate that the payment has been issued.

Load Deductions: AIA-E1ToDSM_NewDeduction_Download

This workflow loads new Deductions from JD Edwards EnterpriseOne into DSM as Deduction type settlements.

Publish Claims: AIA-DSMToE1_Claim_Export

This workflow extracts check requests for approved claims from Demantra, to be loaded into JD Edwards EnterpriseOne.

Publish Deduction Dispositions: AIA-DSMToE1_Deduction_Export

This workflow extracts approved and denied deductions from DSM, to be loaded into JD Edwards EnterpriseOne.

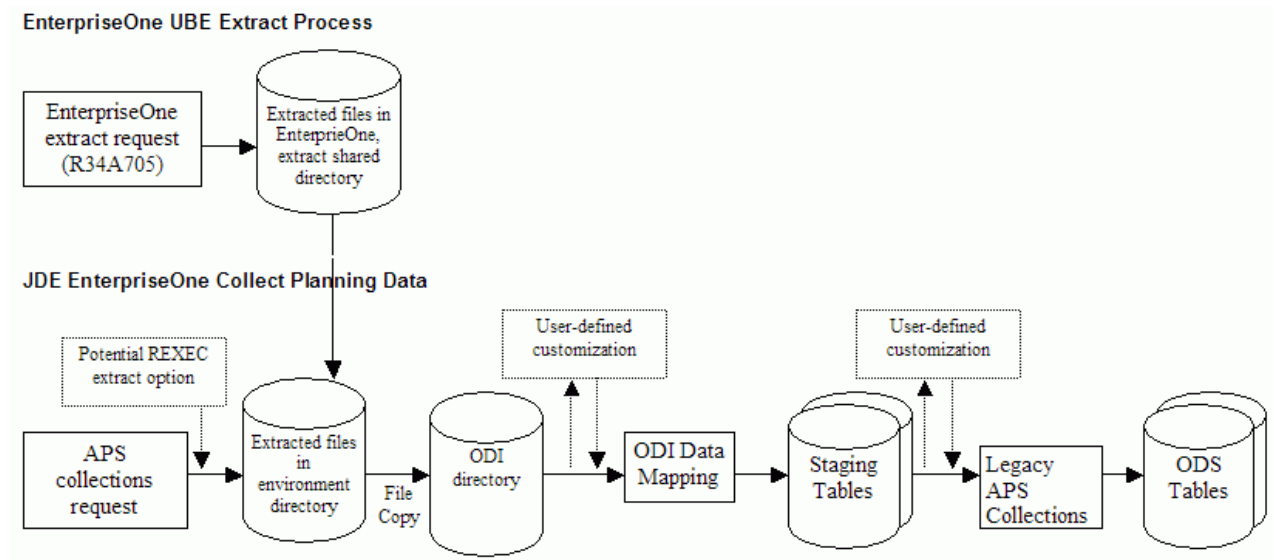
Collect Planning Data

The Collect Planning Data collection process is linked by extract files in the ODI directory.

Note: Only one collection process can run at a time.

Collect Planning Flow

The following diagram outlines the Oracle APS collections flow:



Collect Planning Data flow

The APS concurrent process copies the files and calls each sub-process.

Environment Files

The following environment files are impacted by the Collect Planning Data flow:

- Base.xml
- BeginningInventory.xml
- Calendar.txt
- Customer.xml
- Distribution.xml
- Manufacturing.xml
- PurchaseOrders.xml
- SalesOrders.xml
- Supplier.xml
- TimeSeries.xml
- TransferOrders.xml
- WorkOrders.xml

Calendar Restrictions

- Calendars should be loaded separately from all other entities.
- For doing a collections of all entities, load calendars first, followed by all other entities.
- Calendar selection should be set to No while collecting other entities.
- While loading Trading Partners, ensure Calendar_Overwrite_Flag is set to N in Parameters.txt file.

Publish Planning Results

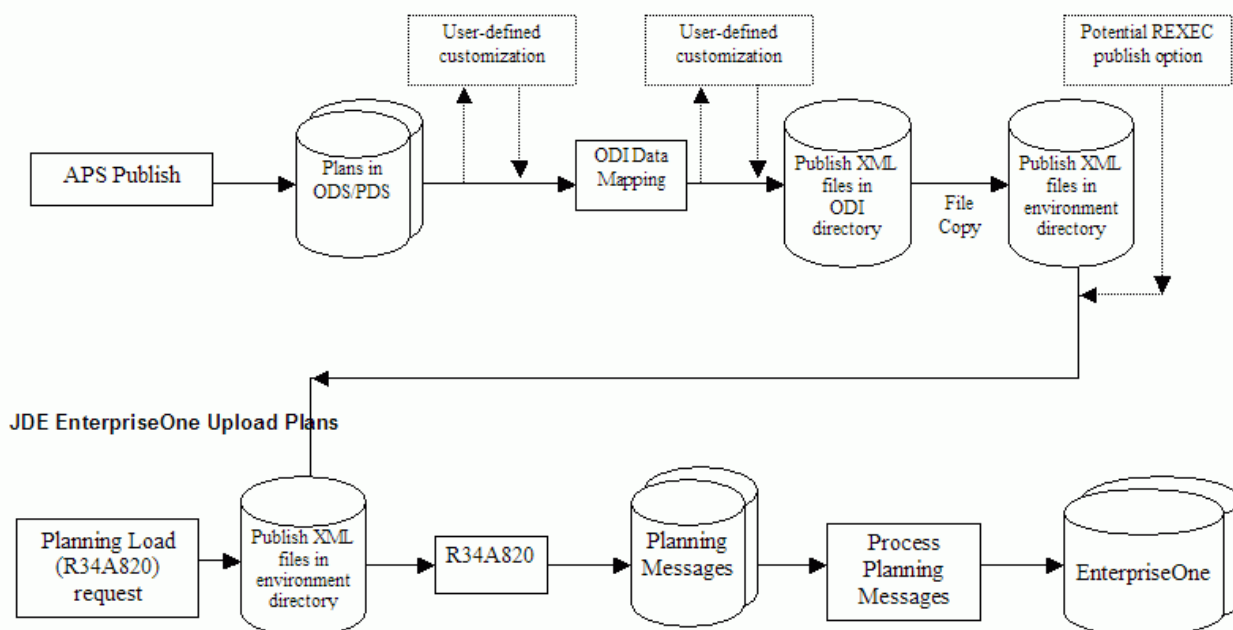
Published files in the ODI directory link this collection process.

Note: ASCP users must do a batch replan before running the publish process to update changes from the Planners Workbench in JDE E1.

Publish Planning Results Flow

The following diagram outlines the Publish Planning Results collections flow:

APS Publish Planning Results Process



Publish Planning Results flow

The APS concurrent process copies the files and calls each sub-process.

Environment Files

The following environment files are impacted by the Publish Planning Results collection flow:

- Deployment Plan.xml
- Detailed_Production_Plan.xml
- PurchasePlan.xml

Collect Sales History

Published sales history files in the ODI directory link this collection process.

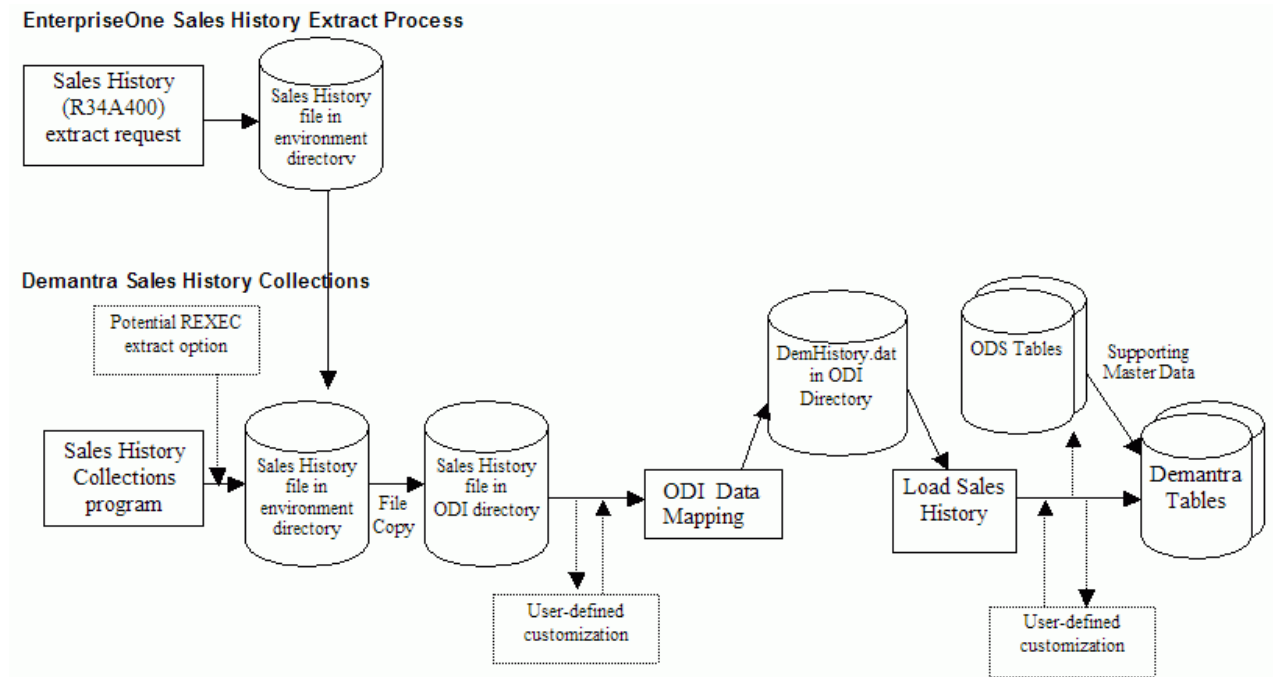
The Collect Sales History collection completes the following steps:

1. Read the JD Edwards EnterpriseOne Sales History file from the JD Edwards EnterpriseOne Specific Data mounted directory.
2. Copy the JD Edwards EnterpriseOne Sales History file to the ODI directory.
3. Run optional user-defined customization files.
4. Trigger the ODI stream.
5. Run the Demantra Collections base process.

Important: Oracle APS collections must be completed prior to launching the Collect Sales History collection process.

Collect Sales History Flow

The following diagram outlines the Collect Sales History collections flow:



Collect Sales History flow

The APS concurrent process copies the files and calls each sub-process.

Environment Files

The following environment files are impacted by the Publish Planning Results flow:

- SalesOrderHistory.txt

After ODI data mapping is performed, the name of this environment file changes to DemHistory.dat.

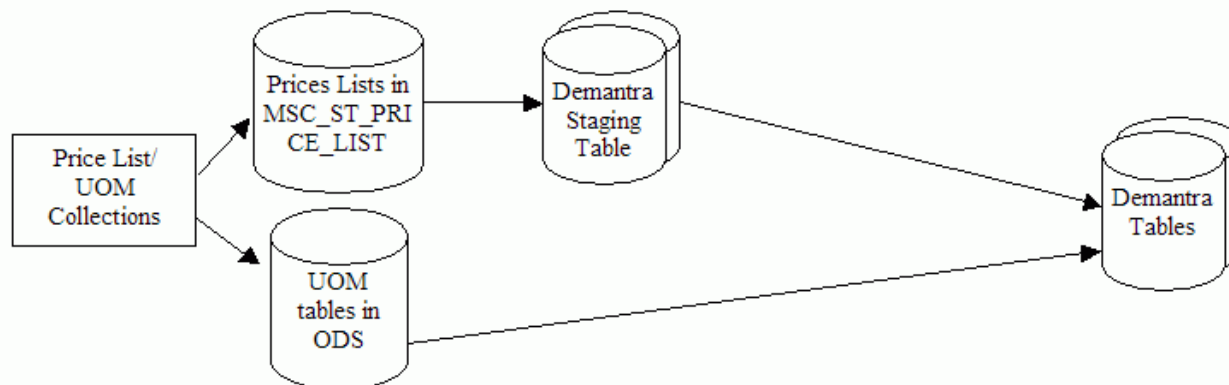
Collect Price List and UOM

You must run Oracle APS Collections before you run the Collect Price List and UOM collection. After Oracle APS Collections is run, units of measure reside in the Operational Data Store and the price list resides in the MSC_ST_PRICE_LIST staging table.

Collect Price List and UOM Flow

The following diagram outlines the Collect Price List and UOM flow:

Price List and UOM Collections



Collect Price List and UOM flow

The APS concurrent process populates Demantra pricelist staging tables. After the Collect Price List and UOMs concurrent program is complete, launch the EBS Price List Download workflow from Demantra workflow manager. This workflow downloads the price list from the Demantra price list staging tables to the Demantra base tables.

The following environment files are impacted by the Collect Price List and UOM flow:

- Customer.xml
- Base.xml

Price List and UOM collections should only be launched after the Collect Sales History collection program is complete. The base UOM for an item needs to be the same across all branches and defined in the Master branch.

Note: Specific price lists or units of measure cannot be excluded.

Publish Forecast to Source System

Forecasts can be published from Demantra to:

- a source ERP system
- the Oracle APS planning system
- to both a source ERP and the Oracle APS planning system

This section discusses publishing a forecast from Demantra to a source ERP system. Standard Demantra workflows are used to publish to the Oracle APS planning system.

This collection uses the Legacy Forecast Publish process to launch the Publish Forecast to Source System program. This program generates the forecast.txt file which can be loaded into JD Edwards EnterpriseOne.

The Oracle APS Publish Forecast to Source System collection completes the following steps:

1. Run the Demantra forecast export workflow.

This writes the file Forecast.txt to the ODI Directory.

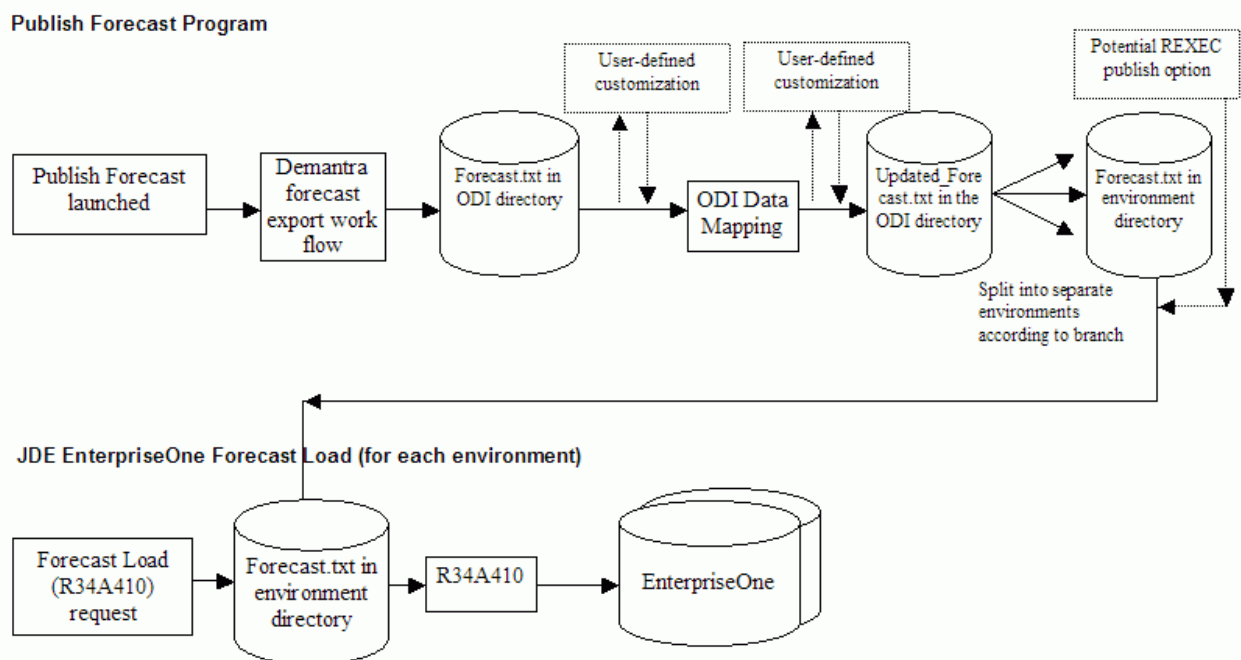
2. Run optional user-defined customization files.

3. Trigger the ODI stream.

The forecast.txt file can contain forecast values across multiple instances. The ODI process filters the records so that only the forecast values for branch codes associated with the JD Edwards EnterpriseOne instance are included.

Publish Forecast to Source System Flow

The following diagram outlines the Publish Forecast to Source System Flow:



Publish Forecast to Source System flow

The APS concurrent process copies the files and calls each sub-process.

Environment Files

The following environment files are impacted by the Publish Forecast to Source System flow:

- Forecast.txt

Collect PTP Data

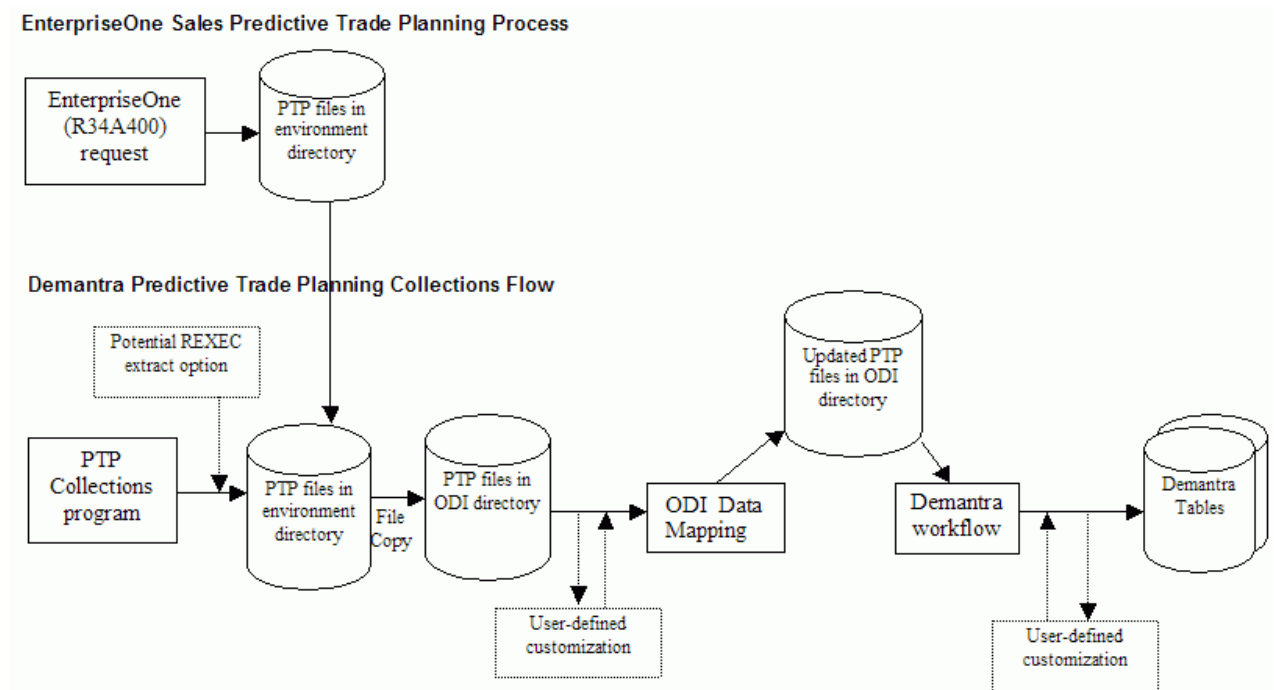
Predictive Trade Planning files in the ODI directory link the Collect PTP Data collection process.

The Load Predictive Planning Data collection completes the following steps:

1. Read the JD Edwards EnterpriseOne Predictive Trade Planning files from the JD Edwards EnterpriseOne Specific Data mounted directory.
2. Copy the JD Edwards EnterpriseOne Predictive Trade Planning files to the ODI directory.
3. Trigger the ODI stream.
4. Launch the Demantra workflow for specific Predictive Trade Planning file.

Collect Predictive Trade Planning Flow

The following diagram outlines the Collect Predictive Trade Planning flow:



Collect PTP Data flow

The APS concurrent process copies the files and calls each sub-process.

There are three inbound Predictive Trade Planning files:

- ListPrice.txt
- ItemCost.txt

- PriceHistory.txt.

Environment Files

The following environment files are impacted by the Collect Predictive Trade Planning flow:

- ListPrice.txt
- ItemCost.txt
- PriceHistory.txt

Publish PTP Results

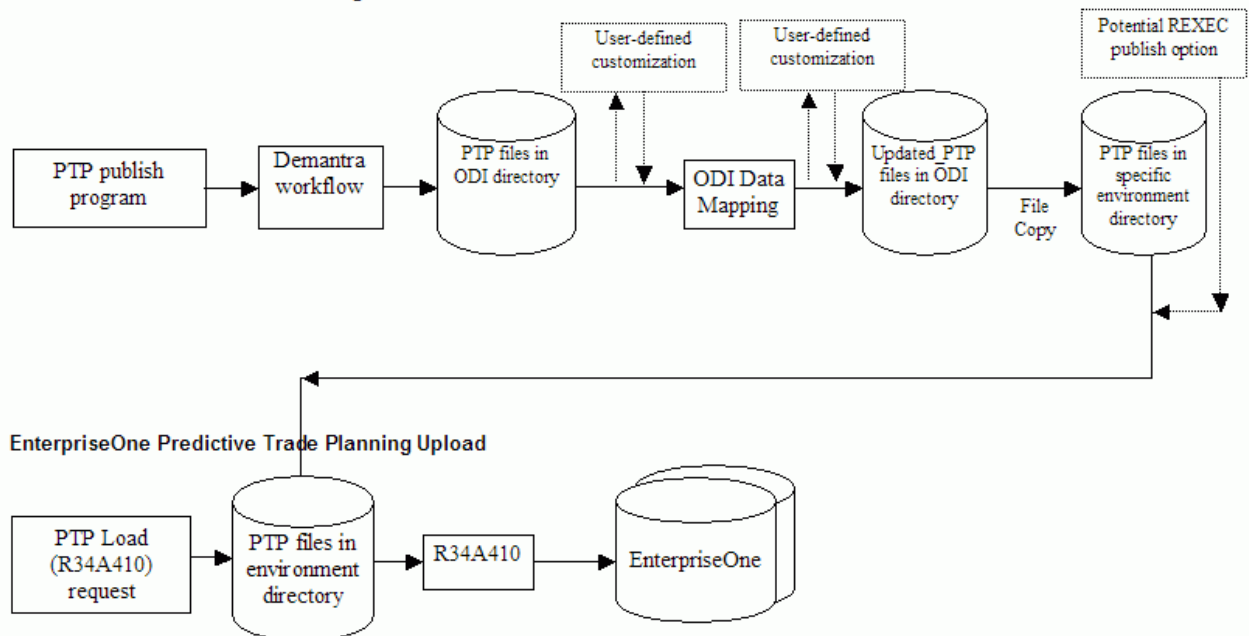
The Publish Predictive Trade Planning collection completes the following steps:

1. Run the Demantra export workflow for each outbound Predictive Trade Planning file.
The files are written to the ODI Directory.
2. Run optional user-defined customization files.
3. Trigger the ODI stream.
4. Copy the files from the standard ODI directory to the JD Edwards EnterpriseOne Specific Data directory.

Publish Predictive Trade Planning Flow

The following diagram outlines the Publish Predictive Trade Planning flow:

Demantra Predictive Trade Planning Publish Flow



Publish PTP Results flow

The APS concurrent process copies the files and calls each sub-process.

There are two outbound Predictive Trade Planning files:

- PromotionPricing.txt
- Delete_PromoPricing.txt

Environment Files

The Publish Predictive Trade Planning flow impacts the following environment files:

- PromotionPricing.txt
- Delete_PromoPricing.txt

Collect DSM Data

The Deduction Settlement Management files in the ODI directory link the Collect DSM Data collections process.

The Collect Deductions and Settlement Management Data collection completes the following steps:

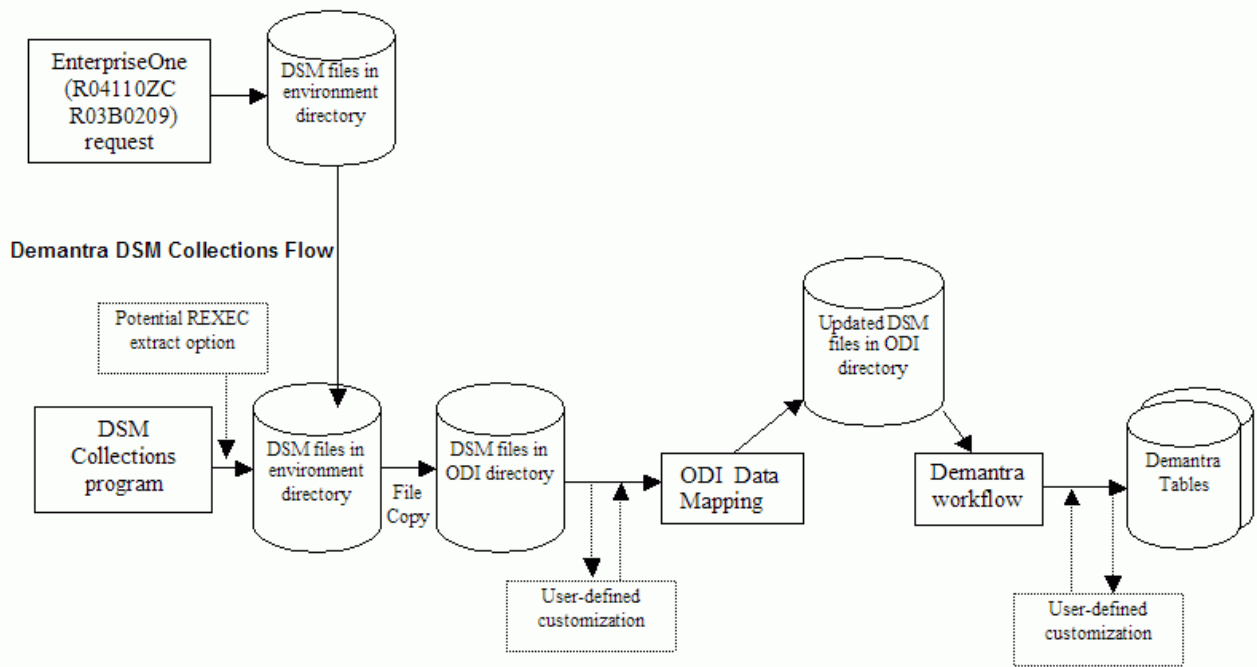
1. Read the JD Edwards EnterpriseOne Deduction Settlement Management files from the JD Edwards EnterpriseOne Specific Data mounted directory.
2. Copy the JD Edwards EnterpriseOne Deduction Settlement Management files to the ODI directory.

3. Trigger the ODI stream.
4. Launch the Demantra workflow for each Deduction Settlement Management file.

Collect DSM Data Flow

The following diagram outlines the Collect DSM Data flow:

EnterpriseOne Deductions and Settlement Management Extract Process



Collect DSM Data flow

The APS concurrent process copies the files and calls each sub-process.

There are two inbound Deduction Settlement Management files:

- APConfirm.txt
- Deductions.txt.

Each flat-file will need to be processed by the corresponding Demantra workflow as listed out in the Demantra integration section of the FDD.

Environment Files

The following environment are impacted by the Collect DSM Data flow:

- Deductions.txt
- APConfirm.txt

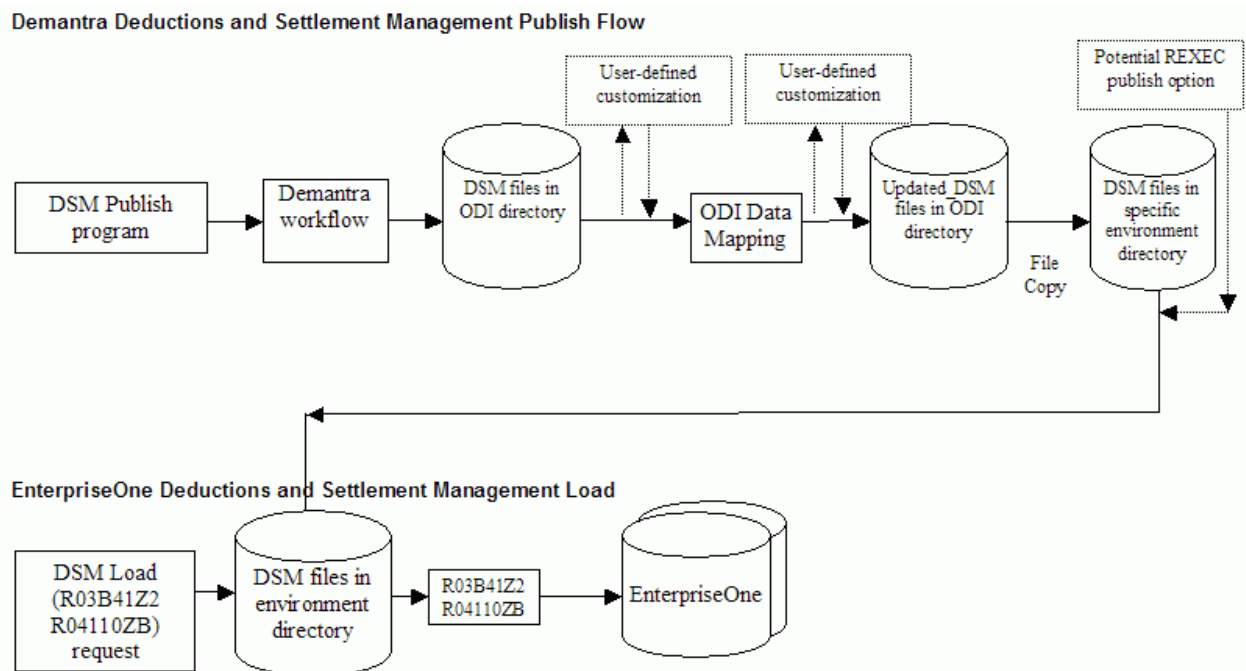
Publish DSM Results

The Publish DSM Results collection completes the following steps:

1. Run the Demantra export workflow for each outbound Deduction Settlement Management file.
The files are written to the ODI Directory.
2. Run optional user-defined customization files.
3. Trigger the ODI stream.
4. Copy the files from the ODI directory to the JD Edwards EnterpriseOne Specific Data directory.

Publish DSM Results Flow

The following diagram outlines the Publish DSM Results flow:



Publish DSM Results flow

The APS concurrent process copies the files and calls each sub-process.

Environment Files

The following environment files are impacted by the Publish DSM Results flow:

- DeductionDispositions.txt
- Claim.txt

JD Edwards EnterpriseOne UBEs

The following JD Edwards EnterpriseOne UBE functions are used in this integration:

Function	Related JD Edwards EnterpriseOne UBEs
Extract and Collect Planning Data	R34A705
Publish Planning Results	R34A820
Extract Sales History	R34A400 R34A425 (Sales History ex Sales History) R34A435 (Sales History ex Sales Orders)
Publish Forecast	R34A410 R34A485
Extract Predictive Trade Planning Data	R34A400 R34A425 (Price History ex Sales History) R34A435 (Price History ex Sales Orders) R41053 (Item Cost) R45529 (List Price)
Publish Predictive Trade Planning	R34A410 R45640 (Promotion Pricing)
Extract Deduction Settlement Management Data	R04110ZC (Payment Confirmations) R03B0209 (Deductions)
Deduction Settlement Management – Publish Claims	R03B41Z2 (Publish Deduction Dispositions) R04110ZB (Claims)

Optional User-Defined Customizations

In certain circumstances, you might require further customization. For example, you might want to:

- incorporate information that is not present in JD Edwards EnterpriseOne.
- customize operations and routings to meet planning requirements.
- adjust costing information to meet planning requirements.

To accommodate the need for further customization, VCP to JDE E1 Integration supports user-defined extensions by two methods:

- ODI Package

- Both pre and post ODI packages are supported
- PLSQL procedures
- These procedures can be called before or after ODI transformations.

These user-defined extension options are available on all menu functions of this integration. The ODI package and PLSQL procedures run at the beginning and end of each integration flow as described in the following table:

Collection Process	Publish Process
PLSQL pre-process procedure	PLSQL pre-process procedure
Pre-process ODI hook	Pre-Process ODI hook
Main ODI processing	Associated VCP processing
Associated VCP processing	Main ODI processing
Post-process ODI hook	Post-process ODI hook
PLSQL post-process procedure	Named PL/SQL post-process procedure

These extensions options run on the ODI server. You can use UBE processing options on the JDE E1 server to define pre-process and post-process scripts for additional extensions.

PLSQL Procedures

The following table lists the PLSQL procedures that are called in the integration processes and can be customized:

Menu Entry	Pre Process Package	Post Process Package
Collect Planning Data	COL_PLAN_DATA_PRE_PROCESS	COL_PLAN_DATA_POST_PROCESS
Publish Planning Results	PUB_PLAN_RES_PRE_PROCESS	PUB_PLAN_RES_POST_PROCESS
Collect Sales History	COL_SALES_HST_PRE_PROCESS	COL_SALES_HST_POST_PROCESS
Collect Price List & UOM	COL_PRC_UOM_PRE_PROCESS	COL_PRC_UOM_POST_PROCESS
Publish Forecast	PUB_FCST_PRE_PROCESS	PUB_FCST_POST_PROCESS
Collect PTP Data	COL_PTP_DATA_PRE_PROCESS	COL_PTP_DATA_POST_PROCESS
Publish PTP Results	PUB_PTP_RES_PRE_PROCESS	PUB_PTP_RES_POST_PROCESS
Collect DSM Data	COL_DSM_PRE_PROCESS	COL_DSM_POST_PROCESS
Publish DSM Results	PUB_DSM_PRE_PROCESS	PUB_DSM_POST_PROCESS

ODI packages can return SUCCESS or ERROR codes. For example:

```
:RETCODE := MSC_UTIL.G_ERROR
```

```
:RETCODE := MSC_UTIL.G_SUCCESS
```

Error messages should be passed back through the ERRBUF variable. For example:

```
:ERRBUF := 'Error in Launching the request'
```

ODI Packages

You can customize the following ODI packages:

PREPROCESSHOOKPKG

- POSTPROCESSHOOKPKG

The same ODI package is run regardless of the business function that is called. In order to allow the ODI packages to know which JD Edwards EnterpriseOne instance is transformed and which business process has run, the ODI packages the following parameter is used:

```
<E1 Instance Code>:<concurrent process ID>
```

where the **concurrent process ID** can be obtained from the following table which uses E1B as the JDE E1 instance:

Concurrent Program	Process ID	Example
Collect Planning Data	1	E1B:1
Publish Planning Results	2	E1B:2
Collect Sales History	3	E1B:3
Collect Price List & UOM	4	E1B:4
Publish Forecast	5	E1B:5
Collect PTP Data	6	E1B:6
Publish PTP Results	7	E1B:7
Collect DSM Data	8	E1B:8
Publish DSM Data	9	E1B:9

ODI packages support Jython which enable you to customize the following:

- Operating system commands
- File access
- Internet
- Database connections
- Mail

Shipping Methods

This worksheet defines additional information for transportation between branches and from branches to customers.

This table augments the inter-branch information stored in Distribution.xml and the branch to customer information stored in Customers.xml. This worksheet does not replace the data in these files. A lane must exist in the source xml files to form a valid lane. The data in this worksheet alone will not form a valid lane.

The following table displays Shipping Methods data fields in the user-maintained data spreadsheet:

Field	Key	Type	Related Entities	Description	Where Used
From Branch	Y	Text	Base.xml:branch:branchCode	The source branch, part of the join with the XML files	ShipmentMethod.dat (Sales and Distrib'n)
To Branch	Y	Text	Base.xml:branch:branchCode	The destination branch, part of the join with the Distribution.xml file	ShipmentMethod.dat (Distribution)
To Customer	Y	Text	Customer.xml:customer:customerCode	The customer, part of the join with the Customer.xml file	ShipmentMethod.dat (Sales)
Transport Mode	Y	Text	Distribution.xml:lane:transportMode:transportModeCode	The transport mode, part of the join with the XML files. Must be "Sales" for the branch to customer link.	ShipmentMethod.dat (Sales and Distrib'n)
Transit Time		Real		The time take on this lane for this transport mode	ShipmentMethod.dat (Sales and Distrib'n)
Time UOM Code		Text		The time unit of measure for the transit time	ShipmentMethod.dat (Sales and Distrib'n)
Weight Capacity		Real		The daily weight capacity for this lane/transport mode combination.	ShipmentMethod.dat (Sales and Distrib'n)
Weight UOM Code		Text		The UOM association with Weight Capacity	ShipmentMethod.dat (Sales and Distrib'n)
Volume Capacity		Real		The daily volume capacity for this lane/transport mode combination.	ShipmentMethod.dat (Sales and Distrib'n)
Volume UOM Code		Text		The UOM association with Volume Capacity	ShipmentMethod.dat (Sales and Distrib'n)
Cost per Weight Unit		Real		The cost for each weight UOM	ShipmentMethod.dat (Sales and Distrib'n)
Cost per		Real		The cost for each volume	ShipmentMethod.dat

Field	Key	Type	Related Entities	Description	Where Used
Volume Unit				UOM	(Sales and Distrib'n)
Transport Capacity Over utilization cost		Real		The cost associated with exceeding the capacity constraint	ShipmentMethod.dat (Sales and Distrib'n)

User-Maintained Data

User-maintained data is data that is needed for planning purposes but is not available in JDE E1. This data is maintained in the User Maintained Data.xls file.

Parameters

Parameters define the valid and default values used in the integration.

For more information, see [Appendix A: Parameters Table](#).

User-Maintained Data Spreadsheet

You can maintain data in a spreadsheet which can be used to export the data to a flat file. User-maintained data can be useful for:

- Data which is available in Oracle VCP, but it's not present in JD Edwards EnterpriseOne
- Data which you prefer to represent at the entity level rather than the global level

Data from the user-maintained data spreadsheet must be exported to the same directory as the JDE E1 extracted data.

Launching User-Maintained Data Macros

VCP to JDE E1 Integration is shipped with an Excel template with worksheets for user-maintained data. The Excel template is packaged in the VCP patch and is called E1VCPUDD.exe. It is a self-extracting file that extracts the zip file containing the excel template for user defined parameters.

To launch user-maintained data macros:

1. Click the appropriate worksheet tab for the data you want to export.
 2. Use the VCP, Export Files menu option to export user-maintained data.
 3. You can export the current work sheet or the entire spreadsheet.
 4. If additional data is needed to support on-site extensions, you can create additional worksheets. These worksheets are supported by the export macro.
- Each work sheet requires a header row
 - In order for a column to be exported the header row for that column must be populated

- The exported filename is <worksheet name>.txt

Data Sections

Although user-maintained data is optional, the spreadsheet has set data sections.

Parameters

Parameters define the valid and default values used in the integration.

For more information, see [Appendix A: Parameters Table](#).

Shift Information

In JD Edwards EnterpriseOne, you can associate shifts with resources, but you might want to provide more information about the shift for planning purposes. It is recommended that you should populate this table for all shifts in JD Edwards EnterpriseOne.

The following table displays Shift Information data fields in the user-maintained data spreadsheet:

Field	Key	Type	Related Entities	Description	Where Used
Calendar	Y	Text	OBDWCAL.csv:CalendarKey		WorkPatterns.dat
Shift Number	Y	Integer		The identification of a shift. This value can be null. There should be one null shift for each calendar.	WorkPatterns.dat
Shift Name		Text		Descriptive Name for a shift	WorkPatterns.dat
Shift Description		Text		Description	WorkPatterns.dat

Shift Information Details

Use the Shift Information Details area of the spreadsheet to define the start and end times for shifts. The following table displays Shift Information Details data fields in the user-maintained data spreadsheet:

Field	Key	Type	Related Entities	Description	Where Used
Calendar	Y	Text	OBDWCAL.csv:CalendarKey		ShiftTime.dat
Shift Number	Y	Integer		The identification of a shift. This value can be null.	ShiftTime.dat

Field	Key	Type	Related Entities	Description	Where Used
				There should be one null shift for each calendar.	
From Time		Time		The start time for this shift	ShiftTime.dat
To Time		Time		The end time for this shift	ShiftTime.dat

Resource Groups

Use the Resource Groups area of the spreadsheet to define resource groups for VCP planning.

The following table displays Resource Groups data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description	Where Used
Group Code	Y	Text	The Resource Group Code	DepartmentResources.dat ResourceGroups.dat
Meaning		Text	Resource Group Meaning	
Description		Text	Resource Group Description	
From Date		Date	From Date <default null>	
To Date		Date	To Date <default null>	
Enabled Flag		Text	Valid values are: 1: Yes 2: No	

Resource Group Details

Use the Resource Group Details area of the spreadsheet to associate resources with resource groups.

The following table displays Resource Group Details data fields in the user-maintained data spreadsheet:

Field	Key	Type	Related Entities	Description	Where Used
Group Code	Y	Text		The Resource Group Code	DepartmentResources.dat ResourceGroups.dat
Branch	Y	Text			
Resource	Y	Text	MachineCode, CrewCode, ToolCode in Manufacturing.xml	The machine associated with this resource group.	

Forecast Designators

Use the Forecast Designators area of the spreadsheet to provide information about importing forecasts which are not generated in Demantra.

The following table displays Forecast Designators data fields in the user-maintained data spreadsheet:

Field	Description
Designator	Forecast name
Organization Code	Organization
Source Instance Code	Instance code defined on the planning server
Description	Description
Disable Date	Disables the date for the forecast designator
Demand Class	Name or identifier of a demand class
Consume Forecast	This field specifies whether or not forecast consumption is required. Valid values are: 1: Yes 2: No
Update Type	Forecast update type code. Valid values are: 2: Ship To 3: Bill To 4: Ct. 6: Item
Forward Update Time Fence	Forward consumption days
Backward Update Time Fence	Backward consumption days
Outlier Update Percentage	Forecast outlier update percentage. The value of this field should be less than 100.
Customer Name	Customer Name
Ship To Site Code	Forecast ship code
Bill To Site Code	Forecast bill code
Bucket Type	Valid values are: 1: Days 2: Weeks 3: Periods

Field	Description
Forecast Set	Forecast set name. The value of this field is determined by the forecast versioning architecture.
Probability	Forecast probability

Setup Definitions

This table defines a resource's setups and populates the MSC_ST_RESOURCE_SETUPS table.

The following table displays Setup Definitions data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description	Where Used
Branch	Y	String	Branch Code	MSC_ST_RESOURCE_SETUPS
Resource Code	Y	String	Resource Code	MSC_ST_RESOURCE_SETUPS
Setup Code	Y	String	The Setup Code. An attribute significant to changeovers. For example, 100mm.	MSC_ST_RESOURCE_SETUPS
Set Up Description		String	The description of the set up	MSC_ST_RESOURCE_SETUPS

Setup Allocations

Use this table to define the Setup_Code for RoutingOperations. Changeovers can be defined at the item or category level.

The system checks to see if a setup allocation has been defined for an item. If a setup allocation has not be defined at the system level, the system looks for a record with an item category that points to the Set Up Category parameter.

Using an item category enables you to maintain one record for a group of common products, which reduces maintenance requirements.

The following table displays Setup Allocations data fields in the user-maintained data spreadsheet

Field	Key	Type	Description	Where Used
Branch	Y	String	Branch code	
Change Over Category	Y	String	The category codes for this setup.	
Item	Y	String	The item code for this setup.	
Operation Sequence	Y	Number	The sequence code that identifies the routing operation.	

Field	Key	Type	Description	Where Used
Setup Code	Y	String	The Setup Code associated with records that fit the appropriate criteria.	RoutingOperation.dat

Setup Transitions

This table defines a resource's setups and populates the MSC_ST_SETUP_TRANSITIONS table.

The following table displays Setup Transitions data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description	Where Used
Branch	Y	String	Branch Code	MSC_ST_SETUP_TRANSITIONS
Resource Code	Y	String	Resource Code	MSC_ST_SETUP_TRANSITIONS
from_setup_code	Y	String	The from Set Up Code	MSC_ST_SETUP_TRANSITIONS
to_setup_code	Y	String	The to Set Up Code	MSC_ST_SETUP_TRANSITIONS
standard_operation_code		String	An operation associated with this transition	MSC_ST_SETUP_TRANSITIONS
transition_time		Real	The time for the setup	MSC_ST_SETUP_TRANSITIONS
transition_uom		String	The unit of measure for the transition	MSC_ST_SETUP_TRANSITIONS
transition_penalty		Real	Penalty	MSC_ST_SETUP_TRANSITIONS

Standard Operation Resources

The following table displays Standard Operation Resources data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description	Where Used
Branch	Y	String	Branch code	MSC_ST_STD_OP_RESOURCES
Resource_code	Y	String	Resource code	MSC_ST_STD_OP_RESOURCES
Standard_operation_code	Y	String	Standard operations code	MSC_ST_STD_OP_RESOURCES

Field	Key	Type	Description	Where Used
Resource_usage		Real	Resource usage rate	MSC_ST_STD_OP_RESOURCES
resource_units		Integer	Number of resource units assigned	MSC_ST_STD_OP_RESOURCES
uom_code			Unit of measure for resources	MSC_ST_STD_OP_RESOURCES
schedule_flag			Resource is required for scheduling	MSC_ST_STD_OP_RESOURCES

Standard UOM Conversions

Use the Standard UOM Conversions table to specify non-item based UOM conversions.

The following table displays Standard UOM Conversions data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description
To_UOM	Y	String	To UOM
Unit Type	Y	String	The type of UOM conversion
Conversion Factor		Real	The number of "from UOM" to "To UOM". For instance, from EA to Dozon, the conversion factor would be 12.

Translation Table

Use the Translation Table to specify translations for key fields.

Some of the fields in VCP may not accommodate the full length of the field as it exists in the source system, such as JD Edwards EnterpriseOne. The translations table defines a mapping between the value in the source system and APS.

This table is also used when a user-defined value in JD Edwards EnterpriseOne needs to be translated to the appropriate value for VCP, for example, Work Order Status. The following is an example of how to enter the translations and mappings:

The organization code in VCP has a maximum length of seven characters, but in JD Edwards EnterpriseOne the branch code can be longer. For branches with a code longer than seven characters an entry in the translation table is required. The branch code CRANSTON is longer than seven characters, so a translation is required. The record in the translation table would be as follows:

- Field: ORGANIZATION_CODE
- Source Code: CRANSTON
- VCP Code: CRAN1

The following table displays Translation Table data fields in the user-maintained data spreadsheet:

Field	Key	Type	Description
Field Name	Y	String	<p>The name of the field to be translated. Valid values are:</p> <ul style="list-style-type: none"> • ORGANIZATION_CODE • UOM_CLASS • RESOURCE_CODE • CALENDAR_CODE • UOM_CODE • CATEGORY_SET_NAME • WIP_STATUS_CODE • FORECAST_DESIGNATOR
Source Code	Y	String	The code or value in the source system
APS Code		String	The code or value to be used in the APS system

Appendix A: Parameters Table

The following table provides information about integration parameters:

Parameter ID	Description	Default Value	Format	Where Used
Source_Instance	The value of the source instance.		Text	All legacy files
Field_Delimiter	Delimiter used when combining multiple fields together to form a single value.	+	Char The value cannot be : or a Demantra restricted character	Whenever multiple fields are combined to form single field.
Demantra_Field_Delimiter	The delimiter used to combining multiple fields to form a single value for Demantra.	:	Char	Demantra flat files
E1_Extract_Delimiter	<p>The delimiter used in the JD Edwards EnterpriseOne extracts to form category groups, operations codes, and other concatenated strings.</p> <p>This parameter should not be one of the following:</p> <ul style="list-style-type: none"> : (Demantra concatenation) ~ (flat file delimiter) ' " * used by sql & > < 		Char	Wherever JD Edwards EnterpriseOne extracts concatenated strings.

Parameter ID	Description	Default Value	Format	Where Used
Flat_File_Date_Format	The format of the dates in the Demantra flat-files used in this integration. This must be set to mm/dd/yyyy as this is the format of the Demantra flat-file extracts from JDEdwards EnterpriseOne.	YYYY-MM-DD	String	
Demantra_Target_Date_Format	The format of the dates in the transformed Sales order history file expected by Demantra (DemHistory.dat). This has to be set to DD-MON-YYYY	YYYY-MM-DD	String	Demantra flat files
CP_Company_Name	The default value for Collaboration Company Name (reserved for future use)			•
Effective_From_Date_Offset	This parameter determines effective dates and other fields that need to be set prior to the current date and time.	-10	Integer: < 0	•
Effective_To_Date_Offset	This parameter determines effective dates and other fields that need to be set to a future date.			Resource Group
Calendar_End_Offset	The end date of calendars. The value should be longer than the longest plan in Oracle APS.	+750	Integer: >0	Calendar.dat: Calendar End Date
Quarterly_Calendar_Type	The quarterly calendar type.	3	Valid values are: 1: 445 2: 544 3: Month 4: 13 Periods	Calendar.dat: Quarterly Calendar Type

Parameter ID	Description	Default Value	Format	Where Used
Work_Start_Day	This parameter specifies the calendar's work start day.	1	Valid values are: 1 Monday 2 Calendar Start	Calendar.dat: Week
Calendar_Overwrite_Flag	This parameter specifies whether or not to overwrite an existing calendar.	Y	Valid values are: Y: Yes N: No	Calendar.dat Overwrite Flag
Days_On	The working days in a week.	5	Integer: < 7	WorkDayPatterns.dat
Days_Off	The non working days in week.	2	Integer: < 7	WorkDayPatterns.dat
Demand_Class_Category	The customer category used for Demand Class.		Valid category	TradingPartner.dat Demandclasses.dat DemHistory.dat
Sales_Channel_Category	The customer category that contains the Sales Channel.		Valid category	Sales Channel.dat DemHistory.dat
Operating_Unit_Category	The customer category that contains the Operating Unit.		Valid category	TradingPartnerSite.dat
Item_Default_Category	The item category group used to determine the category_name for items.		Valid category	Item.dat CategorySet.dat
Phantom_Routings_flag	The value to be used for USE_PHANTOM_ROUTINGS in Trading Partners (Organization)	2		TradingPartners.dat
Inherit_phantom_operation_sequence_flag	The value to be used for INHERIT_PHANTOM_OPERATION_SEQUENCE_FLAG in Trading Partners	2		TradingPartners.dat
Base_UOM_Volume	The unit of measure used as the base for Volumes.		Valid UOM	UOM.dat
Base_UOM_Weight	The unit of measure used as the base for Weights.		Valid UOM	UOM.dat
Base_UOM_Count	The unit of measure used as the base for counts.		Valid UOM	UOM.dat

Parameter ID	Description	Default Value	Format	Where Used
Default_UOM_Type	The default unit of measure used when the unit of measure type is null or missing.	Count		UOM.dat
MRP_Calculate_ATP_Flag	Valid values are: 1: Yes 2: No	2	1, 2	Item.dat
ATP_Components_Flag	Valid values are: Y: The item may have a component which requires an ATP check N: No	2	1, 2	Item.dat
Built_In_WIP	Valid values are: 1: Yes 2: No	1	1,2	Item.dat
Repetitive_Type	A flag that indicates whether or not the item is repetitive. Valid values are: 1: Yes 2: No	1	1,2	Item.dat
Safety_Stock_Code	Valid values are: 1: User-defined quantity 2: User-defined percentage, or mean absolute deviation	1	1, 2	Item.dat
Effectivity_Control		1		Item.dat
Inventory_Planning_Code	Valid values are: 3 - MRP planning, 4 - MPS planning, 6 - Not planned, 7 - MRP and DRP planning, 8 - MPS and DRP planning, 9 - DRP planning.	6		Item.dat

Parameter ID	Description	Default Value	Format	Where Used
ATP_Flag	This parameter specifies whether or not this item is used in ATP. Valid values are: 1: Yes 2: No	2	1, 2	Item.dat
Shrinkage_Rate	Percentage of shrinkage for this item	0	0 to 100	Item.dat
Release_Time_Fence_Code	The release time fence code	1		Item.dat
Release_Time_Fence_Days	Release time fence time			Item.dat
Revision	Item revision code			Item.dat
ABC_field_name	This parameter determines which JD Edwards EnterpriseOne ABC fields to use as ABC codes in Oracle EBS.	ABCS	ABCS, ABCI, ABCM	Item.dat
Purchased_Preprocessing_Lead_Time	The purchased pre-processing lead-time.		Integer	Item.dat
Manufactured_Preprocessing_Lead_Time	The manufactured pre-processing lead-time.		Integer	Item.dat
Purchased_Postprocessing_Lead_Time	The purchased pre-processing lead-time.		Integer	Item.dat
Manufactured_Postprocessing_Lead_Time	The manufactured pre-processing lead-time.		Integer	Item.dat
Purchased_Cumm_Total_Lead_Time	The purchased pre-processing lead-time.		Integer	Item.dat
Manufactured_Cumm_Total_Lead_Time	The manufactured pre-processing lead-time.		Integer	Item.dat
ATP_Rule_Code	ATP rule identifier		Text	Item.dat
Carrying_Cost_%_of_standard_cost	The carrying cost as a percentage of cost.		Real	Item.dat
Order_Cost_%_of_standard_cost	The order cost as a percentage of cost.		Real	Item.dat
Demand_Lateness_Cost_%_of_standard_cost	The penalty associated with late demands as a percentage of cost.		Real	Item.dat

Parameter ID	Description	Default Value	Format	Where Used
SS_Penalty_Cost_%_of_standard_cost	The penalty associated with breaching safety stock as a percentage of cost.		Real	Item.dat
Supplier_Cap_Over_Utilization_Cost_%_of_standard_cost	The cost as a percentage of cost for over capacity on a supplier.		Real	Item.dat
Average_Discount	Average Discount		Real	Item.dat
End_Assembly_Pegging_Flag	Valid values are: A: Full pegging B: End assembly or full pegging I: Net by project or ignore excess N: None X: Net by project or net excess Y: End assembly pegging	B	A,B,I,N,X, Y	Item.dat
End_Assembly_Pegging	Valid values are: A - Full pegging, B - End assembly/full pegging, I - Net by project/ ignore excess, N - None, X - Net by project/net excess, Y - End assembly pegging.			Item.dat
Full_Pegging		1	1, 2	Item.dat
MRP_Safety_Stock_Percent				Item.dat
Safety_Stock_Bucket_Days				Item.dat
Exception_Shortage_Days	The period of time to calculate material shortages.		Integer	Item.dat
Exception_Excess_Days	The period of time to calculate excess inventory.		Integer	Item.dat
Exception_Over-promised_Days			Integer	Item.dat
Repetitive_Variance_Days			Integer	Item.dat
BOM_Item_Type		4	Integer	Item.dat

Parameter ID	Description	Default Value	Format	Where Used
ATO_Forecast	Valid values are: 1: Consume 2: Consume and derive 3: None	2	Integer	Item.dat
Acceptable_Early_Delivery	This parameter specifies the Acceptable Early Delivery in days.		Integer	Item.dat
Acceptable_Rate_Increase	This parameter specifies the Acceptable Rate Increase.		Real	Item.dat
Acceptable_Rate_Decrease	This parameter specifies the Acceptable Rate Decrease.		Real	Item.dat
Inventory_Item_Flag		1	Integer	Item.dat
Revision_Quantity_Control_Code	Valid values are: 1: Not under revision quantity control 2: Under revision quantity control	1	1,2	Item.dat
Expense_Account			Text	Item.dat
Inventory_Asset_Flag		N	Integer	Item.dat
Pick_Components_Flag		N	Y, N	Item.dat
Service_Level				Item.dat
Replenish_To_Order_Flag	A flag that specifies that an item is planned as replenish to order. Valid values are: Y N	N	Y, N	Item.dat
Serial_Number_Control_Code		2		Item.dat
PIP_Flag				Item.dat
Substitution_Window	The Substitution Window for the Item			Item.dat
Create_Supply_Flag		1		Item.dat
Critical_Component_Flag				Item.dat

Parameter ID	Description	Default Value	Format	Where Used
Reduce_MPS	Automatically deletes entries in a time period. Valid values are: 1: None 2: Past due 3: Within demand time fence 4: Within planning time fence.		1,2,3,4, <null>	Item.dat
SO_Authorization_Flag				Item.dat
Consigned_Flag		2	1, 2	Item.dat
ASN_Autoexpire_Flag	The ASN (Advanced Shipment Notice) Auto expire Flag. Valid values are: 1: ASN auto-expired 2: ASN not auto-expired	2		Item.dat
Forecast_Horizon		<null>		Item.dat
Budget_Constrained		2	1,2	Item.dat
Days_TGT_Inv_Supply				Item.dat
Days_TGT_Inv_Window				Item.dat
Days_Max_Inv_Supply				Item.dat
Days_Max_Inv_Window				Item.dat
Continuous_Transfer	Continuous inter-organizational transfers. Valid values are: 1: Yes 2: No 3: Use Global Value		1, 2, 3	Item.dat
Convergence	Convergent Supply Consumption Pattern Valid values are: 1: Series 2: Parallel 3: Use Global Value			Item.dat

Parameter ID	Description	Default Value	Format	Where Used
Divergence	Divergent Supply Feeding Pattern Valid values are: 1: Series 2: Series with MTQ 3: Use Global Value		1, 2, 3	Item.dat
Use_Branch_based_Categories	This parameter specifies whether or not branch categories are associated with items in the branch.	No	Yes/No	Category.dat
Planning_Exception_Set		CATCHALL	Text	DepartmentResource.dat
Resource_Balance_Flag	A flag that indicates whether or not a resource is load is balanced.	2	1, 2	DepartmentResource.dat
Resource_Over_Utilization_%	Over Utilization Percent	101	Real	DepartmentResource.dat
Resource_Under_Utilization_%	Under Utilization Percent	0	Real	DepartmentResource.dat
Resource_Shortage_Type	The period of time to calculate resource over-utilization.	180		DepartmentResource.dat
Resource_Excess_Type	The period of time to calculate resources over-utilization.	180		DepartmentResource.dat
Resource_User_Time_Fence	The number of days that planning generates an exception message.			DepartmentResource.dat
Resource_CTP_Flag	A flag indicating whether or not a department resource is used for ATP.	2	1, 2	DepartmentResource.dat
Resource_Over_Util_Cost_%	A percentage of resource costs as a penalty for over-utilization.			DepartmentResource.dat
Resource_UOM	A resource's unit of measure in a model.			DepartmentResource.dat
Resource_UOM_Class_Type				DepartmentResource.dat
Resource_Costing_Basis	Indicates if resource costs are based on Machine or Labor costs.	Machine	Machine or Labor	DepartmentResource.dat

Parameter ID	Description	Default Value	Format	Where Used
Routing_CTP_Flag	A flag that indicates that this routing is used in an ATP calculation.	2	1, 2	Routing.dat
Option_Dependent_Flag		1		RoutingOperation.dat
Component_Rounding_Direction				BOMComponent.dat
Forecast_Demand_Lateness_Cost_%	The percentage of cost incurred when a demand is not filled on time.	<null>	Real	DemandForecast.dat
Forecast_Confidence_Percentage	The confidence percentage. The value of this parameter must be less than or equal to 100.	100	Real 0 to 100	DemandForecast.dat
Forecast_Demand_Satisfied_Date_Field	Date to be used for satisfy date	EndDate	StartDate or EndDate	DemandForecast.dat
Forecast_MAD	Mean absolute deviation of the forecast compared to actual values.			DemandForecast.dat
Forecast_Probability	A value between 0 and 1, which weights the probability of this forecast.	1	0 to 1	DemandForecast.dat
Cost_to_determine_default_transport_cost	The parameter specifies which transporting method cost fields are used to determine the default transport type.	costPerWeightUnit	CostPerWeightUnit, CostPerVolumeUnit, or flatRatePerTrip	ShipmentMethod.dat
Supplier_Preference	Customer Preference can be determined by either Cost or LeadTime	Cost or LeadTime		
Supplier_Source_Ranking_offset	This parameter is added to supplier records so that inter-organizational and supplier rankings do not overlap.	100	Numeric	SourcingRule.dat
Internal_Source_Ranking_offset	This parameter is added to is added to inter-organizational records so that inter-organizational and supplier rankings do not overlap.	0	Numeric	SourcingRule.dat

Parameter ID	Description	Default Value	Format	Where Used
Demand_Satisfied_Date_Field	This parameter points to the field used for the Demand Satisfied Date field.		<null>, startDate, endDate	Demand Forecast.dat
Price_List_Code	The name of the price list.			PriceList.dat
SO_Reservation_Type	Valid values for this parameter are: 1 Soft reservation 2 Hard reservation 3 Supply order reservation	1	1, 2, 3	
SO_Demand_Visible		Y	Y,N	SalesOrder.dat
SO_Forecast_Visible		Y	Y,N	SalesOrder.dat
SO_CTO_Flag	This flag indicates that configure to order is available. Valid values are: 1: Yes 2: No	2	1,2	SalesOrder.dat
WO_Lateness_Cost_%	Work order lateness cost percent as a percentage of itemPrice. This parameter is required to minimize cost.		Real	WorkOrderSupply.dat
Supply_Onhand_VMI_Flag			<null>, 1, 2	Supplyonhand.dat
Base_Time_UOM	The Base Time Unit of Measure	HR		
Master_Branch	This parameter is used when a branch code is needed. For example,\; calendar codes for suppliers and customers which have a branch code in JD Edwards EnterpriseOne but not in Oracle EBS. All items used by forecasting or planning must be set up in this branch, with category codes associated to items.		An JD Edwards EnterpriseOne branch code	TraingPartner.dat (1 and 2)

Parameter ID	Description	Default Value	Format	Where Used
Publish_Plan_Name	The name used to publish plans to JD Edwards EnterpriseOne.	ORCL-APS	String	<ul style="list-style-type: none"> Purchase Plan Detailed Production Plan Deployment Plan
Price_List_Name	The name associated with the price list generated from Customer.xml.	STANDARD_PRICE	String	
Change_Over_Category	The category code used to determine an item's set up code.		String	OperationResource
Set Up Category			String	RoutingOperation
Work_Order_Resource_Supply_Type				
Branch_Operating_Unit_Category	The category code used to determine a branch's operating unit.		String	TradingPartner
Branch_Business_Group_Category	The category code used to determine a branch's business group.		String	TradingPartner
Branch_Legal_Entity_Category	The category code used to determine a branch's legal entity.		String	TradingPartner
Default_Assignment_Set	The sourcing assignment set.		String	ItemSourcing
Valid_QOH_Status_Codes	The status codes used to calculate Quantity on Hand.	Available, Pegged	String	SupplyOnhand.dat
Default_Planner_Number	Assigned when a planner number for an item is unidentified. This planner number must be set up in JD Edwards EnterpriseOne with at least one item loaded into planning.		Number	Items.dat

Parameter ID	Description	Default Value	Format	Where Used
Internal_Transfers_Customer	The customer associated with internal transfers. The value can be <null>, but if populated, it must be a valid JD Edwards EnterpriseOne customer and it must be extracted.		String	SalesOrder.dat
Model_Department_Level	At what level are departments to be modeled at? The options a Branch or WorkCenter	Branch	Branch or WorkCenter	
Default_Forecast_Designator	Where there is no forecast designator associated with a customer/group then this is the forecast designator to be used		Text	
Setting_To_Use_On_Round_Up	The value to be used when roundToWholeNumbers is set to "U"	1	1 or 2	Items.dat
Base_Effective_Date	The date to be used for effective dates. THIS MUST BE A MONDAY	YYYY-MM-DD		

Appendix B: Error Handling and Troubleshooting

This section details possible VCP to JDE E1 Integration failure points.

JD Edwards EnterpriseOne UBE Extracts

After the UBE extracts are complete, use Submitted Jobs to check the .pdf log for errors. UBE extracts must be rerun after the reported error has been resolved.

The Concurrent Program

Collection and publish concurrent programs stop running when an error occurs. An error message indicating the failed component is logged to the concurrent program log file. The concurrent program must be relaunched after the reported error has been resolved.

File Transfers Between ODI and APS or Demantra Directories

Collection and publish concurrent programs stop running when an error occurs. An ODI error log file is generated. This file contains the session number of the failed ODI session and the cause of the error.

Important: Ensure that all directories to which files are being written into are not write protected.

Downstream Concurrent programs

The following downstream concurrent programs may cause errors:

- Legacy ASCP collection programs (pre-processor and ODS load)
- Legacy Demantra collections program for Sales History
- Demantra collection programs for Calendar, Price List and UOM

Collection and publish concurrent programs stop running when an error occurs. An error message indicating the request ID is logged to the concurrent program log file. Search for the failed request in the View Requests form.

Demantra Workflows

Errors could be caused by any of the Demantra workflows. Collection and publish concurrent programs stop running when an error occurs. An error message indicating the workflow execution ID is logged to the concurrent program log file. Search for the failed workflow in the View Requests form.