



PEOPLESOFT ENTERPRISE FINANCIALS, ESA, AND SUPPLY CHAIN MANAGEMENT 9.0 SUPPLEMENTAL APPLICATION INSTALLATION INSTRUCTIONS



PeopleSoft Enterprise Financials, ESA, and Supply Chain Management 9.0 Supplemental Application Installation Instructions

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T A B L E O F C O N T E N T S

Table of Contents i

Preface..... 1

PeopleSoft Enterprise Financials, ESA, and Supply Chain Management 9.0 Supplemental Applicationfic Installation Instructions 1

Part I: Common Elements to Install FMS, ESA, SFO, and SCM Applications 1

Part II: Installing FMS, ESA and SFO Applications 2

Part III: Installing SCM Applications 2

Part I: Common Elements to Install FMS, ESA, SFO, and SCM Applications 3

Chapter 1 4

Installing PeopleTools and Creating The PeopleSoft Enterprise Financials and Supply Chain Management Database 4

Preinstallation Requirements 4

Task Overview 4

Task 1-1: Installing PeopleTools and Creating Your PeopleSoft Financials/SCM Database 5

Chapter 2 7

Configuring Application SQRs and COBOL for DB2 and the OS/390 Server 7

Task Overview 7

Task 2-1: Allocating Data Sets on the OS/390 File System..... 8

Task 2-2: Modifying the JCL Shells 9

Chapter 3 11

Setting Database Requirements to Run the ChartField Configuration Process 11

Task Overview 11

Task 3-1: Defining Settings for Various Databases to Run ChartField Configuration 11

Chapter 4 14

Installing BPEL and Deploying BPEL Processes 14

Task Overview 14

Task 4-1: Selecting and Installing the Software..... 15

Task 4-2: Applying Patches	16
Task 4-3: Configuring and Tuning BPEL Process Manager.....	16
Task 4-4: Restarting the Instance.....	18
Task 4-5: Recording Access Information.....	19
Task 4-6: Creating and Configuring a BPEL Domain	19
Task 4-7: Configuring PeopleSoft for BPEL Integration.....	21
Task 4-8: Deploying FSCM BPEL Processes.....	30

Part II: Installing FMS, ESA, and SFO Applications..... 35

Chapter 5 36

Installing PeopleSoft Enterprise 9.0 General Ledger.....	36
Task Overview	36
Task 5-1: Change a URL Definition for G/L File Imports (optional).....	37
Task 5-2: Define Environmental Variable on Process Scheduler Server.....	37
Task 5-3: Running File Import Processes Using the DB2/390 Database.....	37

Chapter 6 39

Installing and Setting Up Forms Processing for PeopleSoft Enterprise 9.0 Grants	39
Task Overview	40
Task 6-1: Download the Forms from the Sponsor Websites.....	40
Task 6-2: Set Up the Forms URL Maintenance Area in PeopleSoft.....	40
Task 6-3: Enter the Names of the PDF Templates (optional)	41
Task 6-4: Print the Forms (optional).....	42
Task 6-5: View Reports	42

Chapter 7 45

Installing and Setting Up Electronic Submission to Grants.gov for PeopleSoft Enterprise 9.0 Grants (optional)	45
Task Overview	45
Task 7-1: Stop Web Server and AppServer	46
Task 7-2: Copy Customer Connector Files.....	46
Task 7-3: Set Up Environment Variables	47
Task 7-4: Copy Keystore File	47
Task 7-5: Restart Web Server and AppServer	48
Task 7-6: Set Up Gateway	48
Task 7-7: Set Up FTP Server	50
Task 7-8: Set Up URL for Grants.gov Web Services	52
Task 7-9: Turn on Grants.gov enabled flag.....	53
Task 7-10: Set up DUNS Number	54
Task 7-11: Set up AOR.....	55

Chapter 8	57
Installing PeopleSoft Enterprise 9.0 Expenses	57
Task Overview	57
Task 8-1: General Integration Broker configuration	57
Task 8-2: Configure Employee Portal Servlet URL	66
 Chapter 9	 68
Installing PeopleSoft Enterprise 9.0 Mobile Time and Expense	68
Task Overview	68
Task 9-1: Generating the SyncIDs for PeopleSoft Mobile Time and Expense	69
 Chapter 10	 72
Installing PeopleSoft Enterprise 9.0 Pay/Bill Management.....	72
Task Overview	72
Task 10-1: Activating the Delivered Service Operations.....	72
 Chapter 11	 74
Installing PeopleSoft Enterprise 9.0 ESA and Financials Portal Packs.....	74
Task Overview	74
Task 11-1: Grant Access to Navigation Pages	74
Task 11-2: Grant Access to Personalize the Portal Homepage	74
Task 11-3: Enabling Pagelet Creation and Access with Portal Utilities	75
 Chapter 12	 76
Integrating PeopleSoft Enterprise 9.0 Project Costing & Program Management with Microsoft Project 2002.....	76
Task Overview	76
Task 12-1: Installing the PeopleSoft - Microsoft Project Integrator	77
Task 12-2: Configuring the PeopleSoft - Microsoft Project Integrator.....	77
 Chapter 13	 80
Defining an FTP Server for File Attachments in PeopleSoft Enterprise 9.0 Project Costing	80
Task Overview	80
Task 13-1: Defining an FTP Server for Project and Activity File Attachments	80

Chapter 14 82

Installing PeopleSoft Enterprise 9.0 Staffing Front Office 82
Task Overview 82
Task 14-1: Setting Up Document Attachments..... 82
Task 14-2: Setting Up the Verity Search Engine (optional) 84

Chapter 15 85

Installing PeopleSoft Enterprise 9.0 Transaction Billing Processor 85
Task Overview 85
Task 15-1: Turn On the Integration Queues (Channels) and Activate 86
Task 15-2: Turn On the Integration Service Operations (Messages) and Routings and Activate.. 86
Task 15-3: Set up Transformation for Contract Transaction Service..... 91

Chapter 16 95

Integrating PeopleSoft Enterprise 9.0 Maintenance Management with Microsoft Project... 95
Task Overview 95
Task 16-1: Installing PeopleTools process scheduler on a windows machine..... 96
Task 16-2: Installing Microsoft Project 2002 96
Task 16-3: Configuring the MS project integration process 96

Chapter 17 97

Integrating PeopleSoft Enterprise 9.0 Asset Management with eCenterOne Space Management Solution (optional) 97
Task Overview 97
Task 17-1: Installing Target Connector for CenterStone..... 98
Task 17-2: Local Gateway Configuration..... 99
Task 17-3: Configure ECENTERONETARGET Connector Properties 99
Task 17-4: Run Message Channel..... 100
Task 17-5: Activate Domain for Asynchronous Messaging 101
Task 17-6: Activate Routings, Service Operations, and Update Transaction Routings Properties 103
Task 17-7: Test eCenterOne node 104
Task 17-8: Restart Web and Appserver..... 105
Task 17-9: Activate the Space Management Install Option 105
Task 17-10: Verify the Integration 106
ECenterOne Connector Properties..... 124
Peoplesoft delivered NODE Transactions for PSFT_XOUTBND Node 125
Properties for Asynchronous Node Transactions 125
Properties for Synchronous Node Transactions..... 126
Peoplesoft delivered Transactions for PSFT_XOUTBND RELATIONSHIP 126

Chapter 18 127

Integrating PeopleSoft Enterprise 9.0 IT Asset Management with Altiris Inventory Solution 127

Task Overview 127

Task 18-1: Installing Target Connector for Altiris 128

Task 18-2: Local Gateway Configuration 130

Task 18-3: Configure Outbound Node 131

Task 18-4: Configure the Inbound Nodes 133

Task 18-5: Activate Service Operations 135

Task 18-6: Run Message Channel 141

Task 18-7: Activate Domain for Asynchronous Messaging 142

Task 18-8: 3rd Party Integration Setup 144

Task 18-9: Verify the Integration 144

HTTPTARGET Connector Properties 149

Peoplesoft delivered Routing Definitions for PSFT_EP Node 149

Chapter 19 150

Integrating PeopleSoft Enterprise 9.0 Travel and Expense with Travel Partner solutions (optional) 150

Prerequisites 151

Task Overview 151

Task 19-1: Deploy BPEL Travel processes 152

Task 19-2: General Integration Broker configuration 152

Task 19-3: Configure Integration Broker for profile exchange 157

Task 19-4: Configure Integration Broker for itinerary exchange 178

Task 19-5: Deploy ReceivePNR web application to enable Aergo reservation exchange (optional) 186

Task 19-6: Configure Aergo properties 189

Task 19-7: Verify the Integration 189

Part III: Installing SCM Applications 190

Chapter 20 191

Installing PeopleSoft Enterprise eProcurement 9.0 191

Task Overview 191

Task 20-1: Installing eProcurement CUP Item Export 191

Chapter 21 195

Enterprise Quality Application Client 9.0 195

Task Overview 195

Task 21-1: Installing PeopleSoft Quality Application Client 195

Task 21-3: Updating Your Registry Entries to Reference a Network Quality Application Client 201

Task 21-4: Verifying Installation of PeopleSoft Quality	206
Chapter 22	207
Configuring eMail URLs in SCM Applications	207
Task Overview	207
Task 22-1: Configuring eMail URLs for Item Loader Exceptions	207
Task 22-2: Configuring eMail URLs for Supplier Facing Applications Used Within PeopleSoft eSupplier Connection, Collaborative Supply Management, Strategic Sourcing, and Services Procurement	208
Task 22-3: Configuring eMail URLs for eBill Payment	209
Chapter 23	211
Setting Up PeopleSoft Enterprise Supplier Contract Management 9.0.....	211
Chapter 24	213
Setting Up SCM Pagelets	213
Task Overview	213
Task 24-1: Accessing Pagelets	213
Task 24-2: Enabling Pagelet Creation and Access with Portal Utilities	214
Chapter 25	215
Granting Access to Navigation Pages in SCM	215
Task Overview	215
Task 25-1: Adding User Roles to All User IDs	215
Chapter 26	216
Accessing Financials, ESA, and SCM Applications in the 9.0 Enterprise Portal	216

P R E F A C E

PEOPLESOFT ENTERPRISE FINANCIALS, ESA, AND SUPPLY CHAIN MANAGEMENT 9.0 SUPPLEMENTAL APPLICATION FIC INSTALLATION INSTRUCTIONS

This document provides supplemental installation instructions required for PeopleSoft Enterprise Financials (FMS), Enterprise Service Automation (ESA), Staffing Front Office (SFO), and Supply Chain Management (SCM) 9.0 applications.

This document supplements the *PeopleTools 9.0 Installation* guide for your platform. It is divided into three parts:

- Part I: Common Elements to Install FMS, ESA, SFO, and SCM Applications.
- Part II: Installing FMS, ESA and SFO Applications.
- Part III: Installing SCM Applications.

Part I: Common Elements to Install FMS, ESA, SFO, and SCM Applications

- Installing PeopleTools and creating your PeopleSoft Enterprise Financials/SCM Database.
- Configuring Application SQRs and COBOL for DB2 and the OS/390 Server.
- Setting Database Requirements to Run the ChartField Configuration Process
- Installing BPEL and Deploying BPEL Processes

Part II: Installing FMS, ESA and SFO Applications

- Installing PeopleSoft Enterprise 9.0 General Ledger.
- Installing and Setting Up Forms Processing for PeopleSoft Enterprise 9.0 Grants.
- Installing and Setting Up Electronic Submission to Grants.gov for PeopleSoft Enterprise 9.0 Grants (optional)
- Installing PeopleSoft Enterprise 9.0 Expenses.
- Installing PeopleSoft Enterprise 9.0 Mobile Time and Expense and Application Clients.
- Installing PeopleSoft Enterprise 9.0 Pay/Bill Management.
- Installing PeopleSoft Enterprise 9.0 Financials and ESA Portal Packs.
- Integrating PeopleSoft Enterprise 9.0 Project Costing and Program Management with Microsoft Project 2002.
- Defining an FTP Server for File Attachments in PeopleSoft Enterprise 9.0 Project Costing.
- Installing PeopleSoft Enterprise 9.0 Staffing Front Office.
- Installing PeopleSoft Enterprise 9.0 Transaction Billing Processor.
- Integrating PeopleSoft Enterprise 9.0 Maintenance Management with Microsoft Project.
- Integrating PeopleSoft Enterprise 9.0 Asset Management with eCenterOne Space Management Solution (optional).
- Integrating PeopleSoft Enterprise 9.0 IT Asset Management with Altiris Inventory Solution.
- Integrating PeopleSoft Enterprise 9.0 Travel and Expense with Travel Partner solutions (optional).

Part III: Installing SCM Applications

- Installing PeopleSoft Enterprise eProcurement 9.0.
- Installing PeopleSoft Enterprise Quality Application Client 9.0.
- Configuring eMail URLs in SCM Applications.
- Setting Up PeopleSoft Enterprise Supplier Contract Management 9.0.
- Setting Up SCM Pagelets.
- Granting Access to Navigation Pages in SCM.
- Accessing SCM Applications in the 9.0 Enterprise Portal.

P A R T I : C O M M O N E L E M E N T S T O
I N S T A L L F M S , E S A , S F O , A N D
S C M A P P L I C A T I O N S

C H A P T E R 1

INSTALLING PEOPLETOOLS AND CREATING THE PEOPLESOFT ENTERPRISE FINANCIALS AND SUPPLY CHAIN MANAGEMENT DATABASE

This section provides prerequisite installation instructions required to create the Enterprise Financials and Supply Chain Management database.

Preinstallation Requirements

Before you install specific applications, you must install PeopleTools and create your Financials and SCM database. You must also set up the installation defaults and delete the summary trees from the SYSTEM database.

Note. Unless otherwise noted, PT8.48 with minimum patch level 02 or higher is required at Install or Upgrade.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 1-1	Installing PeopleTools and Creating Your PeopleSoft Enterprise Financials/SCM Database

Task 1-1: Installing PeopleTools and Creating Your PeopleSoft Financials/SCM Database

For details, see the PeopleTools PeopleBooks: Installation and Administration Guide for your platform. Consult the chapter, "Creating a Database" to load the PeopleSoft Enterprise Financials, ESA and SCM System database.

PeopleTools Version

The PeopleSoft Enterprise FSCM 9.0 database requires the installation of PeopleTools 8.48 with a minimum patch level 02 or higher.

Note. You may encounter one or more SYSAUDIT exceptions in section PC-9A. These exceptions can be safely ignored.

For example:

PC-9A - Orphan App Pkg PeopleCode - Level 1:

Object Value# Object Value

1 COSTQUERY

2 CostQuery

3 OnExecute

4

5

1 Total Rows

FSCM 9.0 Demo Database Sizing Information by Platform

The following table lists the approximate FSCM 9.0 Demo database size for each platform.

Platform	Approximate Database Size
Oracle ANSI/Unicode	110.8 GB
DB2/Unix – ANSI	30.2 GB
DB2/Unix – Unicode	50.4 GB
DB2/OS390 – ANSI	22 GB

DB2/OS390 – Unicode	28.5 GB
Sybase – ANSI	17 GB
Informix	11.7 GB
Microsoft SQL Server – Unicode	12.3 GB
Microsoft SQL Server – ANSI	6.3 GB

Note. It is recommended that the Database Size Heap for the DB2/Unix platform *only*, should be increased to 20,000 (minimum) to avoid any temporary table failure during Demo database creation.

PeopleSoft Financials/SCM on Sybase

Important! PeopleSoft Financials/SCM requires a minimum 4K page size on Sybase.

EDM Pool Considerations

The PeopleSoft installation procedure places all tables for the product you are installing into multiple, physical DB2 for OS/390 databases using a shared table space methodology. Depending on the applications you are installing, the DB2 subsystem could have a minimum EDM Pool Size of 10 – 30 MB.

Set Up Installation Defaults Scripts for FSCM 9.0 System Database

Run the following script against the SYSTEM (SYS) database only for Financials/Supply Chain Management:

- **EPINSSYS.DMS – Installation Defaults:** This script establishes the installation defaults for the database. This only runs against the SYSTEM (SYS) database.

Delete Summary Trees Scripts for FSCM 9.0 System Database

Run the following script only against the SYSTEM (SYS) database only for Financials/Supply Chain Management:

- **EPCLNTRE.DMS - Tree Definitions:** This script deletes all of the summary trees from the database. This only runs against the SYSTEM (SYS) database.

CONFIGURING APPLICATION SQRs AND COBOL FOR DB2 AND THE OS/390 SERVER

Note. This section applies to Financials product customers using the DB2 OS/390 database platform who want to run SQR and COBOL processes on the OS390 Server that require reading of and/or writing to external files.

For both SQR and COBOL processing on the DB2 OS/390 server, standard JCL templates are provided used by the Process Scheduler to submit jobs in the OS/390 server. These shells accommodate basic input and output files determined by the program engines themselves, but for those SQR and COBOL processes that require special input and/or output files, additional modifications must be made to the JCL templates to accommodate these files.

PeopleSoft Enterprise General Ledger and PeopleSoft Enterprise Cash Management both contain several of these special files in certain SQR processes. In order to accommodate these files, data sets must be pre-allocated on the OS/390 file system as well as modifications that must be made to the JCL shells.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 2-1	Allocating Data Sets on the OS/390 File system
Task 2-2	Modifying the JCL Shells

Task 2-1: Allocating Data Sets on the OS/390 File System

Sequential or partitioned data sets can be used in COBOL and SQR processing. The DISP parameter in the JCL is critical to the successful execution of a JCL job submission, and very sensitive to the data set disposition at the initiation of the job. For this reason, we strongly recommend the use of a partitioned data set, rather than sequential data sets - particularly for output files, and for input files, when the existence of the actual file drives the processing path that the program takes.

The same JCL Shells are shared by all like processes, and an invalid file disposition can prevent all processes from executing successfully, not just the process that actually uses the file. For this reason we recommend using DISP=SHR in the JCL Shells, which will be discussed later. DISP=SHR presumes that the data set exists at the time a job execution is initiated. If the data set does not exist, a JCL error will occur. For a PDS, the individual member does not need to exist, only the root data set. If the member does not exist, it will automatically be created by the OS/390 file management system.

Partitioned data sets should be allocated including the following attributes:

- The record format should be variable block (RECFM=VB).
- The record length should be slightly wider than the record length of the file, as defined within the SQR itself. Refer to the table below for SQR LRECL definitions.
- The data set name type should be PDS (DSORG=PO).

Example of JCL statement to allocate a PDS:

```

//*
//PDSALL DD DSN=PSHLQ.PPVVV.SQRFILES,
//        DISP=(,CATLG,DELETE),
//        DCB=(DSORG=PO,RECFM=VB,LRECL=500),
//        VOL=SER=,
//        SPACE=(TRK,(200,95,75),RLSE),
//        UNIT=SYSDA
// *

```

The table below details the information that can be used to both pre-allocate the data set, and modify the JCL Shells for FMS in the next step.

PeopleSoft Enterprise Product	SQR or COBOL Program Name	DD Card Name (File name passed from within the program - limited to 8 characters with no special characters.)	Data Set Type / Record Format / Record Length	Member Name or Random name (Random name will use a member name of: A%INSTANCE%)
General Ledger	GLS7500	Defined and entered by the customer.	PDS/VB/850	Specific Member name (OUTPUT FILE)
Treasury	ECIN0001	Defined and entered by the customer.	PDS/VB/500	Specific Member name (OUTPUT FILE)

The table below details the information that can be used to both pre-allocate the data set and modify the JCL Shells for SCM in the next step.

PeopleSoft Inventory:

SQR or COBOL Program Name	DD Card Name (file name passed from within the program - limited to 8 characters with no special characters)	Data Set Type / Record Format / Record Length	Member Name or Random name (random name will use a member name of: A%INSTANCE%)
INS9050	INCOUNT	PDS/VB/250	Specific Member name (INPUT FILE)
INS9051	INCOUNT	PDS/VB/250	Specific or Random Member name (OUTPUT FILE)
INS9080	INFCST	PDS/VB/250	Specific or Random Member name (OUTPUT FILE)
INS9081	INFCST	PDS/VB/250	Specific Member name (INPUT FILE)

PeopleSoft Manufacturing:

SQR or COBOL Program Name	DD Card Name (file name passed from within the program - limited to 8 characters with no special characters)	Data Set Type / Record Format / Record Length	Member Name or Random name (random name will use a member name of: A%INSTANCE%)
SFS1100	SELPID	PDS/FB/183	Specific Member name (OUTPUT FILE)
SFS1600	SELPID	PDS/FB/183	Specific Member name (OUTPUT FILE)

Task 2-2: Modifying the JCL Shells

There are three shells delivered with PeopleSoft 8. One for COBOL: SHELCBL.JCT, and two for SQRs: SHELSQRF.JCT and SHELSQRP.JCT. The shells are located in the <PS_HOME>/appserv/prcs/shelljcl directory in Unix System Services.

For each file, for each program to be run with that JCL shell, the shell itself must be modified with the appropriate DD statement name, and corresponding data set name. For example, if there are 6 SQRs that reference a total of 10 special input or output files, and these SQRs use the SHELSQRF.JCT JCLshell, then 10 DD statement cards will need to be added to the appropriate section of the SHELSQRF.JCT file.

Below is an example of the edit required in JCL shell SHELSQRF.JCL to accommodate special files referred to as INSQR1 and INSQR2 in the SQR programs.

```

//*CTRANS DD DSN=&SQRHLQ. . LI NKLI B, DI SP=SHR
//SQRD I R DD DSN=&SQRHLQ. . ERRDAT, DI SP=SHR
//SI DD DSN=&PSHLQ. . SQRI NC, DI SP=SHR
//SYSTEM DD SYSOUT=*
//SYSOUT DD SYSOUT=*
//DBGLOG DD SYSOUT=*
//SYSTMPDB DD UNI T=WORK, SPACE=(TRK, 25) VS1 ONLY
//SP DD DSN=&PSHLQ. . SQR SRC (&SQRI D), DI SP=SHR
/* ADD DD STATEMENTS HERE FOR LI BRARY CONCATENATI ON
/*
//SYSTEM DD SYSOUT=*
/*
%SQROUT%
/*
//SQRPOST DD DSN=&SQRHLQ. . DAT (POSTSCRI ), DI SP=SHR
//SYSERR DD SYSOUT=*
//SYSTSI N DD DSN=&PSHLQ. . PARMLI B(NOPARMS), DI SP=SHR
//SYSI N DD DSN=&PSHLQ. . PARMLI B(&PRMI D), DI SP=SHR
//SQRI NI DD DSN=&PSHLQ. . SQR SRC (PSSQRI NI ), DI SP=SHR
//I NSQR1 DD DSN=&PSHLQ. . I NSQR PDS(A%I NSTANCE%), DI SP=SHR
//I NSQR2 DD DSN=&PSHLQ. . I NSQR PDS(I NF I LE), DI SP=SHR
// PEND
/*
//%PRCSNAME% EXEC SQRPROC, SQRI D=%PRCSNAME%
//SYSTSI N DD *
DSN SYSTEM(%DB2SUB%)
RUN PROG(SQR) -
PLAN(SQRPLAN) -
LI B(' SYS5. SQR614B1. SQR. UNI CODE. LOAD' ) -
%SQRFLAGS%
END
/*
//SYSI N DD *
%SQRPARMS%
/*

```

If you have already configured a Process Scheduler, the shells used by that configuration can be found in:
 <PS_HOME>/appserv/prcs/<process schedul er name>/shel l j cl .

Note. You must stop and restart the Process Scheduler in order for the edits in the JCL shells to take effect.

SETTING DATABASE REQUIREMENTS TO RUN THE CHARTFIELD CONFIGURATION PROCESS

Due to the large number of updates performed by the ChartField Configuration Application Engine program (FS_CFCONFIG), you might encounter certain database errors when running the program. This is particularly true if you are adding or deleting ChartFields in your configuration. To address this, we recommend the following database settings as a starting point; however, you may need to adjust these upward if you encounter errors while running the utility.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 3-1	Defining Settings for Various Databases to Run ChartField Configuration

Task 3-1: Defining Settings for Various Databases to Run ChartField Configuration

Recommended Settings for Oracle When Running ChartField Configuration

- Rollback or UNDO Tablespace = 1536MB.
- Rollback Segment sizing: Initial Extent + (Next Extent * Maxextents) = 1024MB (approximate).

- dml_locks = 1024 (set in init.ora).
- Changing the dml_locks setting requires recycling the instance.

Recommended Settings for Informix When Running ChartField Configuration

- Log Space = 2800MB.
- LOCKS = 2,500,000.

Recommended Settings for Sybase When Running ChartField Configuration

- Log Space = 2000MB.
- Tempdb = 5000MB.

Recommended Settings for DB2/Unix When Running ChartField Configuration

- Update the locking mode to share: **db2set DB2_RR_TO_RS = yes** (This sets Lock mode requested = Next Key Share (NS)).
- Include the following command in the DBMCFG.SQL configuration file: UPDATE DBM CFG USING QUERY_HEAP_SZ 64000.
- Log file size (4KB) (LOGFILSIZ) = 24000
- Number of primary log files (LOGPRIMARY) = 20
- Use the following minimum Tablespace sizes (these may need to be increased):
 - BDAPP: 9720
 - BDAPPIDX: 2680
 - BDLARGE: 1191
 - FAAPP: 11312
 - FSLARGEIDX 13568
 - LCAPP: 28572
 - LCAPPIDX: 2600
- Recycle the instance after changing the settings.

Recommended Setting for DB2/OS390 When Running ChartField Configuration

- No changes recommended.

Recommended Setting for MSS 2000 When Running ChartField Configuration

Log Space = 1500MB.

INSTALLING BPEL AND DEPLOYING BPEL PROCESSES

This guide explains the steps necessary to configure the Oracle's PeopleSoft/BPEL integration for PeopleSoft Enterprise Financials and Supply Chain Management (FSCM) 9 applications. You perform the steps in this guide after you have successfully completed installation of PeopleTools, as described in the Enterprise PeopleTools 8.48 Installation guide for your database platform, and the FSCM Applications.

Oracle's PeopleSoft/BPEL integration involves two primary technologies: PeopleSoft Integration Broker and Oracle's BPEL Process Manager. Both of these technologies must be configured. This guide covers a simple configuration of the PeopleSoft/BPEL integration.

It is possible to obtain the BPEL Process Manager (PM) from two different sources – JDeveloper Install and the Oracle OAS Middle-tier Install (version 10.1.2.0.2). The JDeveloper BPEL PM is used more for development and unit testing but can also be used for a simple environment with minimum workload.

The PeopleSoft Integration Broker configuration can be complex. In a production environment for example, it is recommended that you separate the service operation requests on a dedicated PeopleSoft environment (accessing the same database so that interactions by users through PIA do not impact the performance of service operation fulfillment). However, for a simple environment, it is possible to have the Integration Broker application services share the PIA application servers.

Task Overview

The following tasks detail the process for installing and configuring Oracle's BPEL Process Manager.

Task No.	Task Name
Task 4-1	Selecting and Installing the Software
Task 4-2	Applying Patches
Task 4-3	Configuring and Tuning BPEL Process Manager
Task 4-4	Restarting the Instance

Task 4-5	Recording Access Information
Task 4-6	Creating and Configuring a BPEL Domain
Task 4-7	Configuring PeopleSoft for BPEL Integration
Task 4-8	Deploying FSCM BPEL Processes

Task 4-1: Selecting and Installing the Software

The BPEL Process Manager (PM) is found as part of two different products: Part of the 10.1.2.0.2 JDeveloper installation or the Oracle Middle Tier OAS installation (10.1.2.0.2). JDeveloper is for simple testing and BPEL Development while the middle-tier should be used for a production environment. The BPEL PM found with JDeveloper can be used for simple environments with minimal workload. For any other environment, it is recommended that the OAS Middle-tier be used. The JDeveloper's BPEL PM is available with minimal setup requirements while the OAS Middle-tier requires additional planning for installation. The software is available on Oracle's Software Site – <http://otn.oracle.com/bpel>.

Please review the installation documentation for your selected software and perform the installation of the software as per the corresponding installation guide.

Your PeopleTools 8.48 license grants you a design time use license of the Oracle BPEL Process Manager 10.1.2.0.2 for OC4J. The Oracle BPEL Process Manager is a standards-based process orchestration and integration solution that provides the foundation for developing and deploying services-oriented and web service-enabled integrations. The Oracle BPEL Process Manager provides native support for BPEL 1.1 in combination with broad web service standard support to ensure interoperability with other BPEL and Web Service compliant solutions.

The developer version of Oracle BPEL Process Manager 10.1.2.0.2 for OC4J is the BPEL engine that is referenced in this chapter. The Oracle BPEL Process Manager Developer Edition provides restricted design time use. Runtime use requires purchase of BPEL Process Manager 10.1.2.0.2. It is recommended that you check your Oracle PeopleSoft license agreements to see if you are licensed to use Oracle BPEL Process Manager for runtime purposes. If you are licensed to use this product, you may download it from the Oracle web site.

While installing the BPEL Process Manager environment and the PeopleSoft Enterprise environment, please make sure to note the installation directories you selected for the install. Throughout the remainder of this chapter, the BPEL PM installation directory is referred to as *<BPEL_PM_HOME>* and the PeopleSoft Enterprise installation directory is referred to as *<PSHOME>*.

Note. If you are running the BPEL PM in an environment which requires proxy servers, please make sure that you have followed the instructions for configuring your BPEL PM (and supporting command line environments) for a proxy environment.

See Also: *Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Integration Broker*

Enterprise PeopleTools 8.48 Installation for <your database platform>

Oracle Application Server Integration Installation Guide for Oracle BPEL Process Manger

Task 4-2: Applying Patches

While the Oracle Middle Tier OAS installation (10.1.2.0.2) and/or Jdeveloper (10.1.2.0.2) provide the core functionality necessary to integrate BPEL with the Oracle's PeopleSoft system, additional patches, if any, must be installed.

BPEL integration patches (whether specific to BPEL Process Manager or Oracle's PeopleSoft BPEL integration) are available via Customer Connection. It is actually recommended that all available patches be applied prior to the deployment of the PeopleSoft BPEL processes.

Task 4-3: Configuring and Tuning BPEL Process Manager

This task primarily involves the BPEL PM found as part of the Oracle OAS Middle-tier product. The middle-tier requires special configuration needs. These are extensive and not covered here.

See Oracle Application Server Integration Installation Guide for Oracle BPEL Process Manager.

This section discusses:

- Adjusting the JTA Transaction Timeout.
- Tuning the JVM.

Adjusting the JTA Transaction Timeout

The BPEL engine uses JTA to achieve the atomicity. By default the transaction timeout value is set to 60000 milliseconds in the server.xml file (30000 milliseconds in the app server). For the developer edition, this is located at

`<BPEL_PM_HOME>/integration/orabep1/system/appserver/oc4j/j2ee/home/config/server.xml.`

Sometimes users may experience transaction rollback error due to timeouts, especially when the BPEL engine is under stress. The timeout can happen for many reasons.

- Insufficient resources: not enough database connections in connection pool, engine thread waits for 60 seconds and throws timeout error, etc.
- Large document manipulation: Database writes of very large documents may take longer than 60 seconds.

The line in the server.xml file appears as follows: `<transaction-config timeout="60000" />`

A value of '300000' milliseconds is recommended.

Note. The remaining steps of the Task 4-3 are primarily for the Middle-Tier environment. If you are using the JDeveloper BPEL PM, you may skip to Task 4-4.

Tuning the JVM

The heap size controls how much memory the JVM can use. The initial value is 256 megabytes. The `-XX:+AggressiveHeap` option inspects the machine resources (size of memory and number of processors) and attempts to set various parameters to be optimal for long-running, memory allocation-intensive jobs.

The garbage collector optimizes collection by classifying objects by how long they live. Most of the BPEL engine's objects are short lived, thus they live in the "Eden" space. We recommend sizing the "Eden" space to be 60 to 70 percent of the total heap size. Here are the JVM command line options used: `-Xms1024m -Xmx1024m -Xmn614m -XX:+AggressiveHeap`

To change the Java command line options for an OC4J Instance, go to the OC4J instance homepage and perform the following steps:

1. Stop the OC4J Instance.
2. Drill down to the Server Properties page.
3. In the Command Line Options area of the Server Properties page, under the heading Multiple VM Configuration, set the Java Options.

For example, enter the following to set the JVM initial and maximum heap sizes to 2048 megabytes; and for garbage collection, set the eden space to 60% of heap size: `-Xms2048m -Xmx2048m -Xmn1228m`

4. If using 2 or more than 2 CPUs, please `-XX:+AggressiveHeap` jvm flag adjacent to the above command.
5. Click the Apply button to apply the changes.
6. Start the OC4J Instance.

Multiple VM Configuration

Islands

Select	Island ID	Number of Processes
<input checked="" type="radio"/>	default_island	2
<input type="radio"/>	tester	2

[Remove](#) [Related Links](#)
[Virtual Machine Metrics](#)

[Add Another Row](#)

Ports

RMI Ports	3101-3200
JMS Ports	3201-3300
AJP Ports	3001-3100

Command Line Options

Java Executable	
OC4J Options	-properties
Java Options	-Xms128m -Xmx128m

Configuration File Paths

RMI Configuration File	./rmi.xml
JMS Configuration File	./jms.xml

[Revert](#)

[Apply](#)

Setting Java Heap Size for an OC4J Instance Using Application Server Control

You should set your maximum Java heap size so that the total memory consumed by all of the JVMs running on the system does not exceed the memory capacity of your system. If you select a value for the Java heap size that is too large for your hardware configuration, one or more of the OC4J processes within the OC4J Instance may not start, and Oracle Enterprise Manager Application Server Control reports an error. Review the log files for the OC4J Instance in the directory <BPEL_PM_HOME>/opmn/logs, to find the error report, *Could not reserve enough space for object heap*.

Task 4-4: Restarting the Instance

At this point, rebooting the machine or restarting the middle-tier instance is required in order for all configuration settings to take effect. Please see the OAS Middle-tier documentation on how to perform this operation.

If the JDeveloper's BPEL PM is used, merely stopping and restarting the BPEL Process Manager is all that is required. For example on a Microsoft environment, select Start→Programs→<your installation name given at install time>→ Oracle BPEL Process Manager 10.1.2→ Stop BPEL PM Server (waiting for the BPEL PM to shutdown) followed by Start→Programs→<your installation name given at install time>→Oracle BPEL Process Manager 10.1.2→Start BPEL PM Server.

Please make sure your BPEL PM has completed its initialization prior to starting the next steps.

Task 4-5: Recording Access Information

At this point, please note the host and port information used to access your BPEL PM. This information is used later when configuring the BPEL processes for deployment. The host and port information is the same as that used when accessing the BPEL Console. For example, the default URL for accessing the BPEL Console from a JDeveloper installation is as follows:

<http://yourhostname:9700/BPELConsole>

Where the hostname is "yourhostname" and the port is "9700." For the JDeveloper BPEL PM, the port used is always 9700; however, the port used by the middle-tier product is configurable.

Task 4-6: Creating and Configuring a BPEL Domain

This step involves creating a BPEL domain to which the FSCM BPEL processes will be deployed. It is possible to use the "default" domain (which is delivered with the BPEL PM installation), however, it is recommended that a new BPEL domain be created for this installation.

Note. At this point, the BPEL PM must be available in order perform the following steps. The BPEL PM must be started prior to creating the BPEL domain and remain available throughout the BPEL deployment process.

This section discusses:

- Creating a New BPEL Domain.
- Setting the Domain's auditLevel.

Creating a New BPEL Domain

Through the BPEL Administrator console (<http://yourhostname:port/BPELAdmin>), select the BPEL Domains tab and select Create New BPEL Domain.

ORACLE BPEL Admin Logout | Support

Server **BPEL Domains** Threads

Related Tasks	Deployed Domains			
	BPEL Domain ↓	Active Processes	Open Instances	Closed Instances
<ul style="list-style-type: none"> ○ Create New BPEL Domain ○ Delete BPEL Domain 	default	2	0	0

BPEL Admin — BPEL Domains page

Create an installation domain and note both the Domain ID and the password that you specify (these values are used later in the PeopleSoft configuration). Use the default values populated in the other fields on the “Create New BPEL Domain” form. Once you select the **Create** button, a popup window appears asking for confirmation of data. Select the **OK** button to confirm and wait for the window indicating that the creation of the new domain is complete.

Note. If you cannot connect to the BPEL Administrator console, the most likely cause is the BPEL Process Manager has not been started. Please make sure that the BPEL Process Manager is available throughout the installation process.

Setting the Domain’s auditLevel

This property controls the number of audit events logged by a process. It greatly impacts the performance due to the additional auditing events inserted into the database for a process. This audit information is only for view purpose from BPEL Console to show the state of the process. This configuration property’s default value is *development*. It should be changed to *production*. With this value, all events are logged. The audit details for <assign> activities alone are not logged.

To perform this operation, log into the domain via the BPEL Console (<http://yourhostname:port/BPELConsole>) and select the **Manage BPEL Domain** hyperlink at the top of the page. On the Configuration tab, edit the **auditLevel** property and set to *production*. Click **Apply** to activate the settings.

BPEL Domain: default
 Statistics: [2 Active Processes](#) | [0 Retired Processes](#)
 Build version: 10.1.2.0.2 [build #2196] - type: release

Configuration | Password | XPath Library | Logging | Threads | Statistics | Adapter Stats

Configuration Descriptor of this BPEL Domain

Property	Name	Value	Comment
auditDetailThreshold	Audit trail details logging threshold	<input type="text" value="50000"/>	<p>The maximum size (in KiloBytes) an audit trail details string can be before it is stored separately from the audit trail. If a details string is larger than the threshold it will not be immediately loaded when the audit trail is initially retrieved; a link will be displayed with the size of the details string.</p> <p>Typically, the details string will contain the contents of a BPEL variable. In cases where the variable is very large performance may be severely impacted by logging it to the audit trail.</p> <p>The default value is 50 kilobytes.</p>
auditLevel	Audit trail logging level	<input type="text" value="production"/>	<p>Controls the amount of audit events logged by a process; currently supported logging levels are:</p> <ul style="list-style-type: none"> • off - absolutely no logging performed whatsoever; may result in a slight performance boost for processing instances. • minimal - all events are logged; however, no audit details are logged. • production - all events are logged. The audit details for <i>assign</i> activities are not logged; the details for all other nodes are logged.

BPEL Console — Configuration page

Task 4-7: Configuring PeopleSoft for BPEL Integration

While not a requirement for a simple environment, it is recommended that a special application/web server environment be configured as a dedicated environment for providing FSCM services. This ensures that user interaction with the PIA environment does not affect the performance of the service operations. However, for simple environments, it is acceptable to use the default local Integration Broker Gateway and the application servers used by the PIA.

Note. The remainder of the installation steps requires the PIA environment to be available. Administrators must be able to log into the environment in order to configure the PeopleSoft Integration Broker. Also, the deployment process performed on the BPEL PM requires access to the PeopleSoft service details which are accessed via the PeopleSoft Integration Broker. Please make sure that the PeopleSoft environment is completely available throughout the remainder of the installation.

This section discusses:

- Configuring Special PeopleSoft Server Environment.

- Configuring Integration Broker Gateway.
- Confirming Access to Integration Broker.
- Configuring Enterprise Service Setting.
- Configuring the “BPEL” Node.
- Activating Web Services.
- Verifying Simple Access to Integration Broker.

Configuring Special PeopleSoft Server Environment

In this step, we configure a special server (web and application server) environment to provide PeopleSoft services.

Note. This step can be skipped if the existing PeopleSoft environment used by the PIA users is to be used by service operations.

See Also: *Enterprise PeopleTools 8.48 PeopleBook*: PeopleSoft Integration Broker

Configuring Integration Broker Gateway

To configure the default gateway, navigate to PeopleTools → Integration Broker → Configuration → Gateways.

If you are using single application server environment, confirm the Local gateway URL for proper configuration - <http://yourhostname:port/PSIGW/PeopleSoftListeningConnector>.

Gateways

Gateway ID: LOCAL

Local Gateway Load Balancer

URL:

http://rtas069.peoplesoft.com:8000/PSIGWPeopleSoftListeningConnec

Ping Gateway

[Gateway Setup Properties](#)

Load Gateway Connectors

Connectors				
*Connector ID	Description	*Connector Class Name	Properties	
1	SMTPTARGET	SMTPTargetConnector	Properties	+ -
2	FILEOUTPUT	SimpleFileTargetConnector	Properties	+ -
3	PSFTTARGET	PeopleSoftTargetConnector	Properties	+ -
4	LDAPTARGET	LDAPTargetConnector	Properties	+ -
5	JMSTARGET	JMSTargetConnector	Properties	+ -
6	HTTPTARGET	HttpTargetConnector	Properties	+ -
7	GETMAILTARGET	GetMailTargetConnector	Properties	+ -
8	FTPTARGET	FTPTargetConnector	Properties	+ -
9	AS2TARGET	AS2TargetConnector	Properties	+ -
10	PSFT81TARGET	ApplicationMessagingTargetConnector	Properties	+ -

Gateways page

Save the changes. On save, the system displays the following message: *No connectors detected. Do you wish to attempt to load them?* Accept the message.

No connectors detected. Do you wish to attempt to load them ? (158,11016)

OK

Cancel

No Connectors Detected message

At that point, go to the Gateway Setup Properties (follow the instructions on the page to log in) and configure the default application server for the application server you are using:

PeopleSoft Node Configuration

URL: http://rtas069:8000/PSIGWPeopleSoftListeningConnector

Gateway Default App. Server			
Web Server URL	User ID	Password	Tools Release
//<machine name>:<jolt port>	<database use		<peopletools re

PeopleSoft Node Configuration page

See the PeopleSoft guide for configuring the Integration Broker on how to set up a gateway.

Confirming Access to Integration Broker

Once the environment is configured, you should be able to “ping” the Integration Broker gateway by using the host/port information for the environments application server. From a browser, you should be able to type the following type of URL:

<http://yourhostname:port/PSIGW/PeopleSoftListeningConnector>

If you see the following output in the browser, the Integration Broker is available for further configuration.

PeopleSoft Integration Gateway

PeopleSoft Listening Connector
Tools Version : 8.48-804-R2
Status: ACTIVE

[PeopleSoft Integration Gateway Status](#)

Note. Please remember the hostname and port information for your Integration Broker, as it will be used later to configure the BPEL processes for deployment.

Configuring Enterprise Service Setting

In this step, the default service configurations are changed by navigating to PeopleTools → Integration Broker → Configuration → Service Configuration. On this page, change the following:

- Service Namespace to “<http://xmlns.oracle.com/Enterprise/FSCM/service>”
- Schema Namespace to “<http://xmlns.oracle.com/Enterprise/FSCM/schema>”
- Target Location to <http://yourhostname:port/PSIGW/PeopleSoftServiceListeningConnector>

Note. If the gateway services multiple application databases, the service URLs will need to include the corresponding nodes to be used in order to process the services. The target location should include the node here before providing services.

Service Configuration | UDDI Configuration | Restricted Services

*Service Namespace:

*Schema Namespace:

*Target Location:

Example: http://<machine>:<port>/PSIGW/PeopleSoftServiceListeningConnector

Alternate Example: http://<machine>:<port>/PSIGW/PeopleSoftServiceListeningConnector/<defaultlocalnode>

*Service System Status:

Last Updated: UPG Last Update Date/Time: 01/10/2006 1:13:51 PM

 Save

Service Configuration | [UDDI Configuration](#) | [Restricted Services](#)

[Service Configuration page](#)

Note. The Target Location URL uses “PeopleSoftServiceListeningConnector” contrary to the “PeopleSoftListeningConnector” which was used as part of the Integration Broker Setup.

Configuring the “BPEL” Node

The Integration Broker node, called “BPEL,” is used to communicate to the BPEL engine and must be configured properly to point to the BPEL PM. To do this, navigate to PeopleTools→Integration Broker→Integration Setup→Nodes and open the “BPEL” node. Once on that page, select the **Properties** hyperlink. On that page, enter the following information:

- BPEL Console URL (used earlier to configure the domain)
- BPEL Domain (target deployment domain)
- BPEL Domain Password

Node Properties

Node Name BPEL

Properties				
*Name	Type	*Property Name	Value	Comment
1	Category	BPELCONSOL	http://id:port/BPELConsole	
2	Category	BPELDOMAIN	default	
3	Category	_DOMAINPWD	bpel	

OK Cancel

[Node Properties page](#)

Activating Web Services

Understanding Web Service Activation

This section involves activating the required web services to support the BPEL process deployment and runtime operations. There are three categories of web services that must be activated for the complete BPEL integration: PeopleTools, BPEL Infrastructure, and application-specific. Activation of PeopleTools and BPEL Infrastructure web services must be performed during this installation step; however, application-specific web service activation can be deferred.

Please use the following steps to activate the web services mentioned below:

1. Navigate to PeopleTools→Integration Broker→Integration Setup→Service Operations. Enter the service operation you wish to activate in the Service Operation field and press Search. Select the service operation from the results area.
2. On the General page that appears, select the **Active** field.

Note. For asynchronous operations, please remember the queue(s) found in the Message Information section, so that these queues can be placed in a Running state in a later step.

3. On the Handlers page, make sure that any handler listed is set to *active*.
4. On the Routings page, make sure that the listed routing is active (if multiple routings exist, only one should be active). If the routing for the service operation does not have a status of *Active*, select the routing to be activated (use the first routing if multiple routings exist) and press the **Activate Selected Routings** button.
5. Select **Save** to store your changes.
6. (For asynchronous service operations only) Navigate to PeopleTools→Integration Broker→Service Operations Monitor→Administration→Queue Status. On the Queue Status page, make sure that the queue that the service operation uses is in *Running* status. If the queue is not running, press the corresponding **Run** button.

As mentioned earlier, you can find the name of the queue that an asynchronous service operation uses on the General page for that service operation.

Note. As a reminder, please make sure that the handlers and routings are activated for the service operations. Activating the service operation does not automatically activate the corresponding handlers or routings. Also, if an operation, handler, routing or queue is already active, no action is required for that item.

Confirming PeopleTools Web Service Availability

For basic BPEL process deployment and typical BPEL process operations, the following PeopleTools Service Operations (and their corresponding routings) must be activated:

- GETROUTINGS

- GETSCHEMA
- GETWSDL
- GETWSIL
- GETXSLT
- SAVEXSLT

The following corresponding Integration Broker Queues should also be in a *Running* state:

- IB_CHNL
- IB_GENERIC
- WSDL_QUEUE

To verify whether a queue is running:

- Navigate to PeopleTools→Integration Broker→Service Operations Monitor→Queue Status.
- Click the **Find** link in the **Queues** grid.
- Enter the *Queue Name* in the Search Box and click on OK button.
- Make sure that the **Status** column shows the status as *Running* for that Queue. If it is *Paused*, click the **Run** button, next to the Status.

Activating Application-Specific Web Services

Now, the web services for your particular application(s) can be activated. This is a product specific task, so refer to the product specific documentation for setting up the services.

The following is a list of the FSCM web services that can be deployed to integrate with BPEL:

Application	Services
Treasury	FINANCIAL_GATEWAY
Accounts Payable	MPA_OAG_INVOICE
	MPA_SELF_SERVICE_INVOICE
	AP_VOUCHER_BUILD
	AP_INVOICE_STATUS
	FS_SDN_SEARCH
Time and Expense	TV_RESERVATION

Providing Application-Specific Web Services

In order to provide the services, navigate to the Provide Web Service page. The Provide Web Service page is located at the following path: PeopleTools → Integration Broker → Web Services → Provide Web

Service. From this page, search for the Services listed in the table above and follow the instructions to provide the services and generate the appropriate WSDL file for those services.

Please use the following steps to provide application-specific web services:

1. Navigate to PeopleTools, Integration Broker, Web Services, Provide Web Services. Enter <service_name> (for example, *FINANCIAL_GATEWAY*) for the service name and click **Search**. Then, click the **Next** button.

[New Window](#) | [Customize Page](#) |

Provide Web Service Wizard Step 1 of 4

1 2 3 4 Next >

Select Services

Enter search criteria and click Search. Select one or more services you would like to provide.

Search Criteria

Service Name: begins with

Description: begins with

Object Owner ID: equals

Search Results Find | View All | First 1 of 1 Last

	Service	Description
<input checked="" type="checkbox"/>	FINANCIAL_GATEWAY	Financial Gateway Service

[Select All](#) [Clear All](#)

Provide Web Service Wizard – Select Services page

2. Select all Service operations and click the **Next** button.

[New Window](#) | [Customize Page](#) |

Provide Web Service Wizard Step 2 of 4

1 2 3 4 < Previous

Operations Find | View All | First 1-3 of 3 Last

	Service Operation	Description	Operation Type	Request Message	Response Message
<input checked="" type="checkbox"/>	CANCEL_PAYMENT.VERSION_1	Cancel Payment within Fin Gtwy	Synchronous	PAYMENT_CANCEL_SYNCH.VERSION_1	PAYMENT_RESPONSE_SYNCH.VE
<input checked="" type="checkbox"/>	LOAD_PAYMENT.v1	Loads Payments into Fin Gtwy	Synchronous	PAYMENT_REQUEST_SYNCH.VERSION_1	PAYMENT_RESPONSE_SYNCH.VE
<input checked="" type="checkbox"/>	REQUEST_PAYMENT_STATUS.VERSION_1	Returns payment status	Synchronous	PAYMENT_STATUS_REQUEST_SYNCH.VERSION_1	PAYMENT_RESPONSE_SYNCH.VE

[Select All](#) [Clear All](#)

Provide Web Service Wizard – Select Service Operations page

3. Review the new WSDL as necessary and click the **Next** button to publish the WSDL.

[New Window](#) | [Customize Page](#) |

Provide Web Service Wizard **Step 3 of 4**

1 2 3 4
< Previous Next >

View WSDL

View the generated WSDL for each service.

Selected Services		
Service	Description	
FINANCIAL_GATEWAY	Financial Gateway Service	View WSDL

First ◀ 1 of 1 ▶ Last

[Provide Web Service Wizard – View WSDL page](#)

4. Click the **Finish** button to publish the new WSDL into the PeopleSoft WSDL Repository.

[New Window](#) | [Customize Page](#) |

Provide Web Service Wizard **Step 4 of 4**

1 2 3 4
< Previous Finish

Specify Publishing Options

The WSDL for the selected services will be published to the PeopleSoft WSDL Repository. You can also publish the WSDLs to one or more UDDI Servers.

Publish to UDDI

WSDL Repository

[Provide Web Service Wizard – Specify Publishing Options page](#)

5. Generate the SOAP template by clicking the **Generate SOAP Template** button.

[New Window](#) | [Customize Page](#) |

Provide Web Service Wizard

Confirm Results

View the WSDL Generation Log to confirm the results of the wizard.

WSDL Generation Log:

Service: FINANCIAL_GATEWAY has been exported.

Inserted WSDL: FINANCIAL_GATEWAY.1 in the repository

Generated WSDL URL: http://PSH-TRDEV-01/PSIGW/PeopleSoftServiceListeningConnector/FINANCIAL_GATEWAY.1.wsdl

[Provide Another Service](#)
[Generate SOAP Template](#)

[Provide Web Service Wizard – Confirm Results page](#)

Verifying Simple Access to Integration Broker

Once the PeopleSoft environment has been restarted, a simple test to access a service's WSDL (Web Service Definition Language) can be performed to see if the basic information required by the BPEL deployment tasks are available. From a web browser on the BPEL PM machine, type in the following URL address:

http://yourhostname:port/PSIGW/PeopleSoftServiceListeningConnector/FINANCIAL_GATEWAY.1.wsdl

The result should display an XML document with the top level tag element being `<wsdl:definitions>`. Any other result means that the PeopleSoft system is not correctly configured. Validate that your Integration Broker settings are correct and that all components of the PeopleSoft system (application servers and webservers) are available.

Task 4-8: Deploying FSCM BPEL Processes

This section discusses the actual initial deployment of all PeopleSoft FSCM BPEL processes onto the BPEL PM.

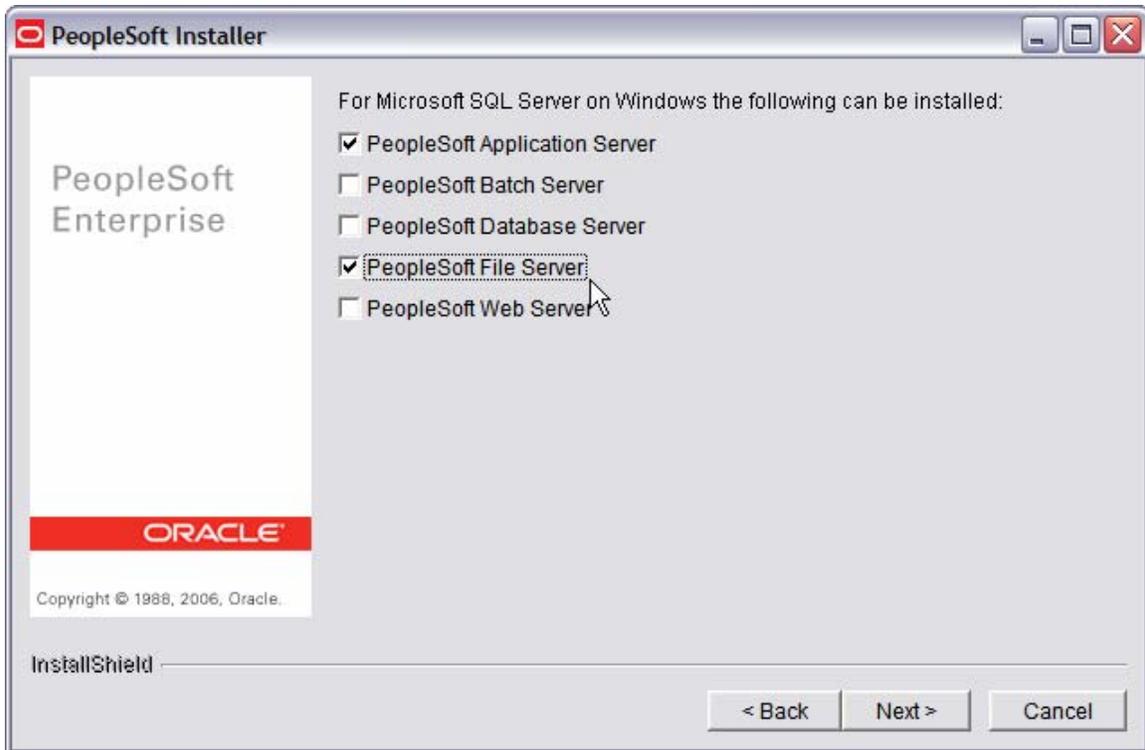
Note. This step cannot be completed until all previous tasks have been completed and BOTH the BPEL PM and PeopleSoft Integration Broker are available.

This section discusses:

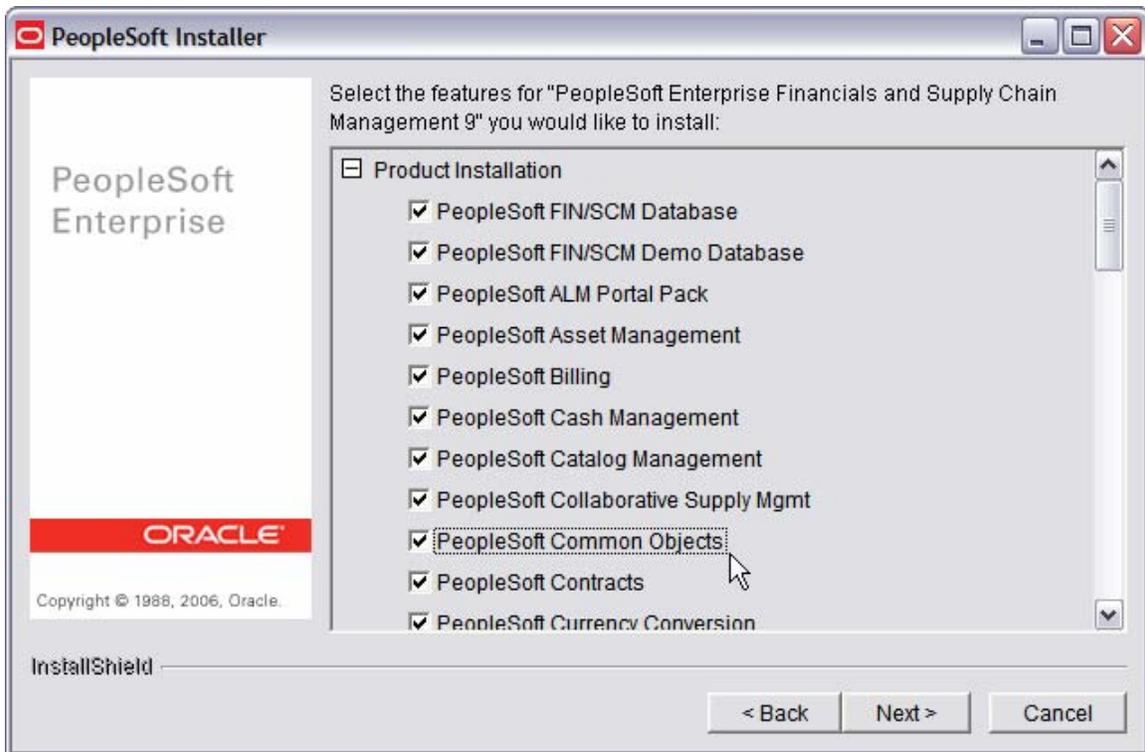
- Copying BPEL Process Files
- Configuring BPEL Process Files for Deployment
- Deploying All BPEL Processes

Copying BPEL Process Files

Under the PeopleSoft Enterprise installation directory (PSHOME), there should be a directory called “bpe”. The “bpe” directory is created during the PeopleSoft installation when the following installation options are selected: PeopleSoft File Server and PeopleSoft Common Object. The following screenshots show these two options selected:



PeopleSoft Installer: The PeopleSoft File Server option must be selected



PeopleSoft Installer: The PeopleSoft Common Objects option must be selected

The “bpel” directory contains the BPEL process source files as well as supporting files to be used to deploy the BPEL processes on your target BPEL PM machine. These files need to be copied over to the BPEL PM. On your BPEL PM machine, create a new directory in <BPEL_PM_HOME>/integration/orabpel named “peoplesoft”. Now, copy the contents of the <PSHOME>/bpel directory over to the <BPEL_PM_HOME>/integration/orabpel/peoplesoft directory on your target BPEL PM machine. Once the copy is completed, the *contents* of the “peoplesoft” directory should be the same as that of the “bpel” directory.

The remainder of the steps in this section are performed on the BPEL PM machine.

Configuring BPEL Process Files for Deployment

Edit install.properties

This step involves editing a file called “install.properties” located in <BPEL_PM_HOME>/integration/orabpel/peoplesoft. This file is used to create a set of deployable files for the environment you have created. The delivered file appears as follows:

```
install.ps-host=<Integration Broker Host>
install.ps-node=<node to be used to process web services>
install.bpel-host=<your bpel pm machine>
install.bpel-port=80
install.bpel-domain=default
```

The following must be specified:

- `install.ps-host`: This is the hostname and port (if specified) used to access the PeopleSoft Integration Broker.
- `install.ps-node`: If you are using an application server that is not the default application server of the gateway, then you must specify the node for whichever application server is to perform the processes.
- `install.bpel-host`: BPEL PM hostname only (current machine name)
- `install.bpel-port`: BPEL PM port only (default for JDeveloper is 9700)
- `install.bpel-domain`: BPEL Domain created for deployment of FSCM processes

Note. If some of these properties do not exist in your delivered file, they will need to be added and then updated with your specific parameters.

Create Deployable BPEL Files

This step creates a new folder structure to be used for the actual BPEL deployment. These files have the correct end point addresses for your configured environment entered in the `install.properties` file.

To perform these steps, first open the Oracle BPEL PM Developer Prompt. This special prompt window has many environmental properties already configured. Please see your BPEL PM documentation on how to start the Developer Prompt. For example on a Microsoft environment, merely select

Start→Programs→<your installation name given at install time>→Oracle BPEL Process Manager 10.1.2→Developer Prompt, and a command window will appear.

In the Developer Prompt, change directory to the <BPEL_PM_HOME>/integration/orabpel/peoplesoft directory. Enter the following command:

```
obant instal l "-Dpeopl esoft. pi ll ar=fscm"
```

Once completed, a new directory, named fscm_<date-time>, is created. The directory name is listed in the output produced by the above command.

Deploying All BPEL Processes

As the final step, we actually perform the deployment of the BPEL processes onto the BPEL domain created previously. To do this, change directory into the new created fscm_<date-time> directory and update the fscminstall.properties.

Depending on the processes you wish to install, update the fscminstall.properties file specifying process specific tokens to be set. Please refer to product specific documentation to determine whether any of the processes you are deploying require this file to be updated.

Property	Description	Processes
SchemaFileLocation	Ensure that the directory structure fits with the location of the DummySupplier folder in the newly created time stamped directory	Dummy Supplier
BPELPassword	The password for the bpel server for the domain used	Travel Booking
OraBpelPlatform	The platform BPEL will be running on i.e. oc4j_10g, OC4J_BPEL.	Travel Booking
NamingProviderUrl	The address where BPEL server is residing. i.e. ormi://<server name>.peoplesoft.com/orabpel	Travel Booking
HttpsProxySet	Set to 'true' if a proxy server is used, 'false' if no proxy is used	Travel Booking
HttpsProxyHost	The host name of the proxy server	Travel Booking
HttpsProxyPort	The port number to use with the proxy server	Travel Booking
HttpsNonProxyHost	A pipe ' ' separated list of hosts or domains that must be accessed directly rather than using the proxy server	Travel Booking

Once the fscminstall.properties file is updated, execute one or more of the following commands in the Developer Prompt window to deploy the processes:

1. To deploy all processes at the same time: `obant`

At the conclusion of this command, all processes should be deployed into the target domain.

2. To deploy a single process: `obant processName`

Where *processName* is the name of a directory found in the `fscm_<date-time>` directory.

Note. If errors occur during deployment, confirm that both the BPEL PM and PeopleSoft systems are available and try again. If the problem persists, verify that both systems are not only available but have no errors (a restarting of the systems may be required).

P A R T I I : I N S T A L L I N G F M S ,
E S A , A N D S F O A P P L I C A T I O N S

INSTALLING PEOPLESOFT ENTERPRISE 9.0 GENERAL LEDGER

This document describes the steps necessary to establish the file attachment storage location for documents imported to PeopleSoft Enterprise General Ledger and database specifics for various file import processes.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 5-1	Change a URL Definition for G/L File Imports (optional)
Task 5-2	Define Environmental Variable on Process Scheduler Server
Task 5-3	Running File Import Processes Using the DB2/390 Database

The following file import processes depend on the setup described below:

Process	Description
GL_JRNL_IMP	Flat file journal import (<i>previously GLS9002.SQR</i>)
GL_LED_IMP	Flat file ledger import (<i>previously GLS9003.SQR</i>)
GL_EXCL_JRNL	Spreadsheet journal batch import (<i>previously GLS9000.SQR</i>)
GL_F2_MAF	FACTS II Load MAF Data
GLFACTSI_MAF	FACTS I Load Data (FACTSI MAF, SGL Accounts, Trading Partners)
GL_GOALS_IMP	GOALS Disbursement/Receipt Files (Ledger Activity and Trial

	Balance)
--	----------

Task 5-1: Change a URL Definition for G/L File Imports (optional)

The storage location of the file attachment is defined by the URL definition `GL_FILE_IMPORT`. By default, it points to a database record. You might want to change the storage location of the file attachment to another location, such as an FTP server. This is optional.

To change this URL definition, navigate to **PeopleTools, Utilities, Administration, URLs**.

1. Open `GL_FILE_IMPORT`.
2. Change to an FTP server location of your choice.

See Also: *PeopleSoft 8.48 PeopleTools PeopleBook: PeopleCode Developer's Guide*, Using Methods and Built-In Functions, "Understanding File Attachment Architecture".

Task 5-2: Define Environmental Variable on Process Scheduler Server

You are required to define an environmental variable, **PS_FILEDIR**. This variable defines the temporary flat file location on the process scheduler that runs the file import process.

- If you have a Unix or OS390 process scheduler, edit **psconfig.sh** file and specify in environment variable `PS_FILEDIR` the flat file location. For example:

```
PS_FILEDIR=/tmp; export PS_FILEDIR
```

- If you have an NT/Win2000 process scheduler, navigate to Control Panel, System (Advanced Tab), Environment Variables. Add or modify system variable `PS_FILEDIR`, and specify its value. For example:

```
C: \TEMP
```

Note. For more technical information on this topic, please refer to the PeopleTools description of **GetFile() PeopleCode** for details, or consult your system administrator.

Task 5-3: Running File Import Processes Using the DB2/390 Database

This is a reminder for those who would run import processes in general. If the import process enables you to specify Character Set, select the Character Set appropriate to the flat file being imported. For example, you might select `ISO_8859-6` for Arabic; and `JIS_X_0208` or `Shift_JIS` for Japanese.

For those running specific import processes: GL_F2_MAF, GLFACTSI_MAF, and GL_GOALS_IMP

If you have a DB2/390 database and you prepare the flat file in ASCII format, you can run the process on only NT or Unix process schedulers. If you prepare the flat file in EBCDIC format, you can run the import process only on OS390 process schedulers. For all other databases, there is no limitation on the type of process schedulers. The appropriate process schedulers should be setup for these processes.

INSTALLING AND SETTING UP FORMS PROCESSING FOR PEOPLESOFT ENTERPRISE 9.0 GRANTS

The PeopleSoft Enterprise Grants forms printing solution uses file layouts to generate XML. This is accomplished using existing PeopleTools functionality. Through the use of XML/XFDF, the PeopleSoft Grants forms solution maps all of the required data elements to the actual sponsor forms. As a result, you can edit and print forms online using Adobe Acrobat Reader 5.0. Because this solution uses standard PeopleTools technology, you no longer need to engage a third party to fulfill your forms printing needs.

You can use the new forms printing solution with the following forms:

- **Grant Application (PHS 398):** This is the set of proposal application forms that the National Institutes of Health requires for funding requests. It should be noted that this form set is in the process of being superseded by SF-424 R&R submissions through Grants.gov.
- **Non-Competing Grant Progress Report (PHS 2590):** This is an interim progress report that the National Institutes of Health requires recipients to submit for funding. This form is typically submitted on an annual basis.
- **Federal Cash Transaction Report (SF- 272):** This is an Office of Management and Budget form that is utilized to provide an accounting of your cash position with the government during a specific time frame. This form is typically submitted on a quarterly basis.
- **Financial Status Report (SF-269):** This is an Office of Management and Budget form. It is utilized to provide a periodic accounting on grants that you have received. It includes information such as expenditures, budget, and remaining balances.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 6-1	Download the Forms from the Sponsor Websites
Task 6-2	Set Up the Forms URL Maintenance Area in PeopleSoft
Task 6-3	Enter the Names of the PDF Templates
Task 6-4	Print the Forms (optional)
Task 6-5	View Reports (optional)

Task 6-1: Download the Forms from the Sponsor Websites

To set up the forms solution for on your database, you must download all of the following .pdf files from the sponsor Websites:

- http://grants.nih.gov/grants/funding/2590/2590_forms.pdf
- http://grants.nih.gov/grants/funding/phs398/398_forms.pdf
- <http://grants.nih.gov/grants/funding/phs398/biosketch.pdf>
- <http://grants.nih.gov/grants/funding/phs398/continuation.pdf>
- <http://grants.nih.gov/grants/funding/phs398/fp4.pdf>
- <http://grants.nih.gov/grants/funding/2590/enrollmentreport.pdf>
- <http://www.whitehouse.gov/omb/grants/sf269a.pdf>
- <http://www.whitehouse.gov/omb/grants/sf272.pdf>
- <http://www.whitehouse.gov/omb/grants/sf272a.pdf>

Note. Place these files in the location defined for the URL Maintenance area (see below).

Task 6-2: Set Up the Forms URL Maintenance Area in PeopleSoft

1. Access the URL Maintenance page by navigating to **PeopleTools, Utilities, Administration, URLs**.
2. Search for **GM_FORMS_LOCATION**.

URL Maintenance

URL Identifier: GM_FORMS_LOCATION

***Description:**

***URL:**

Comments:

[URL Maintenance page](#)

3. Enter the location where you placed the forms in the **URL** field. Click Save.

This location can be a file system location such as **G:\FORMS**. In this case, the users will need to have access to this location when viewing the printed forms. This location can also be a Web address such as <http://www.university.edu/Administration/Grants/Forms/>.

Task 6-3: Enter the Names of the PDF Templates (optional)

1. Access the Sponsor Forms page by navigating to **Set Up Financials/Supply Chain, Product Related, Grants, Sponsor Forms**.

Sponsor Forms

SetID: SHARE **Form ID:** PHS398

Form Detail Find | View All First ◀ 1 of 1 ▶ Last

***Effective Date:** ***Status:**

***Description:**

***Short Description:** **File Name:**

Comments:

[Sponsor Forms page](#)

2. Search for and access the pages for the forms listed in the table below. Then, ensure that the file names listed below are reflected in the **File Name** field.

Note. If you are making changes to currently effective dated values, you must do so by first clicking on the **Correct History** button to enter the correction mode.

Form ID	File Name (example)
PHS398	398_Forms.PDF
2590	2590_Forms.PDF
NIHMOD	398_Forms.PDF

Task 6-4: Print the Forms (optional)

1. Access the Create Printed Proposal page by navigating to **Grants, Proposals, Print Proposal**. Create your own **Run Control ID**.
2. Select the **Business Unit, Proposal ID, Version ID** and **Form ID** of the proposal you are submitting. Select the values as shown in the screenshot below by choosing from the options displayed after clicking on the magnifying glass icon.

Run Control ID: PHS398 [Report Manager](#) [Process Monitor](#) **Run**

Proposal to be Submitted

*Business Unit: EGV05 *As of Date: 07/14/2005

*Proposal ID: CON000000000024

*Version ID: V1 The effects of insulin on laboratory rats

*Form ID: PHS398 PHS 398 Grants Application

[Proposal to be Submitted page](#)

3. Click **Run**.
- The system displays the Process Scheduler Request page.
4. Select the server you want to use in the **Server Name** field and then click **OK**.

Task 6-5: View Reports

Note. To view reports you need Acrobat Reader 5.0 or later.

1. Access the Report Manager – Administration page by navigating to **Reporting Tools, Report Manager, Administration.**

The screenshot shows the 'Administration' tab of the Report Manager interface. At the top, there are navigation tabs: Explorer, List, Administration (selected), and Archives. Below the tabs is a 'View Reports For' section with search filters: User ID (DVP1), Type (dropdown), Last (1 Days), Status (dropdown), Folder (dropdown), Instance (dropdown), and a Refresh button. Below this is a 'Report List' table with the following data:

Select	Report ID	Prcs Instance	Description	Request Date/Time	Format	Status	Details
<input type="checkbox"/>	3089	3958	Outbound EC Agent	11/03/2003 11:56:32AM	Acrobat (*.pdf)	N/A	
<input type="checkbox"/>	3088	3957	GM EDI	11/03/2003 11:56:32AM	Text Files (*.txt)	Posted	Details

[Administration page](#)

2. Locate your process instance (the report description is GM_EDI).
3. Click GM_EDI **Details** to see a list of the files related to the proposal.

Report		
Report ID: 5359	Process Instance: 7075	Message Log
Name: GM_EDI	Process Type: Application Engine	
Run Status: Success		
GM_EDI		
Distribution Details		
Distribution Node: pfas021	Expiration Date: 09/04/2006	
File List		
Name	File Size (bytes)	Datetime Created
.stdout	632	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_BioSketch_Schumacher_Kenneth_1.XML	542	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_BioSketch_Schumacher_Kenneth_1.xfdf	798	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_FA.XML	1,045	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_FA.xfdf	1,162	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_MAIN.XML	15,557	08/28/2006 2:26:11.000000PM PDT
CON0000000000024_V1_MAIN.xfdf	9,595	08/28/2006 2:26:11.000000PM PDT
Distribute To		
Distribution ID Type	*Distribution ID	
User	VP1	

[Report Detail page](#)

4. To view or print a file, download it to a local location.
5. Click the file to open it.

INSTALLING AND SETTING UP ELECTRONIC SUBMISSION TO GRANTS.GOV FOR PEOPLESOFT ENTERPRISE 9.0 GRANTS (OPTIONAL)

In the Grants 9.0 release we have introduced functionality to support integration with Grants.gov. This provides users the ability to submit grants applications electronically to Grants.gov using SOAP with attachments.

Note. This chapter is only applicable to customers who will be using the Grants.gov functionality. In addition to completing the steps outlined below, you must complete all of the registration requirements outlined on the Grants.gov website as well as NIH website prior to going into production with them. The Grants.gov electronic application submission functionality provided is limited to the SF 424 R&R family and the schemas that fall under it.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 7-1	Stop Web Server and AppServer
Task 7-2	Copy Customer Connector Files
Task 7-3	Set Up Environment Variables

Task 7-4	Copy Keystore File
Task 7-5	Restart Web Server and AppServer
Task 7-6	Set Up Gateway
Task 7-7	Set Up FTP Server
Task 7-8	Set Up URL for Grants.gov Web Services
Task 7-9	Turn on Grants.gov enabled flag
Task 7-10	Set up DUNS Number
Task 7-11	Set up AOR

Task 7-1: Stop Web Server and AppServer

Since Task 7-2 through Task 7-4 refer to changes to be performed on the web server and AppServer, the web server and AppServer have to be stopped before these steps are performed.

Task 7-2: Copy Customer Connector Files

To set up the Grants.gov solution:

To set up the Grants.gov solution, you must copy the customer connector files as follows:

- Copy %PSHOME%\class\com.peoplesoft.fscm.gm.jar file into %PSHOME%\webserv\peoplesoft\applications\peoplesoft\PSIGW\WEB-INF\lib
- Copy %PSHOME%\class\GrantsTargetConnector.class file into %PSHOME%\webserv\peoplesoft\applications\peoplesoft\PSIGW\WEB-INF\classes\com\peoplesoft\pt\integrationgateway\targetconnector
- Copy %PSHOME%\setup\grants\orasaaj.jar file into %PSHOME%\webserv\peoplesoft\applications\peoplesoft\PSIGW\WEB-INF\lib
- Copy %PSHOME%\setup\grants\xmlparserv2.jar file into %PSHOME%\webserv\peoplesoft\applications\peoplesoft\PSIGW\WEB-INF\lib

Task 7-3: Set Up Environment Variables

To set up environment variables:

1. Make sure the environment variable TEMP is set up in your operating system where you run your AppServer. For example, if your AppServer is on a Windows operating system you may set TEMP = C:\temp.

This environment location will be used to store the XML files that are generated by the Grants application engine processing. Users of the product should be granted READ/WRITE access to this environment.

2. Modify the file %PS_HOME%\webserv\peoplesoft\setenv.cmd:

- a) Add a line to the XMLPARV variable just before the PSCLASSPATH variable:

```
SET
XMLPARV=%PS_HOME%\webserv\%DOMAI N_NAME%\appl i cati ons\peopl esoft\PSI GW\WEB-
INF\i b\xerces. jar
```

- b) Modify the set statement for the PSCLASSPATH variable:

```
SET PSCLASSPATH=%XMLPARV%; %PSCLASSPATH%; %PSPORTLETS%; %PSXERCES%
```

Task 7-4: Copy Keystore File

Note. You may need assistance from your web administrator to perform this step.

To copy the keystore file:

Since Grants.gov uses Secure Socket Layer (SSL) and mutual authentication for managing the security of a message transmission over the Internet, users must:

1. Get a digital certificate key and place it into a keystore file.

Note. If your organization does not have a digital certificate key, you will have to work with your web administrator to secure one.

2. Copy this keystore file into the directory %PS_HOME%\webserv\peoplesoft\keystore.

Task 7-5: Restart Web Server and AppServer

Re-start your Web Server and AppServer.

Task 7-6: Set Up Gateway

To set up the gateway:

Since PeopleTools Integration Broker is used to communicate with Grants.gov, you have to set up the Gateway and its properties (Make sure that your gateway has been set up before this step):

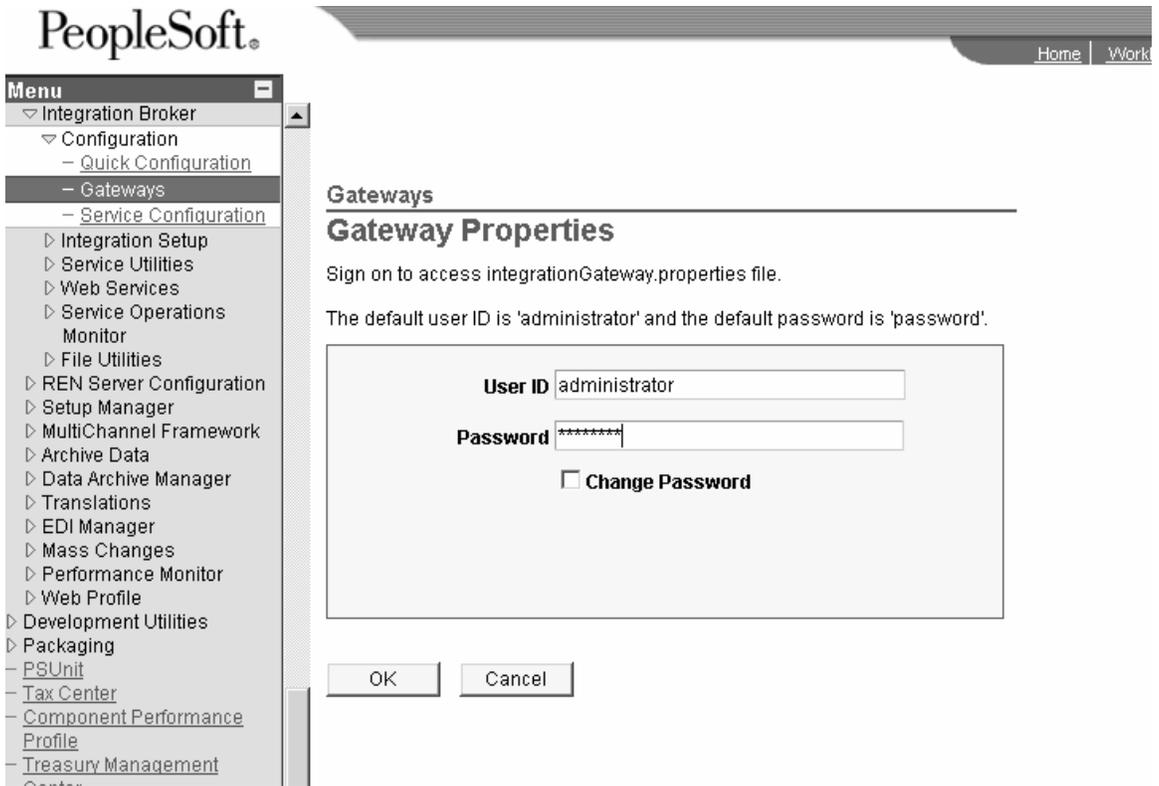
1. Make sure that your customer connector GrantsTargetConnector has been loaded into the gateway.

The screenshot displays the Oracle PeopleTools Gateway Setup Properties page. The page includes a navigation menu on the left, a header with the Oracle logo and navigation links (Home, Worklist, MultiChannel Console, Add to Favorites, Sign out), and a main content area. The main content area has a URL field set to `http://ple-flin5.8081/PSIGW/PeopleSoftListeningConnector` and a `Ping Gateway` button. Below the URL field is a `Load Gateway Connectors` button. The main content area also features a table of connectors with columns for Connector ID, Description, Connector Class Name, and Properties. The table lists 11 connectors, including GrantsTargetConnector.

Connector ID	Description	Connector Class Name	Properties
1	SMTPTARGET	SMTPTargetConnector	Properties + -
2	FILEOUTPUT	SimpleFileTargetConnector	Properties + -
3	PSFTTARGET	PeopleSoftTargetConnector	Properties + -
4	LDAPTARGET	LDAPTargetConnector	Properties + -
5	JMSTARGET	JMSTargetConnector	Properties + -
6	HTTPTARGET	HttpTargetConnector	Properties + -
7	GRANTSTARGETCONNE	GrantsTargetConnector	Properties + -
8	GETMAILTARGET	GetMailTargetConnector	Properties + -
9	FTPTARGET	FTPTargetConnector	Properties + -
10	AS2TARGET	AS2TargetConnector	Properties + -
11	PSFT81TARGET	ApplicationMessagingTargetConnector	Properties + -

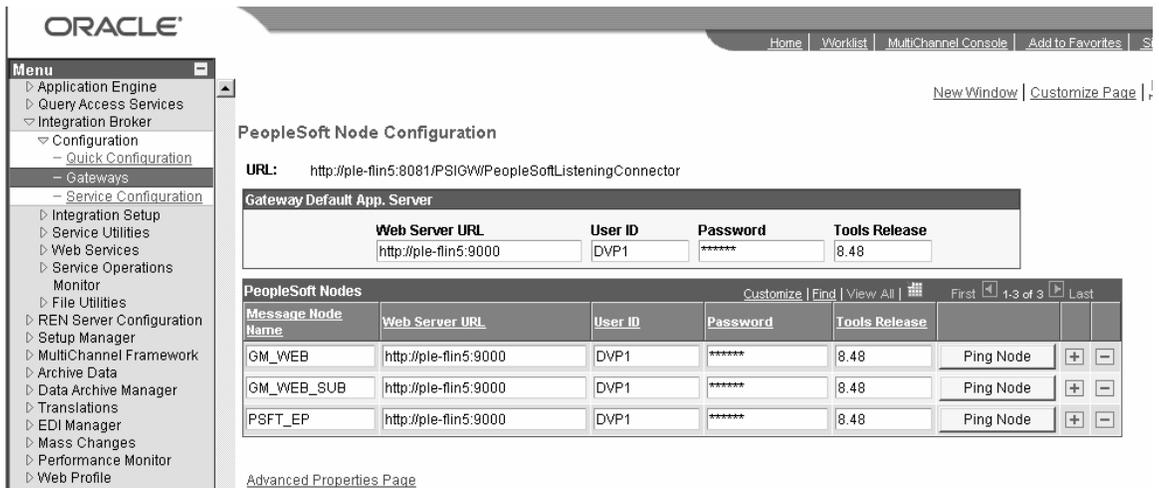
[Gateways page](#)

2. Click on the **Gateway Setup Properties** link and login.



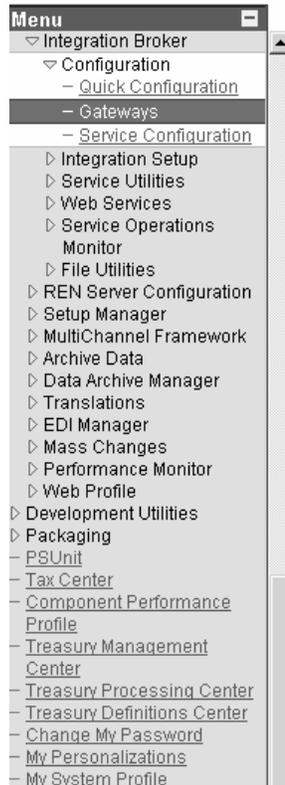
Gateways – Gateway Properties page

3. Add these nodes into the gateway: GM_WEB, GM_WEB_SUB and PSFT_EP.



PeopleSoft Node Configuration page

4. Set gateway advanced properties. Click on the **Advanced Properties Page** link.



Gateway Properties

Gateways
Gateway Properties

URL <http://ple-flin5:8081/PSIGW/PeopleSoftListeningConnector>



► Password Encryption Utility

OK Cancel

Gateway Properties page

- a) Set SSL key's Alias name and password:

For example:

i.g. certificateAlias=localhost
i.g. certificatePasswd=ABFGL92FAH5zJtN07S2gqQ==

- b) Set Keystore file directory and password:

For example:

secureFileKeystorePath=PS_HOME/webserv/peoplesoft/keystore/appl icant -s2s-
keystore.j ks
secureFileKeystorePasswd=changei t

Task 7-7: Set Up FTP Server

To set up the FTP server:

1. Set up FTP server URL:

- a) Go to PeopleTools → Utilities → Administration → URL.
- b) Search for *PC_PROJECTS_DOC_ATTACHMENT*.
- c) Change the value of the **URL** field.
- d) Click **Save**.

The screenshot shows the Oracle PeopleTools interface. On the left is a 'Menu' sidebar with 'Utilities' expanded to 'Administration'. The main area is titled 'URL Maintenance'. It contains the following information:

- URL Identifier:** PC_PROJECTS_DOC_ATTACHMENT
- Description:** Projects Document Attachment
- URL:** ftp://Anonymous:IEUser@adas0136/fscm/
- Comments:** ftp://userid:password@machinename/ FTP Site for Projects Document Attachment. Customers need to update this URL definition to reflect their own secured FTP site before using Projects Document Attachment feature.

At the bottom of the page, there are buttons for 'Save', 'Return to Search', 'Notify', 'Add', and 'Update'.

[URL Maintenance page](#)

2. Set up FTP site for submitApplication:
 - a) Go to Set Up Financials/Supply Chain → Product Related → Grants → Schemas.
 - b) Search for *SubmitApplication* and set FTP server for *FTPSite* in **Attributes** grid.
 - c) Change the value of *FTPSite*.
 - d) Click **Save**.

Menu

- Asset management
- Budgeting
- Billing
- Contracts
- Cost Accounting
- Engineering
- Expenses
- Grants
 - Additional Information
 - Additional Applicant Type
 - Agent
 - Approving Authority
 - Attribute Types
 - Attachment Type
 - Audit Types
 - Budget Item Types
 - Budget Items
 - Budgets
 - Certifications
 - CFDA
 - Committee
 - Administrator
 - Committee Meeting Setup
 - Committee Setup
 - Detail Type
 - Facilities Admin Bases
 - Facilities Admin Rates
 - Federal Sponsor
 - Schemas
 - Federal Sponsor Types
 - Genus
 - Institution Types

Schema

SetID: SHARE Schema Name: SubmitApplication

Version ID: V1.0 Active Status

Description: Submit Application Service Web Service?

Detailed Description:

Attribute Name	Attribute Value		
ServiceNS	http://apply.grants.gov/WebServices/ApplicantIntegrationServices-V1.0	+	-
URL	https://atws.grants.gov:446/app-s2s-server/services/ApplicantIntegrationSoapPort	+	-
SOAPAction	https://atws.grants.gov:446/app-s2s-server/services/ApplicantIntegrationSoapPort	+	-
ServiceNM	SubmitApplicationRequest	+	-
appxmlNM	GrantApplicationXML	+	-
appxmlNS	http://apply.grants.gov/system/Global-V1.0	+	-
FTPSite	ftp://Anonymous:IEUser@adas0136/fscm/	+	-
sendEncoded	Y	+	-

Schema page

Task 7-8: Set Up URL for Grants.gov Web Services

There are two attributes (URL and SOAPAction) defined in GM_SCHEMA to indicate the server of web services. The system is set up to point to Grants.gov AT server, which is the testing server. You have to change it to point to the production server, which is <https://ws.grants.gov:446/app-s2s-server/services/ApplicantIntegrationSoapPort>. Make sure to change the server for all four of the following services.

- GetOpportunityList
- GetApplicationList
- GetApplicationStatusDetail
- SubmitApplication

To set up the URL for Grants.gov web services:

1. Go to Set Up Financials/Supply Chain → Product Related → Grants → Schemas.
2. Search for the service.
3. Change the value of the *URL* and *SOAPAction*.
4. Click **Save**.

Menu

- Facilities Admin Rates
- Federal Sponsor Schemas
- Federal Sponsor Types
- Genus
- Institution Types
- Milestone Statuses
- Milestone Types/Codes
- Organization Name
- Program Types
- Proposal Components
- Proposal Key Words
- Proposal Resource Types
- Proposal/Award Purposes
- Protocol Type
- Role Types
- Schemas
- Species
- Sponsor Forms
- Sponsor Guidelines
- Sponsor Levels
- Sponsor Types
- Strains.Subspecies
- Sponsor Websites Setup
- US Government

SetID: SHARE Schema Name: SubmitApplication

Version ID: V1.0 Active Status

Description: Submit Application Service Web Service?

Detailed Description:

Attribute Name	Attribute Value		
ServiceNS	http://apply.grants.gov/WebServices/ApplicantIntegrationServices-V1.0	+	-
URL	https://atws.grants.gov:446/app-s2s-server/services/ApplicantIntegrationSoapPort	+	-
SOAPAction	https://atws.grants.gov:446/app-s2s-server/services/ApplicantIntegrationSoapPort	+	-
ServiceNM	SubmitApplicationRequest	+	-
appxmlNM	GrantApplicationXML	+	-
appxmlNS	http://apply.grants.gov/system/Global-V1.0	+	-
FTPSite	ftp://Anonymous:IEUser@adas0136/fscm/	+	-
sendEncoded	Y	+	-

[Schemas page](#)

Task 7-9: Turn on Grants.gov enabled flag

To turn on the Grants.gov enabled flag:

1. Go to Set Up Financials/Supply Chain → Install → Installation Options → Grants.
2. Check the **Enable Electronic Submission** check box on the Installation Options – Grants page.

Menu

- ▷ Allocations
- ▷ Statutory Reports
- ▷ SCM Integrations
- ▽ Set Up Financials/Supply Chain
 - ▽ Install
 - Installation Options
 - Installation Options Report
 - Tax Provider Installation
- ▷ Security
- ▷ Upgrade
- ▷ Business Unit Related
- ▷ Common Definitions
- ▷ Product Related
- ▷ Pagelets
- ▷ Enterprise Components
- ▷ Government Resource Directory
- ▷ Background Processes
- ▷ Worklist
- ▷ Application Diagnostics
- ▷ Tree Manager
- ▷ Reporting Tools
- ▷ PeopleTools
- ▷ Packaging
 - Tax Center
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center

Installation Options Grants

System Defaults

SetID: SHARE Last Transaction ID: 10001826
 Last Project ID: 212 Last Protocol ID: 1004
 Default Budget: BUD

Enable Electronic Submission
 Include Optional Attachments

Cost Sharing Analysis Types

Cst Shr AP:	CAC	CS/PO-Close Adj:	CAJ	CS/TL - Est:	
Cst Shr EX:	CAC	CS/PO-COM Rev:	CCR	Cst Shr TL Con:	
Cst Shr GM-Bud:	CBU	Cst Shr PO - PO:	CCO	Cst Shr TE Time:	
Cst Shr IN:	CAC	Cst Shr PO-REQ:	CRQ		
Cst Shr OM:		CS/PO - REQ Rev:	CQR		
		CS/TL-Actual:	CPY		
		CS/TL-Bill Est:			

[Installation Options – Grants page](#)

Task 7-10: Set up DUNS Number

To set up the DUNS number:

Go to Grants → Institution and set up *DUNS*. This should be the same DUNS number that you register with Grants.gov and other agencies.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | S

New Window | Customize Page |

Name | Information | **Attributes** | Address

SetID: SHARE Institution: 001 Description: PeopleSoft University

Attributes As Of Find | View All First 1 of 1 Last

Effective Date: 01/01/1900 Status: Active + -

Detail Find | View All First 1-2 of 2 Last

*Attribute Type: CGRS_DIST Congressional District + -

*Value: District 1

Comments: [Text Area]

*Attribute Type: DUNS DUNS Institution Number + -

*Value: 144709193

Comments: Institutional DUNS Number

[Attributes page](#)

Task 7-11: Set up AOR

To set up the AOR:

Go to Grants → Sponsored Projects Offices → General Information and set up Authorized Representative. Make sure that you are using the same AORs that are registered with Grants.gov and other agencies.

- Menu
- ▷ Quality
- ▷ Demand Planning
- ▷ Inventory Policy Planning
- ▷ Supply Planning
- ▽ Grants
 - ▷ Sponsor Websites
 - ▷ Opportunity
 - ▷ Proposals
 - ▷ Awards
 - ▷ Protocols
 - ▷ Institutions
- ▽ Sponsored Projects Offices
 - General Information
 - ▷ Departments
 - ▷ Professionals
 - ▷ Sponsors
 - ▷ Subrecipients
 - ▷ Interactive Reports
 - Grants Center
 - My Proposals
 - ▷ Program Management
 - ▷ Project Costing
 - ▷ Proposal Management
 - ▷ Maintenance Management
 - ▷ Resource Management
 - ▷ Lease Administration
 - ▷ Staffing
 - ▷ Travel and Expenses

Sponsored Projects Office

SetID: SHARE **SPO ID:** SPO1

***Short Description:**

***Description:**

Contact: Grafton, Ken

Authorized Representative			
EmpID	Name	MSPIRES User Name	
1 <input type="text" value="BK001"/> <input type="button" value="Q"/>	Hickson, Barry	<input type="text"/>	<input type="button" value="+"/> <input type="button" value="-"/>
2 <input type="text" value="IXHEEE102"/> <input type="button" value="Q"/>	Angelini, Gina	<input type="text"/>	<input type="button" value="+"/> <input type="button" value="-"/>

Sponsored Projects Office page

INSTALLING PEOPLESOFT ENTERPRISE 9.0 EXPENSES

This document provides additional instructions on how to install PeopleSoft Enterprise Expenses.

This installation section covers the configuration of Integration Broker for Approvals and the configuration of the Employee Portal Servlet URL.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 8-1	General Integration Broker configuration
Task 8-2	Configure the Employee Portal Servlet URL

Task 8-1: General Integration Broker configuration

This step confirms that the settings for Quick Configuration, Gateways and Service Configuration are properly configured.

Quick Configuration

1. Navigate to PeopleTools→Integration Broker→Configuration→Quick Configuration.

2. Change the Gateway URL to `http://<IB Hostname>:<port>/PSIGW/PeopleSoftListeningConnector`. The colon and port entry are optional if the port number is the default.

Integration Broker Quick Configuration

Local Gateway

The integration gateway manages message transport through several communication protocols.

Gateway URL: [Ping Gateway](#)

[Advanced Gateway Setup](#) Use to access additional integration gateway features.

Integration Broker Domains

To process asynchronous messages, one application server domain must be active. If inactive, use the Domain Status drop-down list to activate the appropriate domain.

Machine Name	Application Server Path	Domain Status
ALEE2062504	C:\pt848-903-R1\appserMEX900DVL	Active
PLE-STAHERI	C:\PT48\appserMEX900DVL	Inactive
STAHERI032304	C:\PT848\appserMEX900DVL	Inactive

[Domain Status](#) Use to access additional domain features.

Other Quick Links

[Service Configuration](#) Use to define service and UDDI defaults.

[ERP Connectors Admin](#) Use to configure iWay SOAPswitch, if installed.

[Integration Broker Quick Configuration page](#)

3. Click **Save**.
4. Ping the gateway to make sure it is responding and note the exact tools version.

PeopleSoft Integration Gateway

PeopleSoft Listening Connector

Tools Version : 8.48

Status: ACTIVE

Gateways

1. Navigate to PeopleTools→Integration Broker→Configuration→Gateways.
2. Select the check boxes for **Local Gateway** and **Load Balancer**.

- Enter the URL for the Local Gateway and the Physical Gateway as <http://<IB Hostname>:<port>/PSIGW/PeopleSoftListeningConnector>.
- Click the **Load Gateway Connectors** button.
- Click **Save**.
- Click the **Ping Gateway** button to ensure connectivity and proper configuration.

Gateways

Gateway ID: LOCAL
 Local Gateway Load Balancer

URL: Ping Gateway

[Return to Quick Configuration](#)

Physical Gateways		Customize	Find	View All	First	1 of 1	Last
URL	Properties						
1 http://10.138.204.63/PSIGW/PeopleSoftListeningConnector	Properties						

Load Gateway Connectors

Connectors				Customize	Find	First	1-10 of 10	Last
*Connector ID	Description	*Connector Class Name	Properties					
1 AS2TARGET		AS2TargetConnector	Properties					
2 FILEOUTPUT		SimpleFileTargetConnector	Properties					
3 FTPTARGET		FTPTargetConnector	Properties					
4 GETMAILTARGET		GetMailTargetConnector	Properties					
5 HTTPTARGET		HttpTargetConnector	Properties					
6 JMSTARGET		JMSTargetConnector	Properties					
7 LDAPTARGET		LDAPTargetConnector	Properties					
8 PSFT81TARGET		ApplicationMessagingTargetConnector	Properties					
9 PSFTTARGET		PeopleSoftTargetConnector	Properties					
10 SMTPTARGET		SMTPTargetConnector	Properties					

Gateways page

- Click the **Properties** link in the **Physical Gateways** grid and enter administrator/password for the **User ID** and **Password** fields on the Gateways – Gateway Properties page.

Gateways

Gateway Properties

Sign on to access integrationGateway.properties file.

The default user ID is 'administrator' and the default password is 'password'.



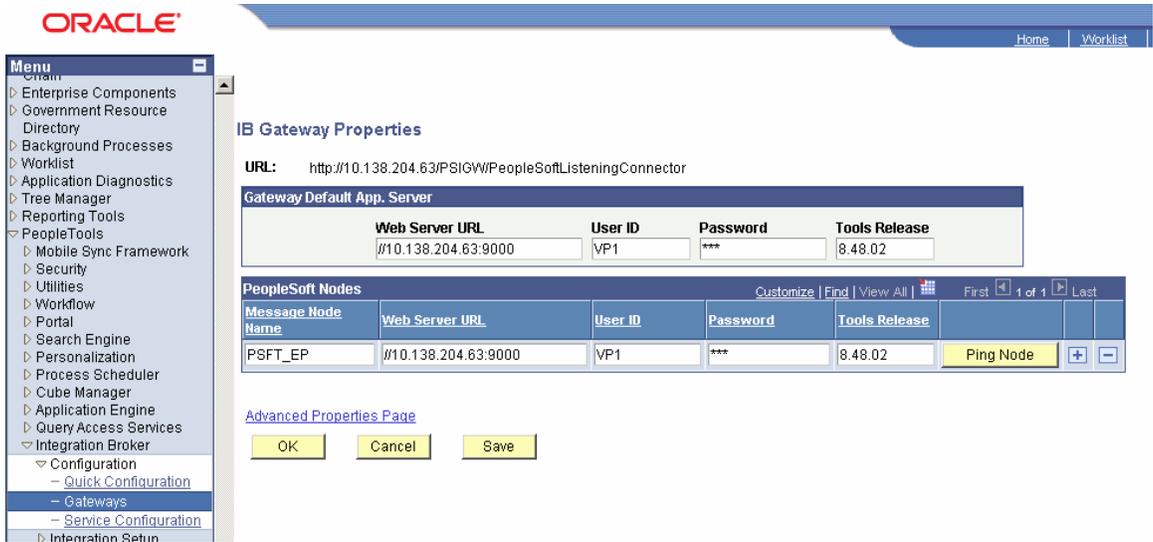
A dialog box with a light gray background and a blue border. It contains two text input fields. The first field is labeled "User ID" and contains the text "administrator". The second field is labeled "Password" and contains seven asterisks. Below the password field is a checkbox labeled "Change Password" which is currently unchecked.



Two yellow buttons with black borders. The left button is labeled "OK" and the right button is labeled "Cancel".

[Gateways – Gateway Properties page](#)

8. Enter the **Webserver URL**, **User ID**, **Password** and **Tools Release** fields in the **Gateway Default App. Server** group box.
9. Add Node: PSFT_EP (The FSCM application server node). Get the PeopleTools release number from pinging the gateway as it must match exactly.
10. Click **Save**.



IB Gateway Properties page

11. Ping the PSFT_EP node to make sure they are responsive. You will see the following page if a ping is successful.

Ping Node Results

Node Information			
Integration Gateway ID	Connector ID	Connector URL	Message Text
LOCAL	PSFTTARGET		Success (117,73)

Return

Ping Node Results page

Activating the Local Domain

1. Navigate to PeopleTools > Integration Broker > Service Operations Monitor > Administration > Domain Status.
2. Set the Domain Status for the Application Server to *Active* and click the **Update** button.

Domain Status

Domain Criteria

Grace Period for all Domains (Minutes)

All Domains Active

All Domains Inactive

[Purge Domain Status](#)

[Set Up Failover](#)

Failover Disabled

[Refresh](#)

[Update](#)

Domains

[Customize](#) | [Find](#) | [View All](#)

First

1 of 1

Last

Failover Group	Failover Priority	Machine Name	Application Server Path	Domain Status	Grace Period	Slave Indicator
		ALEE2062504	C:\pt848-801-R2 \appserMEX900DVL	Active	<input type="text"/>	

Dispatcher Status

[Customize](#) | [Find](#)

First

1 of 1

Last

Machine Name	Dispatcher Name	Application Server Path	Status String	Date/Time Stamp
ALEE2062504	PSMSGDSP	C:\pt848-801-R2\appserMEX900DVL	ACT	

[Domain Status page](#)

Note. If your Machine Name does not appear in this list, push Purge Domain Status button and then push Refresh button.

Activating Queue Definitions

1. Navigate to PeopleTools > Integration Broker > Integration Setup > Queues.
2. Search Queue Name: *EXPENSES*.
3. Select *Run* on the Queue Status dropdown box and then click the **Save** button.

Queue Definitions

Queue Name: EXPENSES Archive Unordered
Description: Expenses Message Channel **Queue Status:** Run ▾
Comments: This message is used for Approval and Workflow processes to submit and approve transactions. **Object Owner ID:** Expenses ▾

Operations Assigned to Queue

Service Operations	
Operation	Version
EX_APPROVAL	VERSION_1

Define Partitioning Fields

Common Fields		
Include	Field	Alias Name
<input type="checkbox"/>	APPR_TRANS_TYPE	
<input type="checkbox"/>	OPRID	
<input type="checkbox"/>	ROLEUSER_REASSIGN	
<input type="checkbox"/>	AWPRCS_ID	
<input type="checkbox"/>	ACTION_NAME	
<input type="checkbox"/>	APP_CLASS_NAME	
<input type="checkbox"/>	APP_CLASS_METHOD	
<input type="checkbox"/>	POST_APPRVL_PRC	
<input type="checkbox"/>	KK_CALL_BD_CHECK	
<input type="checkbox"/>	OPERATIONNAME	

Save

Add Field

[Queue Definitions page](#)

Setting up Service and Handlers

1. Navigate to PeopleTools > Integration Broker > Integration Setup > Service Operations.
2. Search Service Operation: *EX_APPROVAL*.
3. Check the **Active** check box in the **Default Service Operation Version** group box and then click the **Save** button.

Service Operation: EX_APPROVAL
Service: EX_APPROVAL
Operation Type: Asynchronous - One Way
***Operation Description:** **User/Password Required**
Operation Comments:
Object Owner ID:
Operation Alias: [Service Operation Security](#)

Default Service Operation Version

***Version:** **Default** **Active**
Version Description:
Version Comments:
 Non-Repudiation
 Runtime Schema Validation

[Introspection](#)

Routing Status	
Any-to-Local:	Does not exist
Local-to-Local:	Exists

Routing Actions Upon Save	
<input type="checkbox"/>	Generate Any-to-Local
<input type="checkbox"/>	Regenerate Local-to-Local

Message Information

Type: Request
Message.Version: [View Message](#)
***Queue Name:** [View Queue](#) [Add New Queue](#)

[Return to Search](#)
[Add Version](#)

[General page](#)

- Go to the Handlers tab and set the **Status** field of the AppClass to *Active* and click the **Save** button.

General **Handlers** Routings

Service Operation: EX_APPROVAL
Default Version: VERSION_1
Operation Type: Asynchronous - One Way

*Name	*Type	*Implementation	*Status		
EXApproval	OnNotify	App Class	Active	Details	+ -

Save [Return to Search](#)

[Handlers page](#)

- Go to the Routings tab and activate the routings by selecting the check boxes and pressing the **Activate Selected Routings** button. Then, click the **Save** button.

General **Handlers** **Routings**

Service Operation: EX_APPROVAL
Default Version: VERSION_1
Routing Name:

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	Status
<input checked="" type="checkbox"/>	EX_APPROVAL	VERSION_1	Asynch	~ANY~	PSFT_EP	Inbound	Active
<input checked="" type="checkbox"/>	EX_APPROVAL_LCL	VERSION_1	Asynch	PSFT_EP	PSFT_EP	Local	Active

[Return to Search](#)

[Routings page](#)

Run Message Channel

- Navigation: PeopleTools > Integration Broker > Service Operations Monitor > Administration > Queue Status

2. Verify that the status for Queue Name *EXPENSES* is *Running*. If it is *Paused*, click the **Run** button.

Queue Status

User ID: DVP1 Refresh

Queue Name	Status	
EXPENSES	Running	Pause
FO_APP_HIRE	Paused	Run
FO_ASSIGNMENTS	Paused	Run
FO_ORDER	Paused	Run
FO_SETUP	Paused	Run
FO_SYNC	Paused	Run

[Queue Status page](#)

Task 8-2: Configure Employee Portal Servlet URL

This step configures the URL for the Employee Portal Servlet (*EMP_SERVLET*).

1. Navigate to PeopleTools > Utilities > Administration > URLs.
2. Search for *EMP_SERVLET*.
3. Set the URL to your machine's server name and append it with */psp/employeeportaldomain/* as shown in the Comments section of the example.
4. Save.

URL Maintenance

URL Identifier: EMP_SERVLET

***Description:**

***URL:**

Comments:

[URL Maintenance page](#)

INSTALLING PEOPLESOFT ENTERPRISE 9.0 MOBILE TIME AND EXPENSE

This document provides additional instructions to install PeopleSoft Enterprise Mobile Time and Expense.

The PeopleSoft Mobile Time and Expense application enables you to enter expense data without network and database connection. You can use that normally unproductive time spent in transit from one location to another to record time and track expenses.

This installation section covers the generation of “SyncIDs”. Synchronization IDs are unique sequence numbers assigned to each row within a database table.

Note. Installing Mobile Time and Expense or Mobile Time and Expense for Windows CE requires that you first set up PeopleSoft Enterprise Travel and Expense Application on the PeopleSoft Internet Architecture. In addition, PeopleSoft Sync Server Gateway and PeopleSoft Mobile Agent need to be set up.

Note. For installation instructions for the Sync Server Gateway and Mobile Agent, please refer to PeopleTools 8.48 Installation Guide – Appendix C PeopleTools Mobile Agent and Configuring the Web Server section.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 9-1	Generating the SyncIDs for PeopleSoft Mobile Time and Expense

Task 9-1: Generating the SyncIDs for PeopleSoft Mobile Time and Expense

To generate SyncIDs for the Mobile Time and Expense Application:

1. Log onto PeopleSoft Travel and Expense Application through the PeopleSoft Internet Architecture.
2. There are two ways of generating SyncIDs: Set Sync IDs or Set Sync ID process (via the Process Scheduler). If there is a large volume of data, it is highly recommended that the Set Sync ID process be selected. You can schedule this job to run over night. For smaller data volume or to Set Sync IDs immediately, select the “Set Sync IDs” option.

Set Sync IDs (Real-Time Process)

- a) To access Set Sync Ids, navigate to: PeopleTools, Utilities, Administration, Set Sync IDs.

The Set All Sync IDs page now displays:

Set All Sync IDs

Sets all invalid SyncIDs to valid SyncIDs

Reset All Sync IDs

Set Sync IDs

Status:

[Set All Sync IDs page](#)

- b) Click the **Set Sync IDs** button. The system will automatically start generating Sync IDs for all Mobile related records.

Set Sync ID Process (Batch Process via the Process Scheduler)

- a) To access the Set Sync ID Process, navigate to: PeopleTools, Utilities, Administration, Set Sync ID Process.

The following Run Control Search page appears:

Set Sync ID Process

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Value **Add a New Value**

Search by: **Run Control ID** begins with

Case Sensitive

[Advanced Search](#)

[Find an Existing Value](#) | [Add a New Value](#)

[Set Sync ID Process page](#)

- b) Click the **Add a New Value** link and enter a Run Control ID.
- c) Click the **Add** button.

The following Run Control page appears:

Syncidgen Ae Page

Run Control ID: Test

Application Engine program that sets Mobile SyncIDs

Reset All Sync IDs

Reset Sync ID For

[Syncidgen Ae Page](#)

- d) Make sure that the **Reset Sync ID For** dropdown box has *All Table* selected. Click the **Run** button.

The following Run Control page appears:

INSTALLING PEOPLESOFT ENTERPRISE 9.0 PAY/BILL MANAGEMENT

Task Overview

The following table summarizes the tasks in this document.

Task No.	Task Name
Task 10-1	Activating the Delivered Service Operations

Note: Pay/Bill Management is supported only on Microsoft SQL Server, Oracle and DB2/Unix.

Task 10-1: Activating the Delivered Service Operations

In this step, you activate service operations by running a sql script. Based on the contents of the FO_MESSAGES project, the script activates Service Operations, Routings, and Handlers, starts queues, and creates or activates Full Data Publish Rules.

To activate the delivered messages:

Note. FOR ORACLE CUSTOMERS ONLY: Please run the following statement against the FSCM 9.0 database using SQL*PLUS before running the following scripts: ALTER SESSION set NLS_Date_Format = 'YYYY-MM-DD'

1. Using a database query tool (iSQL, SQL*Plus, DB2 Command Window, etc.) log on to the FSCM database.

2. Open the SQL script <PS_HOME>\scripts\activate_all_fin.sql.
3. Review and edit the script, following the instructions in the script.
4. Run the script.

Note. You must also install PeopleSoft Enterprise Pay/Bill Management 9.0 for HRMS before you can fully use the Pay/Bill Management application. This installation is delivered on a separate CD called: *PeopleSoft Enterprise Pay/Bill Management for HRMS 9.0*. The complete installation instructions for Pay/Bill Management for HRMS are posted in a separate document on Customer Connection. See “*PeopleSoft Enterprise Pay/Bill Management 9.0 for HRMS Installation Instructions*”.

INSTALLING PEOPLESOFT ENTERPRISE 9.0 ESA AND FINANCIALS PORTAL PACKS

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 11-1	Grant Access to Navigation Pages
Task 11-2	Grant Access to Personalize the Portal Homepage
Task 11-3	Enabling Pagelet Creation and Access with Portal Utilities

Task 11-1: Grant Access to Navigation Pages

In order to access the Navigation Pages, security to the Navigation Page IScripts must be granted to all users. Using Data Mover, run the **EOPP_ADD_ROLE.DMS** script located in <PS_HOME>\scripts.

Note. When a new User ID is created, the EOPP_USER role should be added to the new User ID.

Task 11-2: Grant Access to Personalize the Portal Homepage

In order to add, remove or change the layout of the homepage, the homepage personalization security access must be granted to all non-guest users. To update the homepage personalization permission list, use Data Mover to run the **PORTAL_HP_PERS.DMS** script. To add the Portal User role to the user IDs, use

Data Mover to run the **PORTAL_ADD_ROLE.DMS** script. Both scripts are located in <PS_HOME>\scripts.

Note. The PAPP_USER role should be granted to all new User IDs for access to the Homepage personalization. After running this script, the role PAPP_USER should be manually removed from any GUEST User ID, since the GUEST user should not be personalizing the common homepage.

Task 11-3: Enabling Pagelet Creation and Access with Portal Utilities

Use Data Mover to run the **EOPP_PORTAL_PACK.DMS** script located in <PS_HOME>\scripts. This script enables creating and viewing pagelets using the Enterprise Components Portal Utilities.

Note. Only perform this task if you are licensed for Financials Portal Pack or Enterprise Portal.

INTEGRATING PEOPLESOFT ENTERPRISE 9.0 PROJECT COSTING & PROGRAM MANAGEMENT WITH MICROSOFT PROJECT 2002

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 12-1	Installing the PeopleSoft - Microsoft Project Integrator
Task 12-2	Configuring the PeopleSoft - Microsoft Project Integrator

The PeopleSoft - Microsoft Project Integrator is required for customers integrating PeopleSoft Project Costing and/or PeopleSoft Program Management with Microsoft Project 2002, (Windows 2000/Windows XP). It must be installed and running on each file server used as a point of integration.

Task 12-1: Installing the PeopleSoft - Microsoft Project Integrator

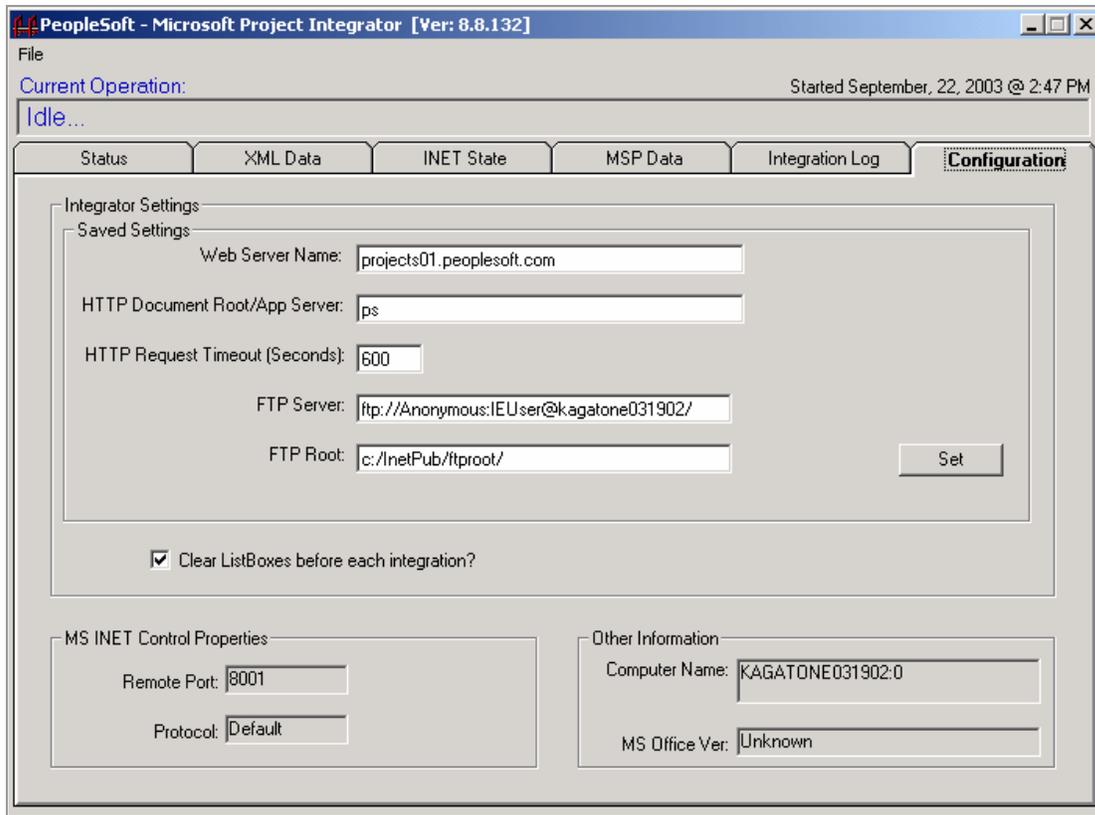
To install the project integrator:

1. Create a folder (<MSP_HOME>) for the MSP Integrator in the Windows machine that is dedicated as the Microsoft Project Integrator. For example: C:\MSP\
 2. From your file server, copy the files in <PS_HOME>/src/vb/msp to the Windows machine that is dedicated as the Microsoft Project Integrator in <MSP_HOME> folder.
 3. In order to register any missing ActiveX Controls in the Windows machine dedicated as the Microsoft Project Integrator, check the Windows installation directory (<WINDOWS_INST>), i.e. C:\WINNT\SYSTEM32, to see if the following OCXs exist:
 - i. Richtx32.ocx
 - ii. TABCTL32.OCX
 - iii. MSINET.OCX
 4. If you do not have the three OCXs listed above:
 - a. Copy the three OCXs from <PS_HOME>/src/vb/msp to <WINDOWS_INST>.
 - b. Copy **regmsp.bat** from <PS_HOME>/src/vb/msp to <WINDOWS_INST>.
 - c. Run <WINDOWS_INST>/ **regmsp.bat** to register the OCXs. For example,

C: \WI NNT\SYSTEM32\regmsp. bat

Task 12-2: Configuring the PeopleSoft - Microsoft Project Integrator

Launch <MSP_HOME> /PC_MSP2.EXE to start the Microsoft Project Integrator application. Once the MSP Integrator is running, it must be configured for your environment. Click on the Configuration tab and enter values in the fields described below.



PeopleSoft/Microsoft Project Integrator - Configuration tab

Web Server Name: Enter the name of the web server.

HTTP Document Root/App Server: Enter the Application Server name.

If you are unsure, launch your browser and log into PeopleSoft. View the URL address.



URL Address

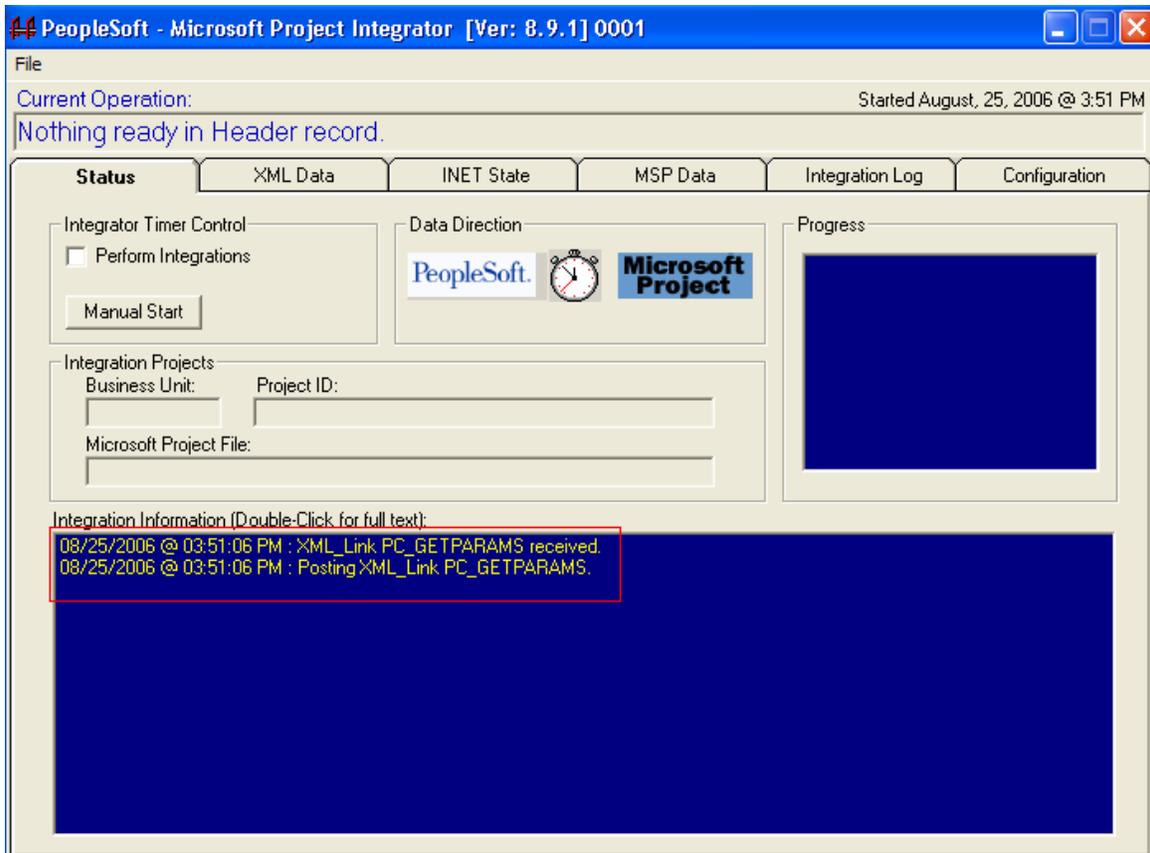
Use the URL to identify the Web server and Application Server.

In this example, **rt-ibm08.peoplesoft.com:6201** is entered as the Web Server Name and **e840r20ant** is entered as the HTTP Document Root/App Server.

FTP Server: Enter the FTP server that this integrator will use to direct the Application Server to send the .mpp files to integrate.

FTP Root: Enter the Windows file path to the root location of the FTP server. This is the file path used by Microsoft Project to find the .mpp files to integrate.

You can verify that the Integrator is running successfully when you see a message like the one highlighted in the screenshot below:



Microsoft Project Integrator – Integration Information message

Note: If you receive the following error in the XML Data tab the first time that you run the integrator:
10.5.1 500 Internal Server Error. The server encountered an unexpected condition which prevented it from fulfilling the request.

Open a browser and run the following URL:

`http://<WebServerName>/xmllink/<ApplicationServerName>/`

For example: `http://projects01.peoplesoft.com/xmllink/ps/`

Then run the integrator again.

To launch project integrator upon start up:

Create a shortcut to PC_MSP2.EXE in the server's Startup folder to ensure its initiation upon start up.

Note. PeopleSoft/Microsoft Project Integrators must be installed on a machine configured with Microsoft Project 2002. It is important that a user not use this machine for any other purpose. The Integrator supports Windows Terminal Server meaning that one machine may be used to run multiple Integrators.

DEFINING AN FTP SERVER FOR FILE ATTACHMENTS IN PEOPLESOFT ENTERPRISE 9.0 PROJECT COSTING

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 13-1	Defining an FTP Server for Project and Activity File Attachments

Task 13-1: Defining an FTP Server for Project and Activity File Attachments

This section discusses how to specify an FTP server for project and activity file attachments. You can store file attachments on the database or on a file server. You can then upload and download files by using the Attachments page that is available at both the project and activity levels in Project Costing.

To store file attachments on the database:

Select the database file attachment option on the Installation Options - Project Costing page. To access the Installation Options - Project Costing page, navigate to Set Up Financials/Supply Chain, Install, Installation Options, Project Costing. The database file attachment option appears in the File Attachment Option group box. Project Costing delivers the PC_PROJECTS_DB_ATTACHMENT URL. No additional step is required to set up this method for file attachments.

To store file attachments on a file server:

1. Ensure that the FTP server has adequate disk storage to store the project and activity documents.
2. Access the PC_PROJECTS_DOC_ATTACHMENT URL on the PeopleTools Utility URL Maintenance page at PeopleTools, Utilities, Administration, URLs. Project Costing delivers this URL.
3. Enter the URL path to the designated FTP server in this format:
ftp://<userID>:<password>@<machinename>.
 - a) Enter the <userID> of the user account under which all users connect to the FTP server for adding, updating, viewing, and deleting documents.
 - b) Enter the <password> that is associated with the user account under which all users connect to the FTP server.
 - c) Enter the <machine name> by which the FTP server is physically identified on the network. If you create an optional directory for document storage on the server, include the directory name when citing the path. You can also store attachments in the root directory of the FTP server.

Note. The user name and password that are specified here are critical. The system uses these to connect all users to the FTP attachment server.

4. On the Installation Options - Project Costing page at Set Up Financials/Supply Chain, Install, Installation Options, Project Costing, select the *File Server* file attachment option and enter the home directory where the attachment files will be stored.

See the “Using PeopleTools Utilities” chapter in the *Enterprise PeopleTools 8.48 PeopleBook: System and Server Administration* for information on the URL Maintenance page.

See the “Setting Installation Options for PeopleSoft Applications” chapter in the *PeopleSoft 9.0 Application Fundamentals for Financial Management Solutions, Enterprise Service Automation, and Supply Chain Management PeopleBook* for information on the Installation Options - Project Costing page.

INSTALLING PEOPLESOFT ENTERPRISE 9.0 STAFFING FRONT OFFICE

Note. Staffing Front Office is only supported on Microsoft SQL Server, Oracle and DB2/Unix.

Task Overview

The following table summarizes the tasks in this document.

Task No.	Task Name
Task 14-1	Setting Up Document Attachments
Task 14-2	Setting Up the Verity Search Engine (optional)

Task 14-1: Setting Up Document Attachments

In Peoplesoft Staffing Front Office 9.0, we use the standard attachments functionality. This functionality is used in many components by multiple Peoplesoft products.

If you are planning to use file attachments for Applicants, Employees, Orders, Assignments, Customers or Contacts then you need to set up an FTP server under:

Set Up Financials/Supply Chain > Common Definitions > File Attachments > Administer File Attachments.

Attachments to PeopleSoft Staffing Front Office Orders and Assignments are stored and retrieved from the server locations defined here. System administrators can configure one or more servers to store attachments. These servers can be FTP servers or database servers.

Using this page, system administrators can set up new servers and identify the active server. Administrators can add or modify the FTP root folder for FTP servers.

Pick Active Server	Select the server ID of the active (or default) server where all newly created attachments are stored. You can switch the active server at any time. All previously created attachments are still retrieved from the server where they originally were stored. The attachments keep a reference to the original server. This field is required.
Add FTP Server (add file transfer protocol server)	Click to insert a new row in the grid to define a new FTP server for attachments.
Add Database Server	<i>This is not applicable for Staffing Front Office attachments.</i>
ID	Displays the system-assigned ID number for each server on this page. When an attachment is stored to the server, the server ID is inserted into the attachment record. When you request to download (view) this attachment, the system retrieves it from the original server based on the server ID.
Type	Identifies the type of server based on whether you click the Add FTP Server button or the Add Database Server button. Once you have saved the row and exited the component, you cannot change the server type. Values are: <ul style="list-style-type: none"> • <i>FTP</i> (file transfer protocol server). • <i>DB</i> (database server). <i>Only FTP server is supported for Staffing Front Office attachments.</i>
Login	Enter or change the login name. This is required for FTP servers only.
Password	Enter or change the password corresponding to the Login Name. The password is required for FTP servers only.
Server/Record Name	Enter the machine name for the FTP server. Once you save the information, change the machine name only if the same FTP server is renamed. To add a different FTP server, click the Add FTP Server button to insert a new row into the grid and define the new server. You cannot delete servers because attachments could already be stored on them.
Path	Enter the subdirectory path under the server's FTP root where all attachments are to be stored. This is required for FTP servers only.

Note. You cannot delete a server after you save the row and exit from the component. After you exit the component, the system assumes that attachments could already be stored on this server location.

Component Subdirectories

This is *not* applicable for Staffing Front Office attachments.

Task 14-2: Setting Up the Verity Search Engine (optional)

Peoplesoft Staffing Front Office 9.0 utilizes the Verity Search Engine to address its search needs. The Verity Search Engine is a common functionality between Staffing and Resource Management.

If you are planning to use any of the search functionality in Peoplesoft Staffing Front Office 9.0, you need to set up your Search Configuration under:

Set Up Financials/Supply Chain > Common Definitions > Resource Search > Search Configuration

For more details, see section 'Setting Up the Verity Search Engine and Resource Matching Process' in the *Resource Management 9.0 PeopleBook*.

INSTALLING PEOPLESOFT ENTERPRISE 9.0 TRANSACTION BILLING PROCESSOR

The following instructions describe how to install PeopleSoft Enterprise 9.0 Transaction Billing Processor. The Transaction Billing Processor is an add-on project that is applied to the PeopleSoft FSCM 9.0 database for integration with the PeopleSoft CRM 9.0 database. Before applying the Transaction Billing Processor, make sure you have completed the following tasks:

- Installed PeopleTools 8.48.
- Installed the Financials 9.0 Database.
- Setup an Application Server and Web Server for the Financials 9.0 Database.
- Setup the Pub/Sub Domains and activate the domains on the Servers.
- Identify the Integration Gateways to be used for respective database and Load the Gateway connectors.
- Identify the Nodes within the respective databases that are going to be used for Sending and Receiving Integration Messages.
- Ensure that the identified nodes are setup as trusted nodes within each other.

Task Overview

The following table summarizes the tasks in this document.

Task No.	Task Name
Task 15-1	Turn On the Integration Queues (Channels) and Activate
Task 15-2	Turn On the Integration Service Operations (Messages) and Routings and Activate
Task 15-3	Setup Transformation for Contract Transaction Services.

Task 15-1: Turn On the Integration Queues (Channels) and Activate

To Turn on the integration queues:

1. Log onto the PeopleSoft Internet Application (PIA) in the Internet browser.
2. Navigate to PeopleTools → Integration Broker → Integration Setup → Queues → Queue Name: *CONTRACT*.
3. Set the Queue Status field to *Run*.
4. Save the Queue.

Queue Definitions

Archive Unordered

Queue Name: CONTRACT

Description: Contracts

Queue Status: Run

Object Owner ID: Contracts

Comments:

Operations Assigned to Queue

Service	Operation	Version
CONTRACT_REQUEST	CONTRACT_REQUEST	VERSION_1
CONTRACT_RESPONSE	CONTRACT_RESPONSE	VERSION_1
CONTRACT_TXN	CONTRACT_TXN	VERSION_1
CONTRACT_TXN	CONTRACT_TXN	VERSION_2
PENDING_ACTIVITY	PENDING_ACTIVITY	VERSION_1

Define Partitioning Fields

Include	Field	Alias Name
<input type="checkbox"/>	OPERATIONNAME	
<input type="checkbox"/>	PUBLISHER	
<input type="checkbox"/>	PUBPROC	

Save Add Field

[Queue Definitions page](#)

Task 15-2: Turn On the Integration Service Operations (Messages) and Routings and Activate

There are four service operations that you will need to activate.

- CONTRACT_REQUEST (Asynchronous)
- CONTRACT_RESPONSE (Asynchronous)
- CONTRACT_TXN (VERSION_2) (Asynchronous)
- PENDING_ACTIVITY (Synchronous)

For each of these service operations, PeopleSoft delivers routings. For example, Peoplesoft delivers a routing named CONTRACT_REQUEST for the service operation CONTRACT_REQUEST with the default Sender node as PSFT_CR and the default Receiver node as PSFT_EP.

However, Sender and Receiver nodes are editable ONLY when the routing is being newly created. Once created and saved, you cannot modify the Sender and Receiver nodes.

Therefore, new routings may need to be created in order to edit your Sender and Receiver nodes. Multiple routing instances can be created with different names for the same service operation. In the case detailed in the steps below CONTRACT_REQUEST is one instance and CONTRACT_REQUEST1 is another instance.

There are three ways that you can configure your nodes since the PeopleSoft delivered routings have already been created and the Nodes are not editable:

- Configure the nodes PSFT_CR and PSFT_EP with the valid databases so that the Sender Node PSFT_CR and Receiver Node PSFT_EP are valid and functional.
- Create a NEW routing instance of the service operation with a *different name* (CONTRACT_REQUEST1 as shown in the steps below) and then supply the proper Sender and Receiver nodes (which is prerequisite listed at the start).

Note. Creating a new routing instance of the service operation with a different name is the method that is detailed in the steps below. If you use one of the other methods, verify the correct Routings are active by navigating to PeopleTools → Integration Broker → Integration Setup → Services. Open each Service Operation and click on the Routings tab to see their status.

- Delete the Peoplesoft supplied Routing (CONTRACT_REQUEST) and then create a new instance of the Service operation.

To activate the service operations (messages):

1. Log onto the PeopleSoft Internet Application (PIA) in the Internet browser.

There are *two* ways that you can choose to open a Service Operation to Activate:

- a) By way of directly opening a Service Operation.

Navigate to PeopleTools → Integration Broker → Integration Setup → Service Operations. You can choose to filter through the Service Name or Service Operation: CONTRACT_REQUEST.

Service	Service Operation	Operation Type	Operation Alias
CONTRACT_REQUEST	CONTRACT_REQUEST	Asynchronous - One Way	
CONTRACT_RESPONSE	CONTRACT_RESPONSE	Asynchronous - One Way	
CONTRACT_TXN	CONTRACT_TXN	Asynchronous - One Way	

[Field Service Operation page](#)

- b) By way of opening a Service and then its corresponding Service Operation. Each Service has a corresponding Peoplesoft delivered Service Operation. For each of the Service Operations listed above you can open the Service that has the same name.

Navigate to PeopleTools → Integration Broker → Integration Setup → Services → Service Name: CONTRACT_REQUEST.

Services

Service: CONTRACT_REQUEST
Description:
Comments:
Service Alias:
Object Owner ID:
Namespace:

[View WSDL](#)

Service Operations

Service Operation:

Operation Type:

Existing Operations Customize | Find | View All | First 1 of 1 Last

Operation Message Links

Operation.Default Version	Description	Active	Operation Type
CONTRACT_REQUEST.VERSION_1	Contract Request	<input checked="" type="checkbox"/>	Asynch

[Services page](#)

Click the **CONTRACT_REQUEST.VERSION_1** link in the Operation tab of the Existing Operations grid that lists the Default Version. This link will open the Service Operation.

- Once a Service Operation has been opened by either of the two ways above, you can now activate and configure the same. On the General tab, select the **Active** check box to set the Service Operation to active and save the page.

General | **Handlers** | **Routings**

Service Operation: CONTRACT_REQUEST
Service: CONTRACT_REQUEST
Operation Type: Asynchronous - One Way

***Operation Description:** **User/Password Required**

Operation Comments:

Object Owner ID:

Operation Alias: [Service Operation Security](#)

Default Service Operation Version

***Version:** **Default** **Active**

Version Description:

Version Comments:

Non-Repudiation
 Runtime Schema Validation

[Introspection](#)

Routing Status

Any-to-Local: Does not exist
Local-to-Local: Does not exist

Routing Actions Upon Save

Generate Any-to-Local
 Generate Local-to-Local

Message Information

Type: Request

Message.Version: [View Message](#)

***Queue Name:** [View Queue](#) [Add New Queue](#)

General tab

- On the Handlers tab, if there are any handlers, set the **Status** field to *Active*. In the example below, the status has been set to *Active* for the handler name *ContractRequest*.

Note. CONTRACT_REQUEST and CONTRACT_TXN have handlers defined in FSCM for Contracts.

General | **Handlers** | **Routings**

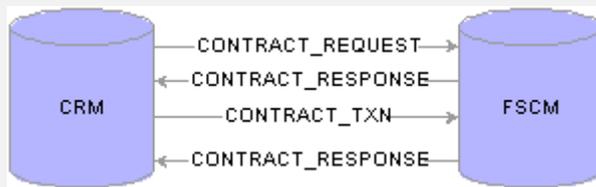
Service Operation: CONTRACT_REQUEST
Default Version: VERSION_1
Operation Type: Asynchronous - One Way

Handlers					
Customize Find View All First 1 of 1 Last					
*Name	*Type	*Implementation	*Status		
ContractRequest	OnNotify	App Class	Active	Details	<input type="button" value="+"/> <input type="button" value="-"/>

Handlers tab

4. On the Routings tab, enter a value in the Routing Name field such as CONTRACT_REQUEST and click the Add button to add a routing.
5. Configure the new Routing Definition as follows:
 - a) Select the **Active** check box.
 - b) Enter the correct Sender Node.

Note. As a prerequisite, the user must know which databases are being integrated. In the example of CONTRACT_REQUEST, the sender node will be the CRM database and the receiver node will be the Financials database. The receiver node is always the target database. In the case of CONTRACT_RESPONSE, the receiver node is the CRM database. The service operations (messages) flow as follows: CRM sends CONTRACT_REQUEST to Financials, Financials send CONTRACT_RESPONSE to CRM, CRM sends CONTRACT_TXN to Financials, and Financials sends PENDING_ACTIVITY to CRM.



Note. If the node fields are grayed out and unavailable for edit, you can create a new routing and configure it with the Nodes that you are configuring.

- c) Enter the correct Receiver Node.
- d) Enter the correct Object OwnerID if applicable.

Note. In the Financials database, the Object Owner ID is always Contracts.

- e) Click **Save**.

Routing Definitions		Parameters
Routing Name:	CONTRACT_REQUEST1	<input checked="" type="checkbox"/> Active
*Service Operation:	<input type="text" value="CONTRACT_REQUEST"/>	<input type="checkbox"/> System Generated
Version:	VERSION_1	
*Description:	<input type="text" value="CONTRACT_REQUEST1"/>	
Comments:	<input type="text"/>	
*Sender Node:	<input type="text" value="C900V20B"/>	
*Receiver Node:	<input type="text" value="PSFT_EP"/>	
Routing Type:	Asynchronous - One Way	
Object Owner ID:	<input type="text" value="Contracts"/>	
	<input type="button" value="Save"/>	<input type="button" value="Return"/>

[Routing Definitions page](#)

Perform these steps for the following service operations (messages):

- CONTRACT_RESPONSE
- CONTRACT_TXN (VERSION_2)
- PENDING_ACTIVITY

Task 15-3: Set up Transformation for Contract Transaction Service

PeopleSoft Enterprise Contracts in FSCM uses CONTRACT_TXN version 2 for all the processing related to Transaction Billing Processor. CRM uses CONTRACT_TXN version 1. The default version is version 1 in CRM whereas it is version 2 in FSCM. Due to the difference in the versions of the same message there is a need to set up *Transformation* of incoming message version 1 from CRM to version 2 in FSCM.

1. You need to open the CONTRACT_TXN Service Operation (Message) properties and activate the non-Default version 1 of the message (you have already activated the Default Version 2 in earlier steps). Both versions must be active in order for the transformation to work correctly. The necessary required steps are as follows:
 - a) Open PeopleTools → Integration Broker → Integration Setup → Service Operation → Service Name: CONTRACT_TXN.
 - b) You can also choose to open the Service Operation by opening the Services by opening PeopleTools → Integration Broker → Integration Setup → Services → Service Name:

CONTRACT_TXN. You will then have to click the **CONTRACT_TXN.VERSION_2** link in the Operation tab of the Existing Operations grid. This will open the Service operation CONTRACT_TXN as below.

General | Handlers | Routings

Service Operation: CONTRACT_TXN
Service: CONTRACT_TXN
Operation Type: Asynchronous - One Way

***Operation Description:** **User/Password Required**

Operation Comments:

Object Owner ID:

Operation Alias: [Service Operation Security](#)

Default Service Operation Version

***Version:** **Default** **Active**

Version Description:

Version Comments:

Non-Repudiation **Runtime Schema Validation**

[Introspection](#)

Routing Status

Any-to-Local:	Does not exist
Local-to-Local:	Does not exist

Routing Actions Upon Save

Generate Any-to-Local
 Generate Local-to-Local

[General tab \(page 1 of 2\)](#)

Message Information

Type: Request

Message.Version: [View Message](#)

***Queue Name:** [View Queue](#) [Add New Queue](#)

Non-Default Versions Customize | Find | First 1 of 1 Last

Version	Description	Active
VERSION_1	Contract Transactions	<input type="checkbox"/>

[General tab \(page 2 of 2\)](#)

- c) Click the **VERSION_1** link listed in the Non-Default Versions grid to open the Non-Default Version – VERSION_1 of the CONTRACT_TXN and enter the values as shown.

Service Operation Version

Service Operation:	CONTRACT_TXN	<input type="checkbox"/> Default	<input checked="" type="checkbox"/> Active
Service:	CONTRACT_TXN		
Service Operation Version:	VERSION_1		
Operation Type:	Asynchronous - One Way		
Description:	Contract Transactions		
Comments:	<div style="border: 1px solid gray; height: 40px;"></div>		
	<input type="checkbox"/> Non-Repudiation		
	<input type="checkbox"/> Runtime Schema Validation		

Message Information

Type:	Request	
Message.Version:	CONTRACT_TXN.VERSION_1	View Message
*Queue Name:	CONTRACT	View Queue Add New Queue

Logical Transforms

Mappings to and from the default service operation version: VERSION_2 Request Message
CONTRACT_TXN.VERSION_2

Transform From Default:	CA_TBP_TXN	View
Transform To Default:	CA_TBP_TXN	View

Service Operation Version page

- d) Activate the Service Operation by selecting the **Active** check box.
- e) Save the page.
2. Edit the routing parameters as follows:
 - a) On the Routings tab, select the routing link that you added or activated in the previous task.
 - b) Select the Parameters tab.
 - c) Select the Application Engine name *CA_TBP_TXN* for Transform Program 1.
 - d) Enter the External Alias with the name of *CONTRACT_TXN.VERSION_1*.
 - e) Enter *CONTRACT_TXN.VERSION_1* into the Message.Ver into Transform 1 field.
 - f) Enter *CONTRACT_TXN.VERSION_2* into the Message.Ver out of Transforms field.
 - g) Click **Save**.

Routing Name: CONTRACT_TXN1
Service Operation: CONTRACT_TXN
Service Operation Version: VERSION_2

Parameters

Type: Inbound Request

External Alias: CONTRACT_TXN.VERSION_1

[Alias References](#)

Message.Ver into Transform 1: CONTRACT_TXN.VERSION_1

Transform Program 1: CA_TBP_TXN

Transform Program 2:

Message.Ver out of Transforms: CONTRACT_TXN.VERSION_2

Save Return

Routing Definitions – Parameters page

Note. Clear the Application Server and Web Server cache before using the system.

Note. The installation of PeopleSoft Enterprise Transaction Billing Processor 9.0 for FMS is now complete.

INTEGRATING PEOPLESOFT ENTERPRISE 9.0 MAINTENANCE MANAGEMENT WITH MICROSOFT PROJECT

This procedure describes the installation to integrate PeopleSoft Enterprise Maintenance Management with Microsoft Project 2002. The integration software requires that you have previously installed and configured the following items:

- You must have a process scheduler server set up on a windows machine (Windows 2000) to run against the PeopleSoft Enterprise 9.0 Maintenance Management database. The integration with Microsoft Project 2002 uses a PeopleSoft process scheduler server to communicate with Microsoft Project 2002.
- The Microsoft Project 2002 Software has to be installed on the process scheduler server.

Task Overview

The following table lists the tasks required for integrating PeopleSoft Maintenance Management with Microsoft Project 2002. They are arranged in the sequence that they must be performed.

Task No.	Task Name
Task 16-1	Installing PeopleTools process scheduler on a windows machine
Task 16-2	Installing Microsoft Project 2002
Task 16-3	Configuring the MS project integration process

Task 16-1: Installing PeopleTools process scheduler on a windows machine

Follow the standard installation instruction to install PeopleTools on the windows machine (Windows 2000) and configure it as a process scheduler to connect to the PeopleSoft Enterprise 9.0 Financial database where the Maintenance Management product resides.

Task 16-2: Installing Microsoft Project 2002

Install Microsoft Project 2002 on the same windows machine where process scheduler server is installed.

Task 16-3: Configuring the MS project integration process

From the PeopleSoft Home page, click PeopleTools > Process Scheduler > Processes:

1. On the process search page, Select Search by Process name, and enter **WM_MSP** in the text box.
2. Click **Search** and select **WM_MSP**. The Process Definition page appears. Click the **Process Definition Options** Tab.
3. In the Server Name text box, enter the name of the process scheduler configured in Task 1.
4. Save the change.

The screenshot displays the 'Process Definition - Process Definition Options' page in PeopleTools. The left-hand navigation pane shows the 'Process Scheduler' section expanded, with 'Processes' selected. The main content area is divided into several sections:

- Process Definition Options** (Active Tab):
 - Process Type: Application Engine
 - Name: WM_MSP
 - Server Name: [Text Box]
 - Recurrence Name: [Text Box]
- On File Creation**:
 - File Dependency:
 - Wait for File: [Text Box] Time Out Max Minutes: 5
- System Recovery Process**:
 - Process Type: [Text Box]
 - Process Name: [Text Box]
- Process Security**:
 - Component: WM_MSP
 - Process Groups: WMALL

Process Definition - Process Definition Options page

INTEGRATING PEOPLESOFT ENTERPRISE 9.0 ASSET MANAGEMENT WITH ECENTERONE SPACE MANAGEMENT SOLUTION (OPTIONAL)

Peoplesoft 9.0 Asset Management integrates with CenterStone Software's eCenterOne Space Management solution, which provides the following functionality:

- Maintain floor plans, import CAD drawings into CAFM.
- Design and maintain layout space in CAFM.
- Assign resources or employees to spaces.
- Manage occupancy and vacancy rate in CAFM.
- Analyze capacity and forecast capacity needs in CAFM.

This is an optional integration and in Release 9.0 the Asset Management is integrated with eCenterOne, a 3rd party vendor, CenterStone Software's Space Management Solution.

Customers integrating with eCenterOne need to purchase Licensing directly from CenterStone, before the proceeding further with this installation.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 17-1	Installing Target Connector for CenterStone
Task 17-2	Local Gateway Configuration
Task 17-3	Configure ECENTERONETARGET Connector Properties
Task 17-4	Run Message Channel
Task 17-5	Activate Domain for Asynchronous Messaging
Task 17-6	Activate Routings, Service Operations, and Update Routings Properties
Task 17-7	Test eCenterOne node
Task 17-8	Restart Web and App Server
Task 17-9	Activate the Space Management Install Option
Task 17-10	Verify the Integration

Task 17-1: Installing Target Connector for CenterStone

The following are the connector files that are required to integrate with Centerstone.

- eCenterOneTargetConnector.class
- insert-email.xslt
- soap.jar

Download the above connector files from <http://www.centerstonesoft.com/integration>.

Note. If you are encountering problems accessing the URL or locating, downloading the files, please contact CenterStone support at **508.435.1510, option 4**. For all other issues contact Oracle Customer Support.

To install the target connector for CenterStone:

1. Copy the Files *eCenterOneTargetConnector.class* and *soap.jar* to the following directory:

```
<YOUR_INSTALLATION_ROOT>\webserv\peoplesoft\applications\peoplesoft\PSI GW\WEB-INF\classes\com\peoplesoft\pt\integrationgateway\targetconnector
```

2. Copy file *soap.jar* to the following directory:

```
<YOUR_INSTALLATION_ROOT>\webserv\peoplesoft\applications\peoplesoft\PSI GW\WEB-INF\lib
```

3. After copying the above files, restart the web server.

Task 17-2: Local Gateway Configuration

To configure the local gateway:

1. Navigate to PeopleTools→Integration Broker→Configuration→Gateways.
2. Click **Search**. The system automatically prompts you to the Local gateway.
3. Change the URL to <http://<WEBSRV>/PSIGW/PeopleSoftListeningConnector>.
4. Click **Save!**
5. Click **Load Gateway Connectors**. This ensures that all the existing connectors get installed on the gateway.
6. Make sure that one of the connectors is *ECENTERONETARGET*.
7. Click **Save** again. This will install the connectors.

PeopleSoft.

Home Worklist Add to Favorites Sign out

Local Gateway Load Balancer

URL:

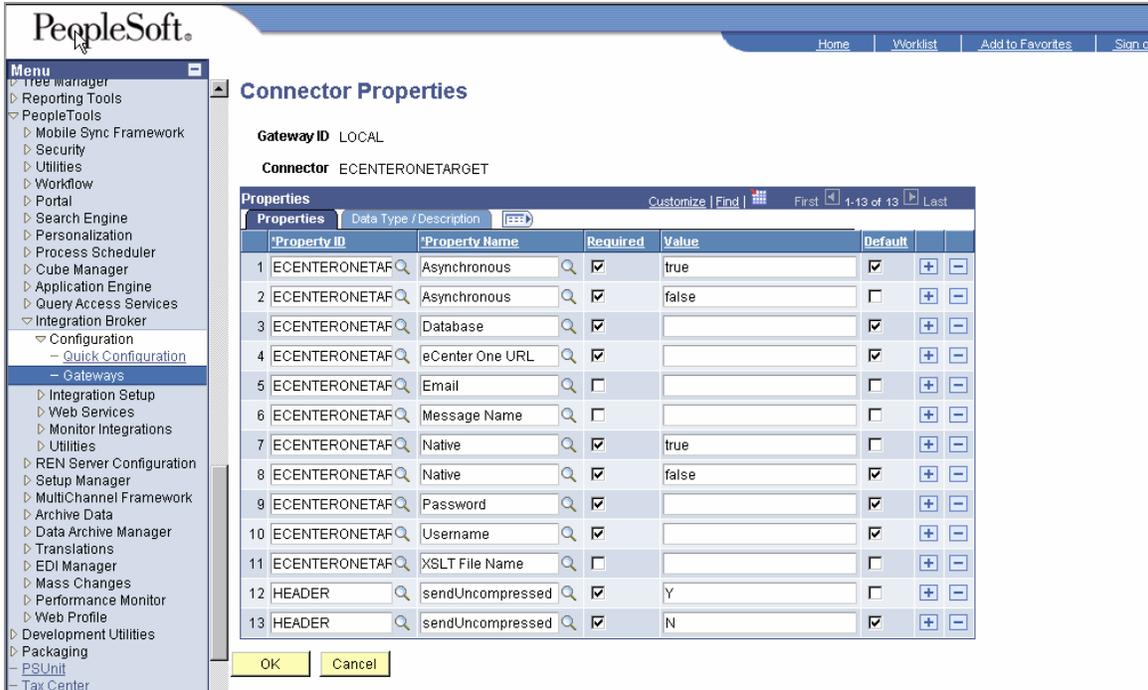
[Gateway Setup Properties](#)

*Connector ID	Description	*Connector Class Name	Properties	+	-
1	SMTPTARGET	SMTPTargetConnector	Properties	+	-
2	FILEOUTPUT	SimpleFileTargetConnector	Properties	+	-
3	POP3TARGET	POP3TargetConnector	Properties	+	-
4	PSFTTARGET	PeopleSoftTargetConnector	Properties	+	-
5	LDAPTARGET	LDAPTargetConnector	Properties	+	-
6	JMSTARGET	JMSTargetConnector	Properties	+	-
7	HTTPTARGET	HttpTargetConnector	Properties	+	-
8	GETMAILTARGET	GetMailTargetConnector	Properties	+	-
9	FTPTARGET	FTPTargetConnector	Properties	+	-
10	ECENTERONETARGET	ECenterOneTargetConnector	Properties	+	-
11	AS2TARGET	AS2TargetConnector	Properties	+	-
12	PSFT81TARGET	ApplicationMessagingTargetConnector	Properties	+	-

[Gateways page](#)

Task 17-3: Configure ECENTERONETARGET Connector Properties

Configure the eCenterOne Connector Properties to enable Messaging to the eCenterOne Server.



[Connector Properties page](#)

To configure ECENTERONETARGET connector properties:

1. Select the Connector Properties and update the Value field for the following Property Names.

PropertyID	Property Name	Description
ECENTERONETARGET	Database	Target eCenterOne Database Name
ECENTERONETARGET	Email	Email Address for Notifications from CenterStone
ECENTERONETARGET	eCenter One URL	eCenterOne Server URL
ECENTERONETARGET	Password	eCenterOne Server Password
ECENTERONETARGET	Username	eCenterOne Server Username

2. Save.

Task 17-4: Run Message Channel

To run the message channel:

1. Navigate to PeopleTools→Integration Broker→Integration Setup→Monitor MessageQueues.

2. Search for the *ASSET_MANAGEMENT* Message Channel and make sure that it is running.
3. If it has a status of *Paused*, click the **Run** button.

Queue Definitions

Queue Name: ASSET_MANAGEMENT
 Description: Channel for AssetWIT Assets
 Comments:

Archive Unordered
 Queue Status: Run
 Object Owner ID: Asset Mgmt

Operations Assigned to Queue

Operation	Version
ADD_ASSET_PUB	VERSION_1
ADD_EMP_PUB	VERSION_1
ADD_PROP_PUB	VERSION_1
GET_DISCOVERYDATA	VERSION_1
GET_DISCOVERYDATA_ACK	VERSION_1
GET_DISCOVERYDATA_STATUS_ACK	VERSION_1
LST_DELETEDPROPS_REQ	VERSION_1
LST_NEWPROPS_REQ	VERSION_1
SYN_DEPT_HIER_PUB	VERSION_1
SYN_EMP_PUB	VERSION_1

Define Partitioning Fields

Include	Field	Alias Name
<input type="checkbox"/>	OPERATIONNAME	
<input type="checkbox"/>	PUBLISHER	
<input type="checkbox"/>	PUBPROC	

Save Add Field

Queue Definitions page

Task 17-5: Activate Domain for Asynchronous Messaging

Asynchronous message handling in PeopleSoft is different from synchronous message handling. In the asynchronous mode, a message is dumped in a queue and a message handler then picks up the message and gives it to the message dispatcher. The dispatcher then delivers the message to the target node. To enable the message handler and dispatcher, make sure that your domain has publish/subscribe servers configured in psadmin.

Make Pub/Sub servers set to Yes as shown below.

```

Shortcut to psadmin
Quick-configure menu -- domain: AM900DUL
-----
Features
=====
1) Pub/Sub Servers : Yes
2) Quick Server : No
3) Query Servers : No
4) Jolt : Yes
5) Jolt Relay : No
6) WSL : No
7) PC Debugger : Yes
8) Event Notification: Yes
9) MCF Servers : No
10) Perf Collator : No
11) Analytic Servers : Yes
12) Domains Gateway : No

Settings
=====
15) DBNAME : [AM900DUL]
16) DBTYPE : [MICROSOFT]
17) UserId : [DUPI]
18) UserPswd : [DIAPER]
19) DomainID : [TESTSERU]
20) AddToPATH : [C:\Apps\DB\MSSQL\Binn]
21) ConnectID : [people]
22) ConnectPswd: [people]
23) ServerName : []
24) WSL Port : [7000]
25) JSL Port : [9000]
26) JRAD Port : [9100]

Actions
=====
13) Load config as shown
14) Custom configuration
h) Help for this menu
q) Return to previous menu

Enter selection <1-26, h, or q>:

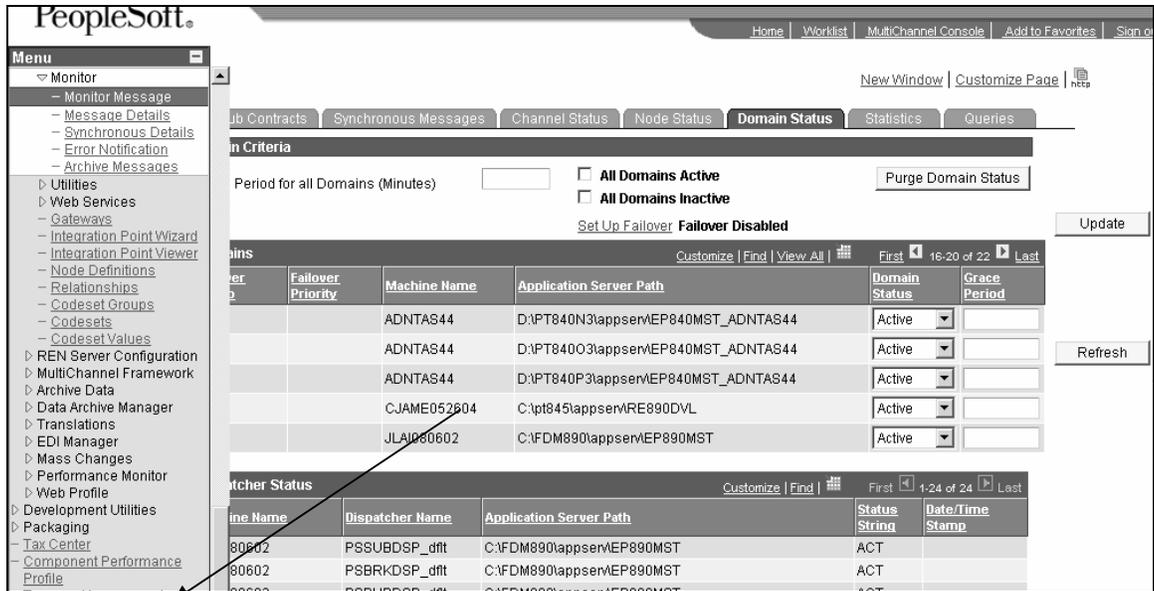
```

Note. Psadmin configuration is used to support asynchronous messaging, after starting your app server you will see two new processes one for Message Handler, and one for message dispatcher.

After configuring your app server, you need to activate your domain through PIA to ensure Handler and Dispatcher pick up your asynchronous messages.

To activate your domain:

1. Select the Connector Properties and update the **Value** field for the following Property Names.
2. Navigate to PeopleTools → Integration Broker → Service Operations Monitor → Monitor MessageAdministration → Domain Status.
3. Click the Domain Status tab.
4. Search for your domain and make the **Domain Status** field *Active*. Notice that in the figure below, my domain is distinguished through my machine name.



Domain My domain

Task 17-6: Activate Routings, Service Operations, and Update Transaction Routings Properties

Note. **FOR ORACLE CUSTOMERS ONLY:** Please run the following statement against the FSCM 9.0 database using SQL*PLUS before running the following scripts: ALTER SESSION set NLS_Date_Format = 'YYYY-MM-DD'

1. Using a database query tool (iSQL, SQL*Plus, DB2 Command Window, etc.) log onto the target FSCM database.
2. Run the following scripts from the Scripts directory under the folder where the Asset Management FSCM CD was installed.

Note. Please edit the following scripts before running them.

AM_CAFM_IB_UPDATE.SQL Edit the entries in the above SQL file and update the values between delimiters << and >> in **single quotes**.

<<URL>>

<<DATABASE>>

<<USERNAME>>

<<PASSWORD>>

Centerstone Inc should provide the Above Properties, when eCenterOne Software is purchased.

Example:

```
Update PSRTNGDFNCONPRP set PROPVALUE = 'http://centerstone3.ecenterone.com' where
PROPNAME = 'eCenter One URL' and ROUTINGDEFNNAME IN (select ROUTINGDEFNNAME from
PSIBRTNGDEFN where RECEIVERNODENAME = 'PSFT_XOUTBND' and IB_OPERATIONNAME IN
('ADD_EMP_PUB', 'ADD_PROP_PUB', 'SYN_DEPT_HIER_PUB', 'SYN_EMP_PUB', 'UPD_EMP_PUB', 'UPD_PR
OPIID_PUB', 'LST_DELETEDPROPS_REQ', 'LST_NEWPROPS_REQ', 'UPD_EMPLOC_REQ', 'UPD_PROP_REQ'))
;
```

Task 17-7: Test eCenterOne node

Create an eCenterOne test node and ping to make sure the connection properties are good.

To test eCenterOne node:

1. Navigate to PeopleTools→Integration Broker→Integration Setup→Nodes.
2. Add a new test node ex: *ECENTERONE_TEST*.
3. Enter values in the **Description** and **Default User Id** fields on the Node Definitions tab.

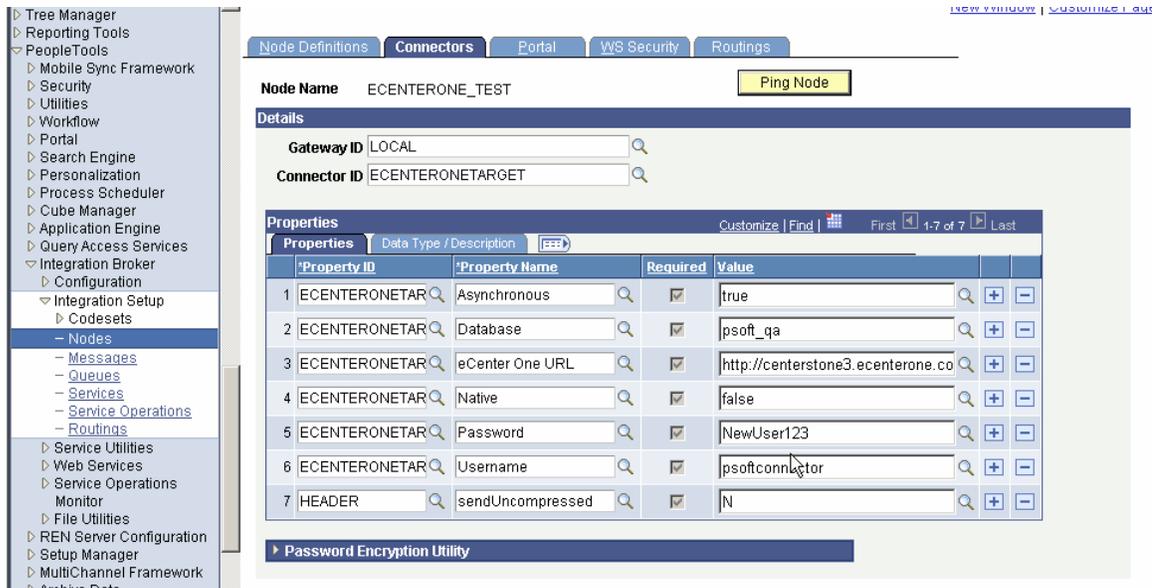
The screenshot shows the 'Node Definitions' tab in the PeopleTools interface. The left-hand navigation pane is expanded to 'Integration Setup' > 'Nodes'. The main content area displays the configuration for a node named 'ECENTERONE_TEST'. The fields are as follows:

- Node Name:** ECENTERONE_TEST
- *Description:** Test eCenterOne
- *Node Type:** PIA
- *Routing Type:** Implicit
- *Authentication Option:** None
- *Default User ID:** DVP1
- Hub Node:** (empty)
- Master Node:** (empty)
- Company ID:** (empty)
- IB Throttle Threshold:** (empty)
- Image Name:** (empty)
- Code Set Group Name:** (empty)

On the right side, there are several checkboxes: Default Local Node, Local Node, Active Node, Non-Repudiation, and Segment Aware. At the bottom, there are links for 'Contact/Notes' and 'Properties', and a 'Save' button.

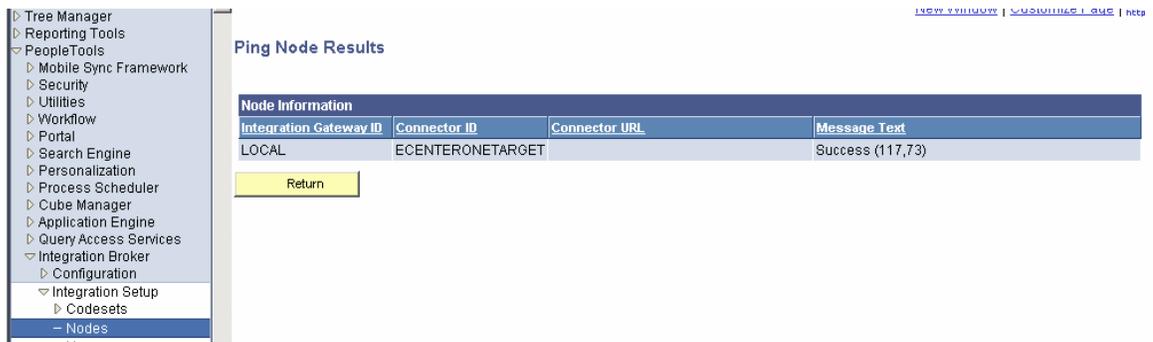
[Node Definitions page](#)

4. Go to the Connectors tab and select *ECENTERONETARGET* in the Connector Id field.



Connectors tab

5. Save and ping the node to make sure that it is successful. The Message Text will show *Success*.



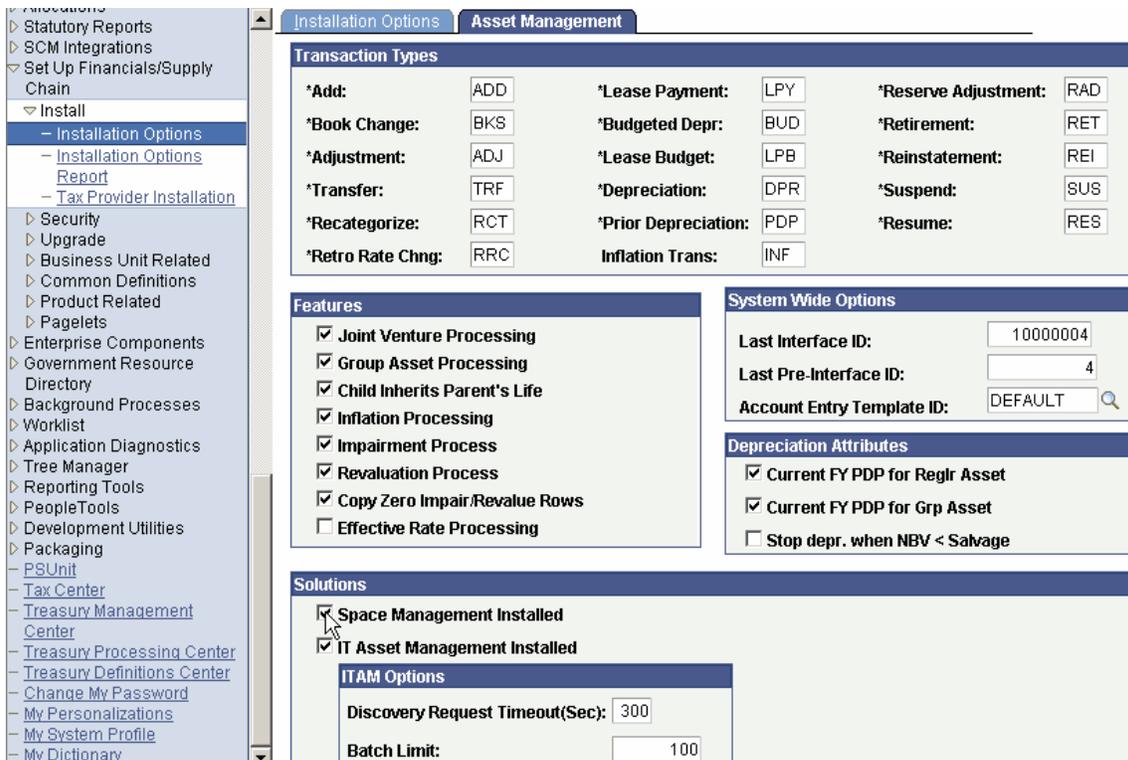
Ping Node Results page

Task 17-8: Restart Web and Appserver

Shut down the Appserver and Webserver and restart them.

Task 17-9: Activate the Space Management Install Option

Select the check box for **Space Management Installed** as shown in the page below:



Installation Options – Asset Management page

Task 17-10: Verify the Integration

Verify Node Definitions

To verify the node definitions:

1. From the main menu, click **People Tools**.
2. Click **Integration Broker**.
3. Click **Integration Setup**.
4. Click **Nodes** and enter the search criteria *PSFT_XOUTBND*
5. Click the **Routings** tab.

Node Name: PSFT_XOUTBND

Routing Name: [Add](#)

Selected	Name	Service Operation	Service Operation Version	Routing Type	Send
<input type="checkbox"/>	ACCOUNT_CHARTFIELD_FULLLSYN_OUT	ACCOUNT_CHARTFIELD_FULLLSYNC	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ACCOUNT_CHARTFIELD_SYNC_OUT	ACCOUNT_CHARTFIELD_SYNC	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ACTION_REASON_FULLLSYN_OUT	ACTION_REASON_FULLLSYNC	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ACTION_REASON_SYNC_OUT	ACTION_REASON_SYNC	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ADD_EMP_PUB	ADD_EMP_PUB	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ADD_PROP_PUB	ADD_PROP_PUB	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ADVANCED_SHIPPING_NOTI_EDL_856	ADVANCED_SHIPPING_NOTICE	VERSION_2	Asynch	PSFT
<input type="checkbox"/>	ADVANCED_SHIPPING_NOTICE	ADVANCED_SHIPPING_NOTICE	VERSION_2	Asynch	PSFT
<input type="checkbox"/>	ADVANCED_SHIPPING_NOTICE_V1	ADVANCED_SHIPPING_NOTICE	VERSION_1	Asynch	PSFT
<input type="checkbox"/>	ALTACCT_CF_FULLLSYN_OUT	ALTACCT_CF_FULLLSYNC	VERSION_1	Asynch	PSFT

[Select All](#) [Deselect All](#)

Routings tab

6. Verify that there are routings defined for the PSFT_XOUTBND Node for the following messages:

- ADD_EMP_PUB
- ADD_PROP_PUB
- SYNC_DEPT_HIER_PUB
- SYN_EMP_PUB
- UPD_EMP_PUB
- UPD_PROPID_PUB
- LST_DELETEDPROPS_REQ
- LST_NEWPROPS_REQ
- UPD_EMPLOC_REQ
- UPD_PROP_REQ

For each Routing, click the **Detail** link. Verify that the details are correct.

Transactions Messages Connectors

Node Name PSFT_XOUTBND

Transaction Detail

Effective Date 09/30/2004

Transaction Type OutAsync

Request Message ADD_EMP_PUB

Request Message Version VERSION_1

*Status Active

Routing Type Implicit

Override Connector

Gateway ID LOCAL

Connector ECENTERONETARGET

Comment

[Return to Transaction List](#)

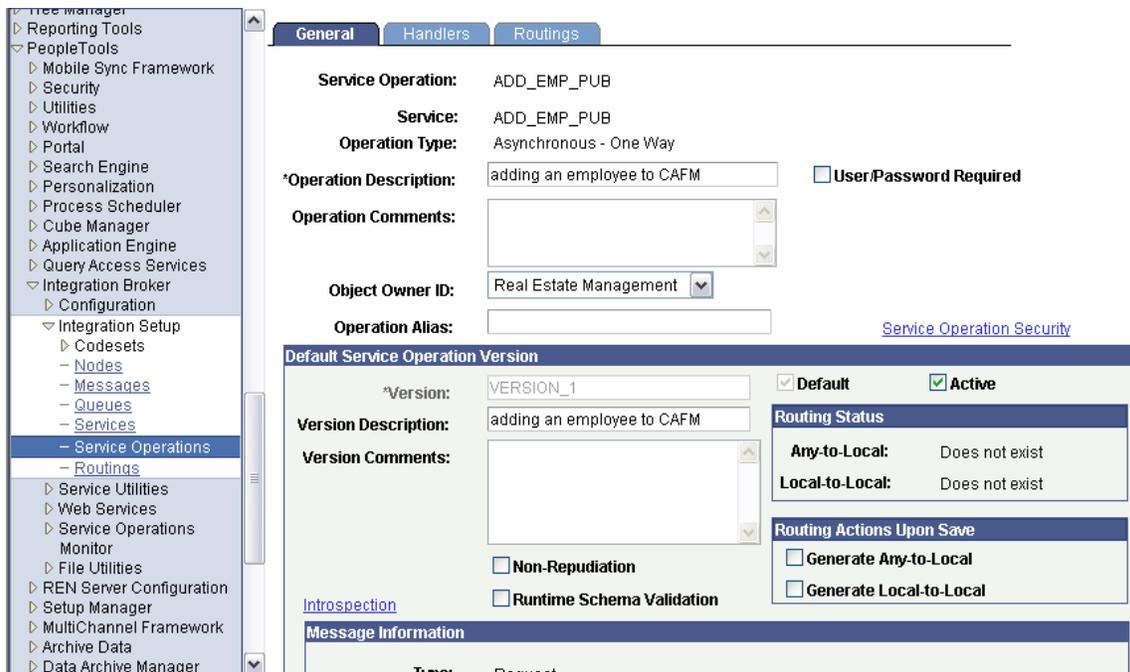
Save

[Transactions page](#)

Verify Service Operations

To verify the service operations:

1. From the main menu, click **People Tools**.
2. Click **Integration Broker**.
3. Click **Integration Setup**.
4. Click **Service Operations**.
5. Enter *ADD_EMP_PUB* in the search criteria. Verify that the details are correct. Verify that the details are correct for all other service operations also.



Service Operations – General page

Test the Department Publish Message

To test the department publish message:

1. From the main menu, select Tree Manager → Tree Manager.
2. Create a new test tree in order to verify the message. Click the Create New Tree tab and then enter a suitable name (e.g. CAFM_TEST_TREE).
3. Enter *DEPTID* in the **Structure ID** field.

Tree Definition and Properties

*Tree Name:

*Structure ID:

*Effective Date: *Status:

*Description:

*Category:

*Use of Levels: [Performance Methods](#)

*SetID:

Audits	Item Counts
<input type="checkbox"/> All Detail Values in this Tree	Node Count: 0
<input type="checkbox"/> Allow Duplicate Detail Values	Leaf Count: 0
	Level Count: 0
	Branch Count: 0

[Tree Definition and Properties page](#)

4. Enter an appropriate SetID and click **OK**.

Note. This tree needs to be a **Detail** tree, where each Node in the tree has one and **ONLY** One Node Detail.

5. In the Step 1 section of the Enter Root Node for Tree page, click the **Add Level** button. Enter a tree level of *Department* and then click **Save**.
6. In the **Root Node** field, enter *ALL DEPARTMENTS*.

Enter Root Node for Tree

Tree Name: CAFM_TEST_TREE

Step 1: Set Up Tree Levels

Tree Levels				
Level Name	All Values	Description	View Detail	Delete Level
DEPARTMENT	<input checked="" type="checkbox"/>	Department	View Detail	Delete Level

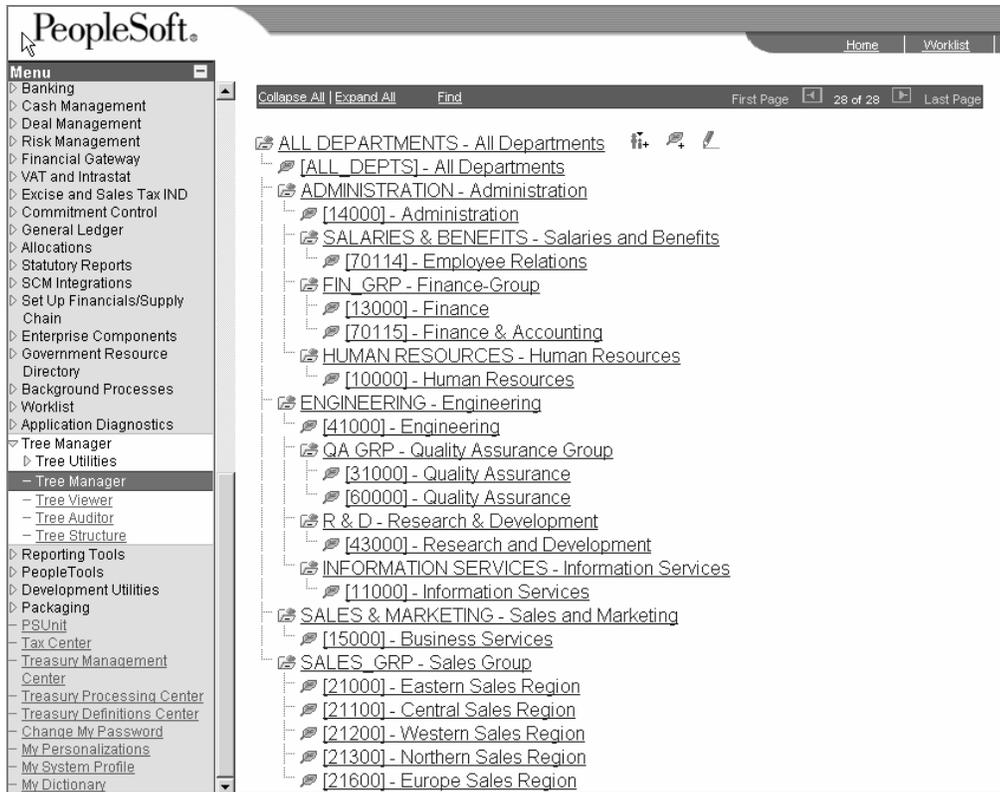
[Add Level](#)

Step 2: Define Root Node

*Root Node:

[Enter Root Node for Tree page](#)

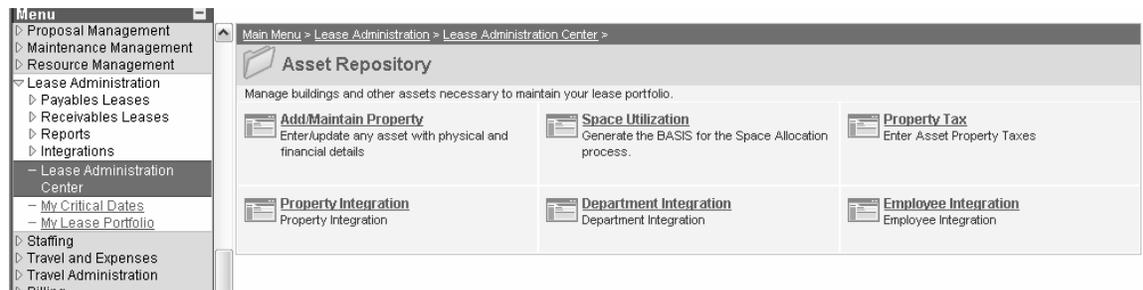
7. Click **OK**.
8. Add as many nodes to this tree as you wish. Be sure to include both parent and child nodes. The following is a representative sample:



Tree Manager

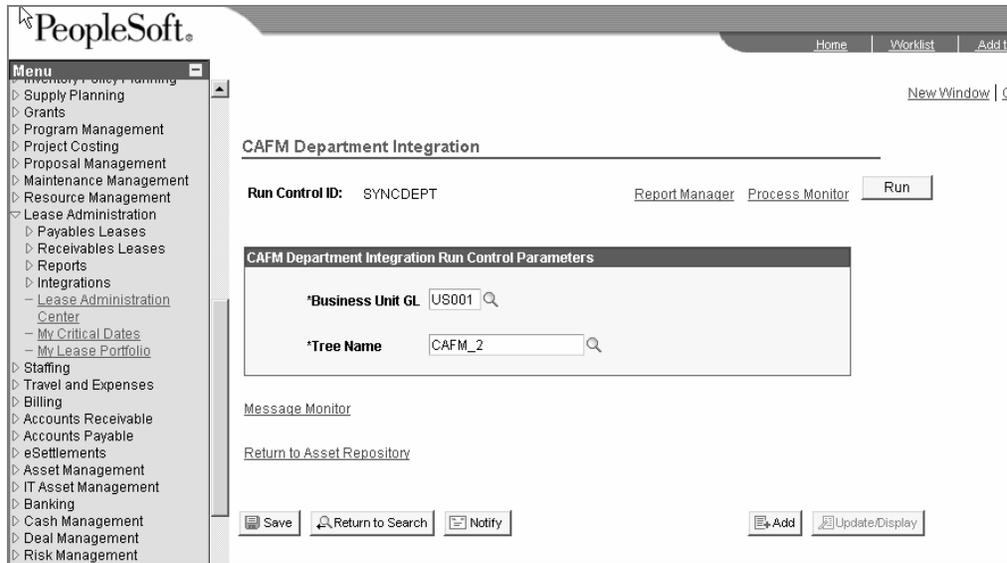
9. Save and close the tree when you are done.
10. Next, publish the Tree to eCenterOne.
 - a) Use the following navigation to locate the CAFM Department publication process:

Main Menu → Lease Administration → Lease Administration Center → Asset Repository → Department Integration



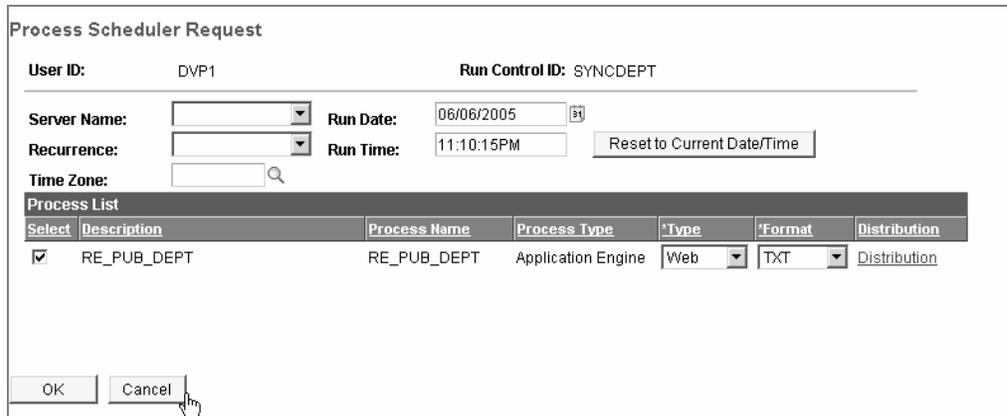
Asset Repository menu

- b) Enter the run control parameters. Use the Tree Name *CAFM TEST TREE* that we defined in the previous step.



CAFM Department Integration page

- c) Click **Run**.



Process Scheduler Request page

- d) Click **OK** to execute the task. This takes you back to the run control page. Use the **Process Monitor** link to ensure that the task completes successfully. This task must complete successfully before you can verify that the departments were published to eCenterOne.

11. Log into the eCenterOne application. Use the Business Unit search to verify that the departments defined in the tree that we created were successfully published to eCenterOne.

(Your list will look different than the sample shown below)

eCenterOne Logout

RECORD EDIT HELP

HOME STRUCT UNITS BUS UNITS HR ASSETS LEASING OPS MGT PROJ MGT REPORTS CORP MAP SETUP USER MGT

Information

Load Search: -- Default BusinessUnit Sear... CREATE CUSTOM SEARCH ?

Search Filters

Bus Unit Name: Bus Unit Type: Bus Unit #: Parent Bus Unit Name:

Assignment: Bldg. Name:

SEARCH CLEAR SAVE FILTER SET SAVE SEARCH AS...

BusinessUnits

- US001 TOP LEVEL BU (US001)
 - ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)
 - 14000 PSFT LEVEL 3 (14000)
 - 10000 PSFT LEVEL 4 (10000)
 - 13000 PSFT LEVEL 4 (13000)
 - 70114 PSFT LEVEL 4 (70114)
 - 70115 PSFT LEVEL 4 (70115)
 - INACTIVE 10500 PSFT LEVEL 4 (10500)
 - 15000 PSFT LEVEL 3 (15000)
 - 21000 PSFT LEVEL 3 (21000)
 - 21100 PSFT LEVEL 3 (21100)
 - 21200 PSFT LEVEL 3 (21200)
 - 21300 PSFT LEVEL 3 (21300)
 - 21600 PSFT LEVEL 3 (21600)
 - 41000 PSFT LEVEL 3 (41000)
 - 11000 PSFT LEVEL 4 (11000)
 - 31000 PSFT LEVEL 4 (31000)
 - 43000 PSFT LEVEL 4 (43000)
 - 60000 PSFT LEVEL 4 (60000)
 - INACTIVE 22000 PSFT LEVEL 3 (22000)
- US004 TOP LEVEL BU (US004)

Business Unit Name	Business Unit Type	Parent Business Unit	Number	Description
-INACTIVE 10500	PSFT LEVEL 4	14000	10500	Benefits
-INACTIVE 22000	PSFT LEVEL 3	ALL_DEPTS	22000	Sales and Services
10000	PSFT LEVEL 4	14000	10000	Human Resources
11000	PSFT LEVEL 4	41000	11000	Information Services
13000	PSFT LEVEL 4	14000	13000	Finance
14000	PSFT LEVEL 3	ALL_DEPTS	14000	Administration
15000	PSFT LEVEL 3	ALL_DEPTS	15000	Business Services
21000	PSFT LEVEL 3	ALL_DEPTS	21000	Eastern Sales Region
21100	PSFT LEVEL 3	ALL_DEPTS	21100	Central Sales Region
21200	PSFT LEVEL 3	ALL_DEPTS	21200	Western Sales Region
21300	PSFT LEVEL 3	ALL_DEPTS	21300	Northern Sales Region
21600	PSFT LEVEL 3	ALL_DEPTS	21600	Europe Sales Region
31000	PSFT LEVEL 4	41000	31000	Quality Assurance
41000	PSFT LEVEL 3	ALL_DEPTS	41000	Engineering
43000	PSFT LEVEL 4	41000	43000	Research and Development
60000	PSFT LEVEL 4	41000	60000	Quality Assurance
70114	PSFT LEVEL 4	14000	70114	Employee Relations
70115	PSFT LEVEL 4	14000	70115	Finance & Accounting
ALL_DEPTS	PSFT LEVEL 2	US001	ALL_DEPTS	All Departments

eCenterOne

Test the Employee Publish Message

To test the employee publish message:

1. Access the employee publication process using the following navigation path:
Menu → Lease Administration → Lease Administration Center → Asset Repository → Employee Integration

On the run control page:

CAFM Employee Integration

Run Control ID: SYNCEMPLOYEES [Report Manager](#) [Process Monitor](#)

Report Request Parameters

No parameters required.

[Message Monitor](#)

[Return to Asset Repository](#)

[CAFM Employee Integration page](#)

Click **Run**.

Process Scheduler Request

User ID: DVP1 **Run Control ID:** SYNCEMPLOYEES

Server Name: **Run Date:** 06/06/2005

Recurrence: **Run Time:** 11:16:49PM

Time Zone:

Process List

Select	Description	Process Name	Process Type	*Type	*Format	Distribution
<input checked="" type="checkbox"/>	RE_PUB_EMPL	RE_PUB_EMPL	Application Engine	Web	TXT	Distribution

[Process Scheduler Request page](#)

Click **OK** to execute the task. This takes you back to the run control page. Use the **Process Monitor** link to ensure that the task completes successfully. This task must complete successfully before we can verify that the employees were published to eCenterOne.

2. Log into the eCenterOne application. Use the HR search to verify that the employees were successfully published to eCenterOne.

eCenterOne Logout

RECORD EDIT HELP

HOME STRUCT UNITS BUS UNITS HR ASSETS LEASING OPS MGT PROJ MGT REPORTS CORP MAP SETUP USER MGT

Information

Load Search: -- Default HumanResource ... CREATE CUSTOM SEARCH ?

Search Filters

First Name: Last Name: Bus Unit Type:

Bus Unit Name: Employment Type: Employee #:

Title: Assignment: Building:

Floor Number: Mail Stop: HR Status:

SEARCH CLEAR SAVE FILTER SET SAVE SEARCH AS...

ADD Human Resource DELETE Human Resource SAVE RESULTS TO FILE

Name	Business Unit Name	Business Unit Parent Name	Employee Number	Employee Type
Albright, Anthony	22000 PSFT LEVEL 3 (22000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	IXHEEE202	H
Angelini, Gina	14000 PSFT LEVEL 3 (14000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	IXHEEE102	H
Approver, Al	15000 PSFT LEVEL 3 (15000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	SP114	
Approver, Anne	14000 PSFT LEVEL 3 (14000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	SP116	
Approver, Art	43000 PSFT LEVEL 4 (43000)	41000 PSFT LEVEL 3 (41000)	SP115	
B, Sudip	10000 PSFT LEVEL 4 (10000)	14000 PSFT LEVEL 3 (14000)	SUDIP	
Baker, John	11000 PSFT LEVEL 4 (11000)	41000 PSFT LEVEL 3 (41000)	KUTZ496	
Barbato, Sharon	22000 PSFT LEVEL 3 (22000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	IXHEEE215	H
Barfield, John	14000 PSFT LEVEL 3 (14000)	ALL_DEPTS PSFT LEVEL 2 (ALL_DEPTS)	IXHEEE142	H
Bendetto, Jessica	13000 PSFT LEVEL 4 (13000)	14000 PSFT LEVEL 3 (14000)	KU0021	H
Bendetto, John	13000 PSFT LEVEL 4 (13000)	14000 PSFT LEVEL 3 (14000)	KU0011	H

eCenterOne – HR search

Test the Property Publish Message

To test the property publish message:

1. First, create some property assets to publish to eCenterOne. We will create one Site and one Building.
2. Access the Asset Repository using the following navigation:
Menu → Asset Management → Asset Transactions → Owned Assets → Basic Add
3. To create a new Site, add a new value for business unit US001. Enter the values as shown below:

Asset Information1	Asset Information2	Asset Acquisition Detail	Location/Comments/Attributes
Unit: US001 Asset ID: NEXT		Tag: In Service	
Asset Information			
Description:	CAFMSITE	Short Description:	CAFMSITE
CAP #:	<input type="text"/>	Seq #:	<input type="text"/>
<input type="checkbox"/> Taggable Asset	Tag Number:	<input type="text"/>	
Asset Class:	<input type="text"/>	Set R and D Info...	
Asset Type:	Property	Asset Warehouse Mapping	
Asset Subtype:	<input type="text"/>	Auction Status:	<input type="text"/>
*Asset Status:	In Service	Region Code:	<input type="text"/>
Acquisition Date:	01/01/1900	<input type="checkbox"/> Capitalized Asset	
In Service Dt:	01/01/1900	<input checked="" type="checkbox"/> New Asset	
Collateral Asset:	<input type="text"/>	<input type="checkbox"/> Available For Use	
*Acquisition Code:	Purchased	<input type="checkbox"/> Composite Asset	Composite Asset ID: <input type="text"/>
FERC Code:	<input type="text"/>		
Financing Code:	<input type="text"/>		
Replacement Cost:	<input type="text"/>	Last Update:	<input type="text"/>
Index Name:	<input type="text"/>		
SubIndex Name:	<input type="text"/>		
Parent/Child:	None	Parent ID:	<input type="text"/>
Profile ID:	<input type="text"/>	Book Page	
<input type="button" value="Save"/>		<input type="button" value="Add"/> <input type="button" value="Update/Display"/> <input type="button" value="Include History"/> <input type="button" value="Correct History"/>	

Asset Information1 page

Click the Asset Property tab (it may be off the screen to the right, use the  control at the top of the page to access the additional pages).

Asset Acquisition Detail	Location/Comments/Attributes	Manufacture/License/Custodian	Asset Property
Unit: US001 Asset ID: 000000000098		Tag: In Service	
Property Information			
Property ID:	0000000231		
*Property Class:	Site		
Property Subclass:	<input type="text"/>		
*Property Name:	CAFMSITE		
*Description:	CAFMSITE		
Hierarchy			
Parent Property:	<input type="text"/>		
Site ID:	0000000231	Building ID:	<input type="text"/>
Floor ID:	<input type="text"/>	Area ID:	<input type="text"/>
Attributes			
*Total Area:	1000.000	*Unit of Measure:	Square Feet
Occupancy:	Occupied	Current Occupancy:	<input type="text"/>
Ownership:	Owned	Maximum Occupancy:	<input type="text"/>
Description			
Parcel Number:	<input type="text"/>		
Lot Number:	<input type="text"/>		
Block Number:	<input type="text"/>		
Legal Description:	<input type="text"/>		
Enter Property Taxes			

Asset Property tab

Click **Save**.

- Next, create the Building. Click **Add**. Enter *US001* as the business unit and click **Add**. Enter the details as shown:

Asset Information1		Asset Information2		Asset Acquisition Detail		Location/Comments/Attributes	
Unit: US001		Asset ID: NEXT		Tag:		In Service	
Asset Information							
Description:	CAFMBuilding			Short Description:	CAFMBLDG		
CAP #:		Seq #:		Set R. and D. Info...			
<input type="checkbox"/> Taggable Asset	Tag Number:						
Asset Class:				Asset Warehouse Mapping			
Asset Type:	Property			Auction Status:			
Asset Subtype:				Region Code:			
*Asset Status:	In Service			<input type="checkbox"/> Capitalized Asset			
Acquisition Date:	01/01/1900			<input checked="" type="checkbox"/> New Asset			
In Service Dt:	01/01/1900			<input type="checkbox"/> Available For Use			
Collateral Asset:				<input type="checkbox"/> Composite Asset			
*Acquisition Code:	Purchased			Composite Asset ID:			
FERC Code:							
Financing Code:							
Replacement Cost:				Last Update:			
Index Name:							
SubIndex Name:							
Parent/Child:	None			Parent ID:			
Profile ID:				Book Page			

[Asset Information1 page](#)

Access the Property page, and enter the values as shown. Be sure to associate the Building with the Site we created by setting the Parent Property:

Asset Acquisition Detail		Location/Comments/Attributes		Manufacture/License/Custodian		Asset Property	
Unit:	US001	Asset ID:	000000000099	Tag:		In Service	
Property Information							
Property ID:	0000000232						
*Property Class:	Building						
Property Subclass:	<input type="text"/>						
*Property Name:	CAFM Building						
*Description:	CAFM Building						
Hierarchy							
*Parent Property:	0000000231 CAFM Test Site						
*Site ID:	0000000231	Building ID:	0000000232	Floor ID:	<input type="text"/>	Area ID:	<input type="text"/>
Attributes							
*Total Area:	900.000	*Unit of Measure:	Square Feet				
Occupancy:	Occupied	Current Occupancy:	100				
Ownership:	Leased	Maximum Occupancy:	100				
Description							
Parcel Number:	<input type="text"/>						
Lot Number:	<input type="text"/>						
Block Number:	<input type="text"/>						
Legal Description:	<input type="text"/>						

[Asset Property tab](#)

Click **Save**.

5. Access the property publication process using the following navigation path.
Menu → Lease Administration → Lease Administration Center → Asset Repository → Property Integration
6. Enter the run control parameters as shown:

CAFM Property Integration

Run Control ID: CAFM PROP PUB/SUB [Report Manager](#) [Process Monitor](#)

Description	Sync Option
1 Request for Employee Location from CAFM	Incremental Sync
2 Request for Property Size and Occupancy from CAFM	Incremental Sync
3 Request for New and Deleted Properties from CAFM	Incremental Sync

[Message Monitor](#)

[Return to Asset Repository](#)

[CAFM Property Integration page](#)

Click **Run**. On the Process Request page, click **OK**. Ensure that the process completes successfully before continuing.

- Log into the eCenterOne application. Use the Structural Units search to verify that the Site and Building we created were successfully published to eCenterOne. (Note: the sample screens below show a different set of sample data):

eCenterOne [Logout](#)

RECORD EDIT HELP

HOME | STRUCT UNITS | BUS UNITS | HR | ASSETS | LEASING | OPS MGT | PROJ MGT | REPORTS | CORP MAP | SETUP | USER MGT

Sites Buildings Floors Zones Spaces Measured Areas Moves

Information

Load Search: -- Default Site Search --

Search Filters

Site Name: Site Code: State/Province: ZIP/Postal Code:

Address Region: Country: Portfolio:

Sites

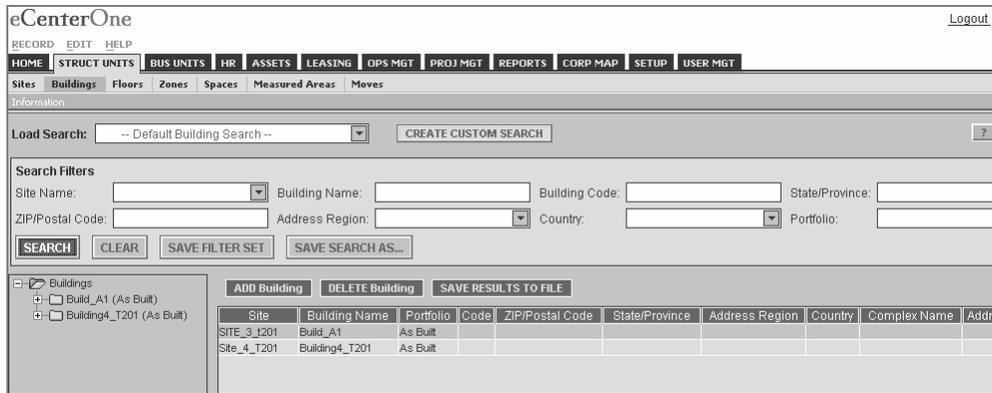
Site 1 (As Built)

SITE_3_1201 (As Built)

Site_4_T201 (As Built)

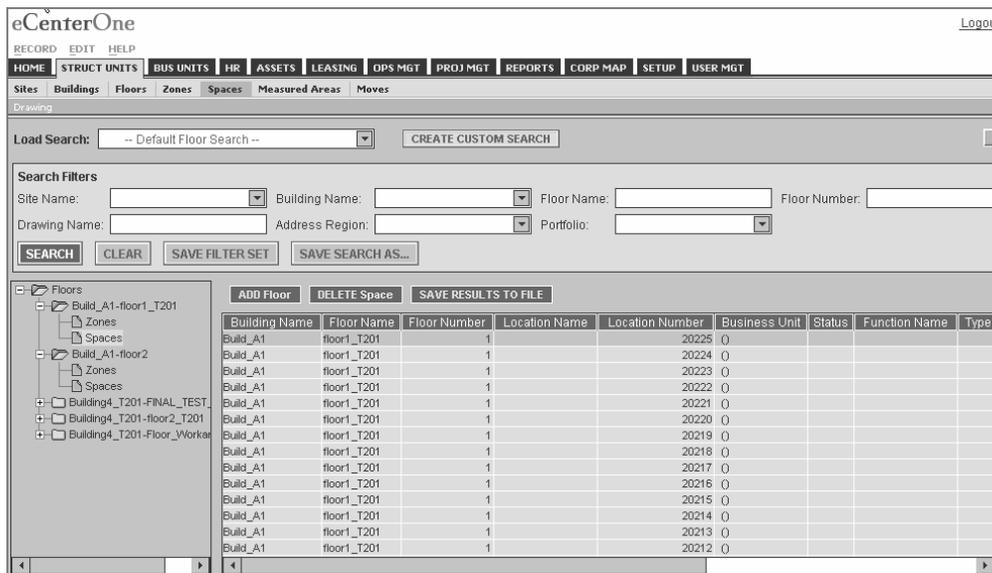
Site Name	Portfolio	Code	ZIP/Postal Code	State/Province	Address Region	Country	Acreage
Site 1	As Built						0.00
SITE_3_1201	As Built						0.00
Site_4_T201	As Built						0.00

[eCenterOne – STRUCT UNITS search](#)



eCenterOne – STRUCT UNITS search

8. Next, verify the data transfer from eCenterOne to PeopleSoft.
9. Within eCenterOne, create one Floor and a Floor Plan containing one or two spaces for the Building that we previously published to the eCenterone Application (*CAFM Building*).



eCenterOne – STRUCT UNITS search

10. Return to the PeopleSoft application. Re-run the CAFM Property Integration process to retrieve the new floor from eCenterOne. Then, run the process for a second time to pick up the spaces.

Menu → Lease Administration → Lease Administration Center → Asset Repository → Property Integration

CAFM Property Integration

Run Control ID: SyncProperties [Report Manager](#) [Process Monitor](#) [Run](#)

Description	Sync Option
1 Request for Employee Location from CAFM	Incremental Sync
2 Request for Property Size and Occupancy from CAFM	Incremental Sync
3 Request for New and Deleted Properties from CAFM	Incremental Sync

Message Monitor

[Return to Asset Repository](#)

[Save](#) [Notify](#) [Add](#) [Update/Display](#)

CAFM Property Integration page

Process Scheduler Request

User ID: DVP1 Run Control ID: SyncProperties

Server Name: Run Date: 06/06/2005

Recurrence: Run Time: 11:38:17PM

Time Zone:

Select	Description	Process Name	Process Type	*Type	*Format	Distribution
<input type="checkbox"/>	Employee Location Assignments	RE_REQ_ELOC	Application Engine	Web	TXT	Distribution
<input checked="" type="checkbox"/>	New and Deleted Properties	RE_REQ_FPLAN	Application Engine	Web	TXT	Distribution
<input type="checkbox"/>	Property Size and Occupancy	RE_REQ_PROP	Application Engine	Web	TXT	Distribution

Process Scheduler Request page

- Once the process completes, verify that the Floor and Spaces were added to the Asset Repository.

Menu → Asset Management → Asset Transactions → Owned Assets → Basic Add

Asset Basic Information

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Value

Add a New Value

Business Unit: [=] [US001] 🔍

Asset Identification: [begins with] []

Tag Number: [begins with] []

Parent ID: [begins with] [] 🔍

Description: [begins with] [CAFM]

Asset Type: [=] [Property]

Include History Correct History Case Sensitive

Search

Clear

Basic Search



Save Search Criteria

Search Results

View All First ◀ 1-5 of 5 ▶ Last

Business Unit	Asset Identification	Tag Number	Parent ID	Description	Asset Type
US001	000000000099	(blank)	(blank)	CAFM Building	Property
US001	000000000100	(blank)	(blank)	CAFM Test Floor	Property
US001	000000000098	(blank)	(blank)	CAFM Test Site	Property
US001	000000000101	(blank)	(blank)	CAFM Test Space #1	Property
US001	000000000102	(blank)	(blank)	CAFM Test Space #2	Property

[Asset Basic Information page](#)

Appendix: Integrating PeopleSoft Enterprise 9.0 Asset Management with eCenterOne Space Management Solution

ECenterOne Connector Properties

*Property ID	*Property Name	Required	Value	Default
ECENTERONETARGET	eCenter One URL	Y		Y
ECENTERONETARGET	Username	Y		Y
ECENTERONETARGET	Password	Y		Y
ECENTERONETARGET	Database	Y		Y
ECENTERONETARGET	Email	N		N
ECENTERONETARGET	Asynchronous	Y	true	Y
ECENTERONETARGET	Native	Y	false	Y
ECENTERONETARGET	Message Name	N		N
ECENTERONETARGET	XSLT File Name	N		N
HEADER	sendUncompressed	Y	N	Y

Peoplesoft delivered NODE Transactions for PSFT_XOUTBND Node

Transaction Type	Request Message	Request Message Version
OutAsync	ADD_EMP_PUB	VERSION_1
OutAsync	ADD_PROP_PUB	VERSION_1
OutAsync	SYN_DEPT_HIER_PUB	VERSION_1
OutAsync	SYN_EMP_PUB	VERSION_1
OutAsync	UPD_EMP_PUB	VERSION_1
OutAsync	UPD_PROPID_PUB	VERSION_1
OutSync	LST_DELETEDPROPS_REQ	VERSION_1
OutSync	LST_NEWPROPS_REQ	VERSION_1
OutSync	UPD_EMPLOC_REQ	VERSION_1
OutSync	UPD_PROP_REQ	VERSION_1

Note. The Following properties MUST be configured for PSFT_XOUTBND Node Transaction Connector Properties. If the properties are not set correctly, the integration will NOT work properly.

Properties for Asynchronous Node Transactions

*Property ID	*Property Name	Value
ECENTERONETARGET	Asynchronous	true
ECENTERONETARGET	Native	false
HEADER	sendUncompressed	Y

Properties for Synchronous Node Transactions

*Property ID	*Property Name	Value
ECENTERONETARGET	Asynchronous	false
ECENTERONETARGET	Native	false
HEADER	sendUncompressed	N

Peoplesoft delivered Transactions for PSFT_XOUTBND RELATIONSHIP

Initial Node	Transaction Type	Request Message Name	Request Transformation	Response Transformation
PSFT_XOUTBND	OA	ADD_EMP_PUB	RE_HRADD_XFM	
PSFT_XOUTBND	OA	ADD_PROP_PUB	RE_PRADD_XFM	
PSFT_XOUTBND	OA	SYN_DEPT_HIER_PUB	RE_DEPT_XFM	
PSFT_XOUTBND	OA	SYN_EMP_PUB	RE_HRSYN_XFM	
PSFT_XOUTBND	OA	UPD_EMP_PUB	RE_HRUPD_XFM	
PSFT_XOUTBND	OA	UPD_PROPID_PUB	RE_PRPID_XFM	
PSFT_XOUTBND	OS	UPD_EMPLOC_REQ	RE_REQ_1_XFM	RE_RES_1_XFM
PSFT_XOUTBND	OS	UPD_PROP_REQ	RE_REQ_2_XFM	RE_RES_2_XFM
PSFT_XOUTBND	OS	LST_NEWPROPS_REQ	RE_REQ_3_XFM	RE_RES_3_XFM
PSFT_XOUTBND	OS	LST_DELETEDPROPS_REQ	RE_REQ_4_XFM	RE_RES_4_XFM

INTEGRATING PEOPLESOFT ENTERPRISE 9.0 IT ASSET MANAGEMENT WITH ALTIRIS INVENTORY SOLUTION

Peoplesoft 9.0 IT Asset Management integrates with Altiris' Inventory solution, which provides the following functionality:

- Retrieve the physical attributes of IT Assets in the Altiris Inventory database to compare to the assets in the financial books.
- Retrieve Software of interest installed on the IT Assets.
- Retrieve Hardware and Software Progress Report data based on user-defined parameters.

Integration with Altiris' Inventory Solution is required. Altiris is a 3rd party vendor. Customers need to purchase Licensing directly from Altiris, before the proceeding further with this installation.

Task Overview

The following table summarizes the tasks in this chapter.

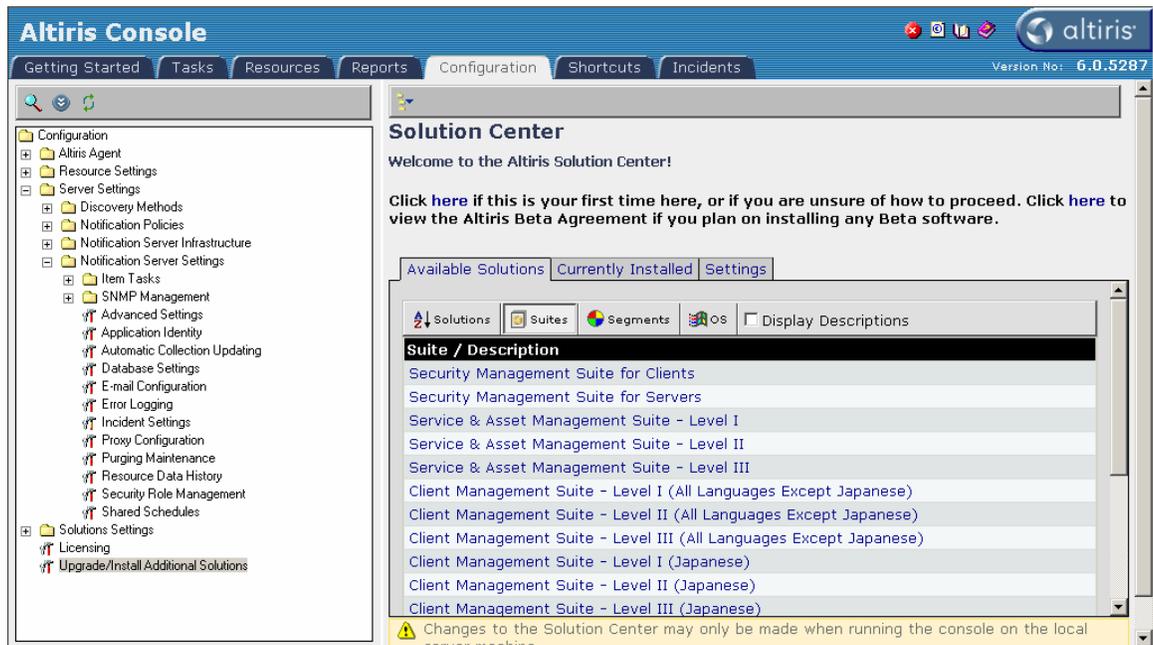
Task No.	Task Name
Task 18-1	Installing Target Connector for Altiris
Task 18-2	Local Gateway Configuration
Task 18-3	Configure Outbound Node
Task 18-4	Configure Inbound Nodes
Task 18-5	Activate Service Operations

Task 18-6	Run Message Channel
Task 18-7	Activate Domain for Asynchronous Messaging
Task 18-8	3rd Party Integration Setup
Task 18-9	Verify the Integration

Task 18-1: Installing Target Connector for Altiris

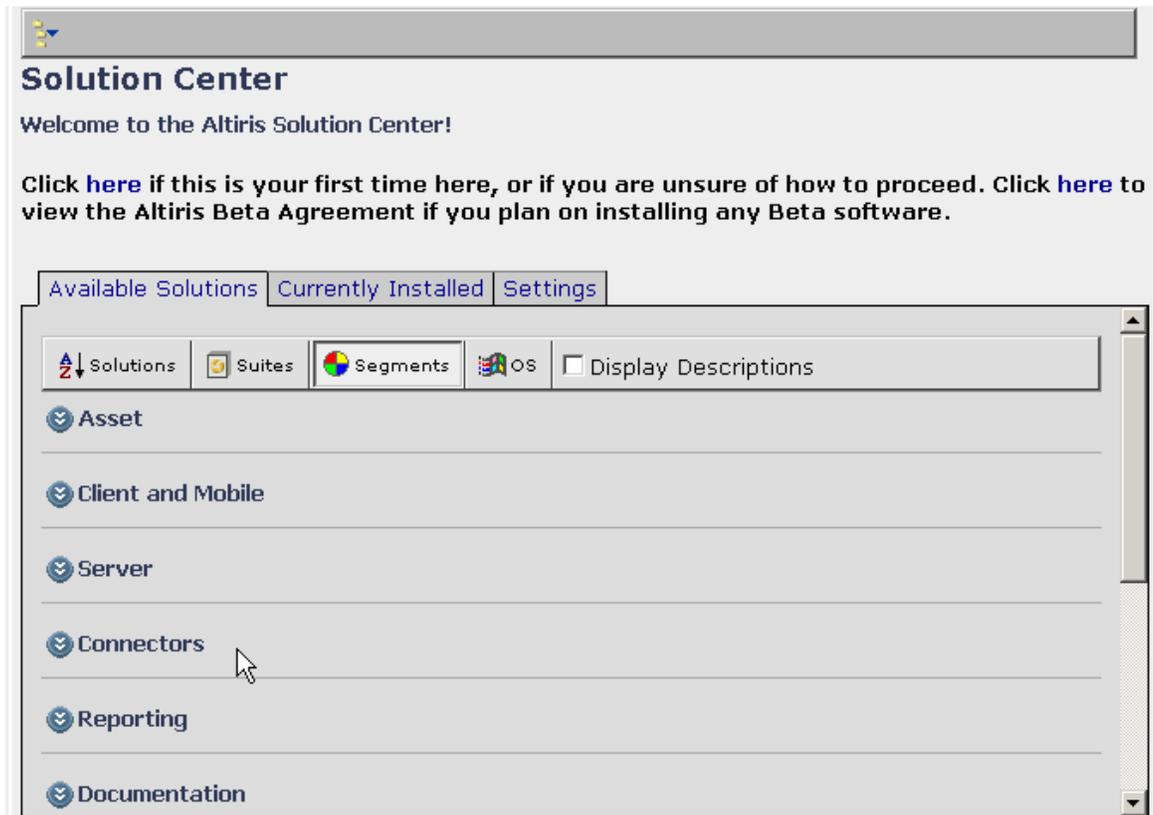
To install the target connector for Altiris:

1. Access the Altiris Console on the machine hosting the Altiris Notification Server (Start → Programs → Altiris → Altiris Console).
2. Click on **Upgrade/Install Additional Solutions**.



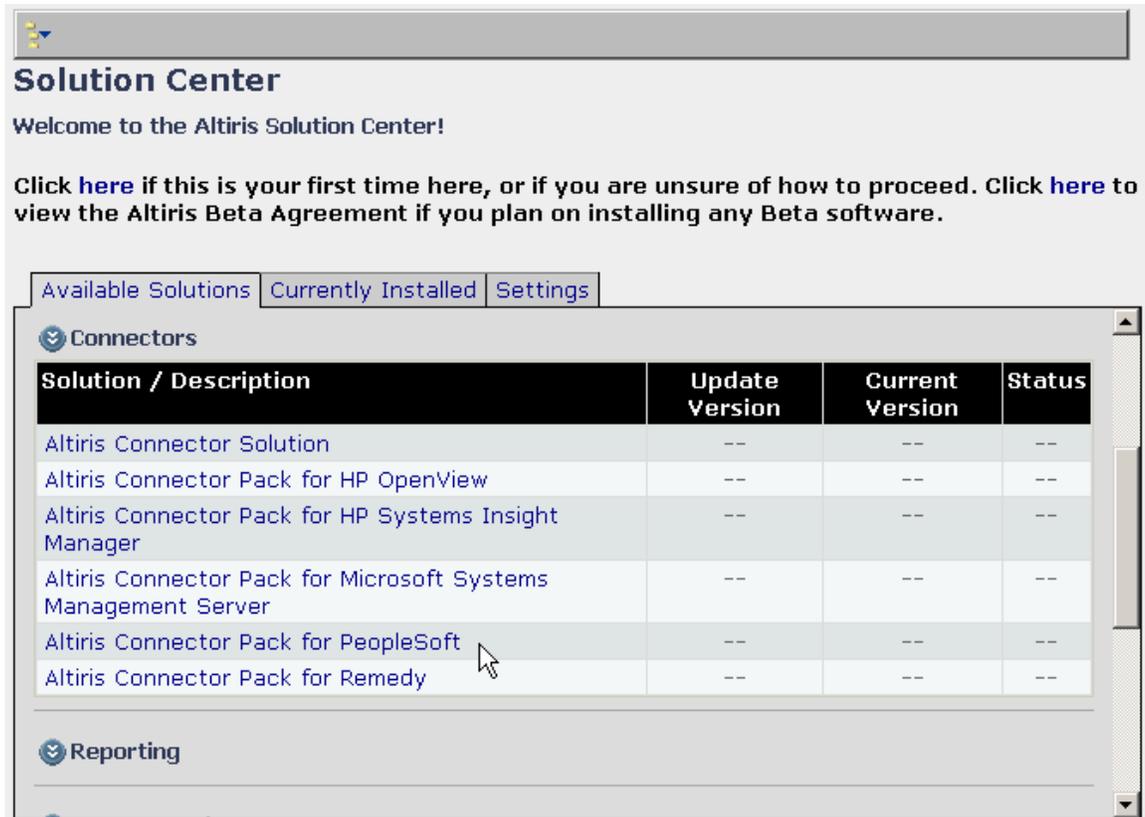
Altiris Console

3. Click on **Segments**.
4. Click on **Connectors** to expand the list.



[Solution Center page](#)

5. Click on **Altiris Connector Pack for PeopleSoft**.



Solutions Center page

Note. If you are encountering problems accessing the URL or locating, downloading the files, please contact Altiris support at 888-252-5551 or email support@altiris.com. For all other issues contact Oracle Customer Support.

Task 18-2: Local Gateway Configuration

To configure the local gateway:

1. Navigate to PeopleTools → Integration Broker → Configuration → Gateways.
2. Click **Search**. It will automatically prompt you to the Local gateway.
3. Change the URL to *http://<WEBSRV:PORT>/PSIGW/PeopleSoftListeningConnector*.
4. Click **Save!**
5. Then, click the **Load Gateway Connectors** button. This ensures that all the existing connectors are installed on the gateway.
6. Click **Save** again. This will install the connectors.

Gateways

Gateway ID: LOCAL

Local Gateway Load Balancer

URL:

[Ping Gateway](#)

[Gateway Setup Properties](#)

[Load Gateway Connectors](#)

Connectors			Customize	Find	First	1-10 of 10	Last
	*Connector ID	Description	*Connector Class Name				
1	SMTPTARGET		SMTPTargetConnector	Properties	+	-	
2	FILEOUTPUT		SimpleFileTargetConnector	Properties	+	-	
3	PSFTTARGET		PeopleSoftTargetConnector	Properties	+	-	
4	LDAPTARGET		LDAPTargetConnector	Properties	+	-	
5	JMSTARGET		JMSTargetConnector	Properties	+	-	
6	HTTPTARGET		HttpTargetConnector	Properties	+	-	
7	GETMAILTARGET		GetMailTargetConnector	Properties	+	-	
8	FTPTARGET		FTPTargetConnector	Properties	+	-	
9	AS2TARGET		AS2TargetConnector	Properties	+	-	
10	PSFT81TARGET		ApplicationMessagingTargetConnector	Properties	+	-	

[Save](#)

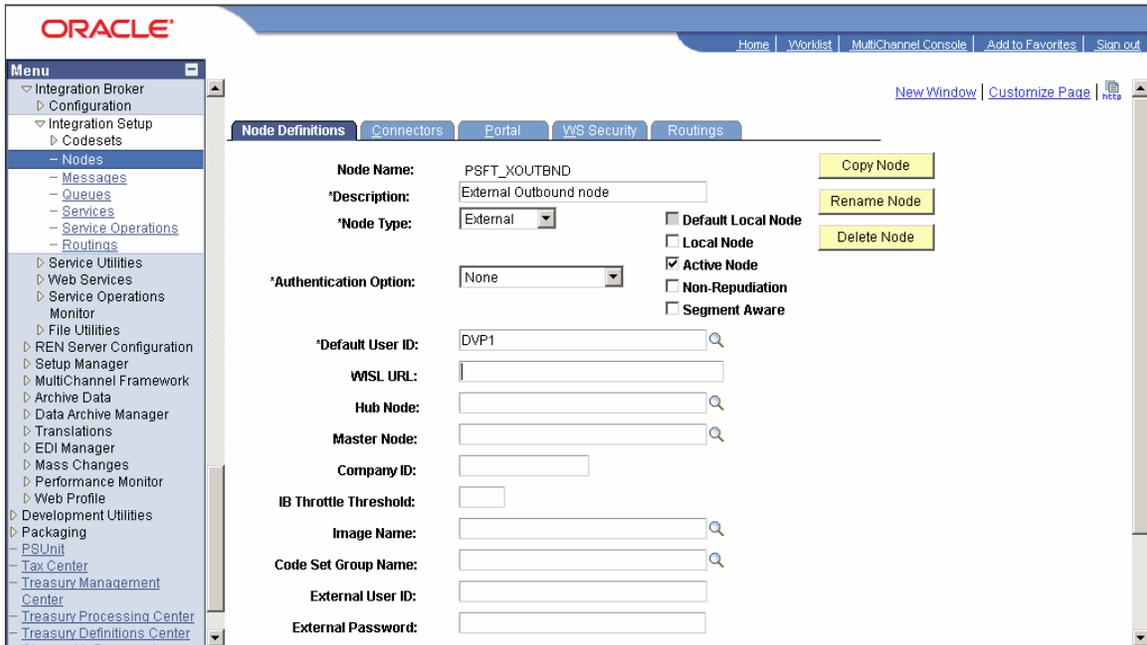
[Return to Search](#)

[Gateways page](#)

Task 18-3: Configure Outbound Node

To configure the outbound node:

Configure an Outbound External Node (PSFT_XOUTBND) to enable Messaging to Altiris' Server.



Node Definitions page

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Nodes.
2. Search for and select the *PSFT_XOUTBND* Node.
3. Click the Connectors tab and select *HTTPTARGET* as the Connector ID.
4. For the Property ID *PRIMARYURL*, enter the IP Address of the Altiris server with the following directory appended: */Altiris/ConnectPeopleSoft/PeopleSoftRequest.aspx*

Example: <http://123.456.789.123/Altiris/ConnectPeopleSoft/PeopleSoftRequest.aspx>

5. Click **Save**.
6. If the following message is displayed, click **OK**.

Warning -- Are you sure you want to change the Connector? All PSFTTARGET properties for PSFT_XOUTBND will be permanently deleted! (158,38)

Deleting a connector also deletes all dependent connector properties. This action cannot be undone.

OK Cancel

Warning Message

The screenshot shows the Oracle Integration Broker interface. The 'Connectors' tab is active, displaying the configuration for the 'PSFT_XOUTBND' node. The 'Details' section shows 'Gateway ID' as 'LOCAL' and 'Connector ID' as 'HTTPTARGET'. Below this, the 'Properties' section contains a table with the following data:

Property ID	Property Name	Required	Value
1	HEADER sendUncompressed	<input checked="" type="checkbox"/>	Y
2	HTTPPROPERTY Method	<input checked="" type="checkbox"/>	POST
3	PRIMARYURL URL	<input checked="" type="checkbox"/>	http://123.456.789.123/Altiris/Conne

At the bottom of the configuration area, there is a 'Save' button and a 'Return to Search' button. The breadcrumb trail at the bottom reads: Node Definitions | Connectors | Portal | WS Security | Routings.

Connectors tab

Task 18-4: Configure the Inbound Nodes

To configure the inbound nodes:

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Nodes.
2. Search for and select the *PSFT_XINBND* Node.
3. Set the Default User ID for the user that will be making the request from ITAM for the *PSFT_XINBND* Nodes.
4. Click **Save**.
5. Search for and select the *ANONYMOUS* Node.
6. Set the Default User ID for the user that will be making the request from ITAM for the *ANONYMOUS* Node.
7. Click **Save**.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | help

Node Definitions | Connectors | Portal | WS Security | Routings

Node Name: PSFT_XINBND Copy Node

***Description:** External Inbound node Rename Node

***Node Type:** External Default Local Node Delete Node

Local Node

***Authentication Option:** None Active Node

Non-Repudiation

Segment Aware

***Default User ID:** DVP1

WISL URL:

Hub Node:

Master Node:

Company ID:

IB Throttle Threshold:

Image Name:

Code Set Group Name:

External User ID:

External Password:

Contact/Notes Properties

Save Return to Search

Node Definitions | Connectors | Portal | WS Security | Routings

Node Definitions page – PSFT_XINBND node

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Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | help

Node Definitions | Connectors | Portal | WS Security | Routings

Node Name: ANONYMOUS Copy Node

***Description:** Used internally by IB system. Rename Node

***Node Type:** External Default Local Node Delete Node

Local Node

***Authentication Option:** None Active Node

Non-Repudiation

Segment Aware

***Default User ID:** DVP1

WISL URL:

Hub Node:

Master Node:

Company ID:

IB Throttle Threshold:

Image Name:

Code Set Group Name:

External User ID:

External Password:

Contact/Notes Properties

Save Return to Search

Node Definitions | Connectors | Portal | WS Security | Routings

Node Definitions page – ANONYMOUS node

Task 18-5: Activate Service Operations

To activate service operations:

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Service Operations.
2. Enter *GET_D* in the Service parameter of the Search Dialog.
3. Click **Search**.
4. Select the *GET_DISCOVERYDATA* Service.
5. Select the **Active** checkbox and then click **Save**.

The screenshot shows the Oracle PeopleTools interface for configuring a service operation. The left-hand menu is expanded to 'Service Operations' > 'Routings'. The main content area is titled 'Service Operation: GET_DISCOVERYDATA'. It includes fields for 'Service: GET_DISCOVERYDATA', 'Operation Type: Asynchronous - One Way', and '*Operation Description: Get Discovery Data Request'. There is a checkbox for 'User/Password Required' which is unchecked. Below this is a text area for 'Operation Comments' and a dropdown for 'Object Owner ID' set to 'Asset Management'. An 'Operation Alias' field is also present. A 'Default Service Operation Version' section shows '*Version: VERSION_1' with 'Default' and 'Active' checkboxes both checked. To the right of this section is a 'Routing Status' table:

Routing Status	
Any-to-Local:	Does not exist
Local-to-Local:	Exists

Below the routing status is a 'Routing Actions Upon Save' section with checkboxes for 'Generate Any-to-Local' and 'Regenerate Local-to-Local', both of which are unchecked. There are also checkboxes for 'Non-Repudiation' and 'Runtime Schema Validation', both unchecked. A 'Message Information' section at the bottom shows 'Type: Request', 'Message.Version: GET_DISCOVERYDATA.VERSION_1', and '*Queue Name: ASSET_MANAGEMENT'. At the bottom of the page, there is a 'Save' button and links for 'Return to Search' and 'Add Version'.

Service Operations – General page

6. The following message is displayed. Click **OK**.



Service Operation Save message

7. Click the **Routings** tab and select both rows.
8. Click the **Activate Selected Routings** button.

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Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | Help

Menu

- Workflow
- Portal
- Search Engine
- Personalization
- Process Scheduler
- Cube Manager
- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations
 - Monitor
 - File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data

General | Handlers | **Routings**

Service Operation: GET_DISCOVERYDATA

Default Version: VERSION_1

Routing Name: Add

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	Status
<input checked="" type="checkbox"/>	GET_DISCOVERYDATA	VERSION_1	Asynch	PSFT_EP	PSFT_XOUTBND	Outbound	Inactive
<input checked="" type="checkbox"/>	GET_DISCOVERYDATA_LCL	VERSION_1	Asynch	PSFT_EP	PSFT_EP	Local	Inactive

Inactivate Selected Routings Activate Selected Routings

Save [Return to Search](#)

General | [Handlers](#) | [Routings](#)

Service Operations – Routings page

9. Click the **Return to Search** link. Select the *GET_DISCOVERYDATA_ACK* Service.
10. Click the **Active** check box and then click **Save**.

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Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | help

Menu

- Workflow
- Portal
- Search Engine
- Personalization
- Process Scheduler
- Cube Manager
- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations Monitor
- File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data
- Data Archive Manager
- Translations
- EDI Manager
- Mass Changes
- Performance Monitor
- Web Profile
- Development Utilities
- Packaging
 - PSUnit
 - Tax Center
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations
 - My System Profile

General | Handlers | Routings

Service Operation: GET_DISCOVERYDATA_ACK
 Service: GET_DISCOVERYDATA_ACK
 Operation Type: Asynchronous - One Way
 *Operation Description: Get DiscoveryData Acknowledge User/Password Required
 Operation Comments:
 Object Owner ID: Asset Management
 Operation Alias: [Service Operation Security](#)

Default Service Operation Version

*Version:	VERSION_1	<input checked="" type="checkbox"/> Default	<input checked="" type="checkbox"/> Active
Version Description:	Get DiscoveryData Acknowledge	Routing Status	
Version Comments:		Any-to-Local:	Exists
		Local-to-Local:	Does not exist
		Routing Actions Upon Save	
		<input type="checkbox"/> Regenerate Any-to-Local	
		<input type="checkbox"/> Generate Local-to-Local	

Non-Repudiation Runtime Schema Validation

[Introspection](#)

Message Information

Type: Request
 Message.Version: GET_DISCOVERYDATA_ACK.VERSION [View Message](#)
 *Queue Name: ASSET_MANAGEMENT [View Queue](#) [Add New Queue](#)

[Return to Search](#) [Add Version](#)

General | Handlers | Routings

Service Operations – General page

- The following message is displayed. Click **OK**.



Service Operation Save message

- Select the **Handlers** tab.
- Set the **Status** field to **Active** and then click **Save**.

The screenshot shows the Oracle Service Operations console. The left-hand menu is expanded to 'Service Operations' > 'Handlers'. The main content area displays the configuration for the 'GET_DISCOVERYDATA_ACK' service operation. The 'Default Version' is 'VERSION_1' and the 'Operation Type' is 'Asynchronous - One Way'. Below this, a table lists the handlers:

Name	Type	Implementation	Status	Actions
Get_DiscoveryData_Ack	OnNotify	App Class	Active	Details, +, -

At the bottom of the console, there are 'Save' and 'Return to Search' buttons. The breadcrumb trail at the bottom reads 'General | Handlers | Routings'.

Service Operations – Handlers page

- The following message is displayed. Click **OK**.



Service Operation Save message

- Select the Routings tab.
- Select the *GET_DISCOVERYDATA_ACK* routing definition.
- Click the **Activate Selected Routings** button.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | HELP

Menu

- Workflow
- Portal
- Search Engine
- Personalization
- Process Scheduler
- Cube Manager
- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations Monitor
- File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data
- Data Archive Manager

General | Handlers | Routings

Service Operation: GET_DISCOVERYDATA_ACK
 Default Version: VERSION_1
 Routing Name: Add

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	Status
<input type="checkbox"/>	GET_DISCOVERYDATA_ACK	VERSION_1	Asynch	~~ANY~~	PSFT_EP	Inbound	Active

Inactivate Selected Routings | Activate Selected Routings

Save | Return to Search

General | Handlers | Routings

Service Operations – Routings page

- Click the **Return to Search** link. Search for and select the *GET_DISCOVERYDATA_STATUS_ACK* Service Operation.
- Select the **Active** check box and then click **Save**.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | HELP

Menu

- Workflow
- Portal
- Search Engine
- Personalization
- Process Scheduler
- Cube Manager
- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations Monitor
- File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data
- Data Archive Manager
- Translations
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- Mass Changes
- Performance Monitor
- Web Profile
- Development Utilities
- Packaging
 - PSUnit
 - Tax Center
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations
 - My System Profile

General | Handlers | Routings

Service Operation: GET_DISCOVERYDATA_STATUS_ACK
 Service: GET_DISCOVERYDATA_STATUS_ACK
 Operation Type: Asynchronous - One Way
 *Operation Description: ITAM - Request Status User/Password Required
 Operation Comments:
 Object Owner ID: Asset Management
 Operation Alias: [Service Operation Security](#)

Default Service Operation Version

*Version:	VERSION_1	<input checked="" type="checkbox"/> Default	<input checked="" type="checkbox"/> Active
Version Description:	ITAM - Request Status	Routing Status	
Version Comments:	<input type="text"/>	Any-to-Local:	Exists
		Local-to-Local:	Does not exist
	<input type="checkbox"/> Non-Repudiation	Routing Actions Upon Save	
	<input type="checkbox"/> Runtime Schema Validation	<input type="checkbox"/> Regenerate Any-to-Local	<input type="checkbox"/> Generate Local-to-Local

Introspection

Message Information

Type: Request
 Message Version: GET_DISCOVERYDATA_STATUS_ACK [View Message](#)
 *Queue Name: ASSET_MANAGEMENT [View Queue](#) [Add New Queue](#)

Save | Return to Search | Add Version

General | Handlers | Routings

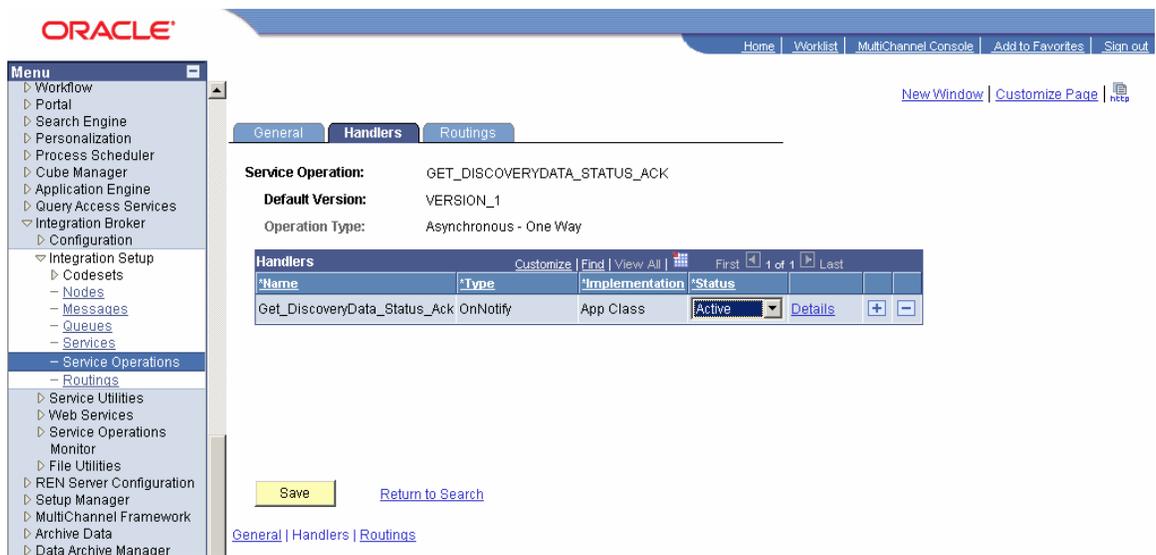
Service Operations – General page

20. The following message is displayed. Click **OK**.



[Service Operation Save message](#)

21. Select the Handlers tab.
22. Set the **Status** field to *Active* and then click **Save**.



[Service Operations – Handlers page](#)

23. The following message is displayed. Click **OK**.



[Service Operation Saved message](#)

24. Click the Routings tab.
25. Select the *GET_DISCOVERYDATA_STATUS_ACK* routing definition.

26. Click the **Activate Selected Routings** button.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | help

Menu

- Workflow
- Portal
- Search Engine
- Personalization
- Process Scheduler
- Cube Manager
- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations
 - Monitor
- File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data
- Data Archive Manager

General | Handlers | Routings

Service Operation: GET_DISCOVERYDATA_STATUS_ACK

Default Version: VERSION_1

Routing Name: Add

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	
<input checked="" type="checkbox"/>	GET_DISCOVERYDATA_STATUS_ACK	VERSION_1	Asynch	~-ANY~	PSFT_EP	Inbound	A

Inactivate Selected Routings Activate Selected Routings

Save Return to Search

General | Handlers | Routings

Service Operations – Routings page

Task 18-6: Run Message Channel

To run the message channel:

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Queues.
2. Search for the *ASSET_MANAGEMENT* Queue Name Channel and make sure the Queue Status is set to *Run*.
3. If the Queue Status is *Paused*, select *Run* in the **Queue Status** field and then click **Save**.

[New Window](#) | [Customize Page](#) | [Help](#)

Queue Definitions

Queue Name: ASSET_MANAGEMENT
 Description: Channel for AssetIT Assets
 Comments:

Archive Unordered
 Queue Status: Run
 Object Owner ID: Asset Mgmt

Operations Assigned to Queue

Service	Version
ADD_ASSET_PUB	VERSION_1
ADD_EMP_PUB	VERSION_1
ADD_PROP_PUB	VERSION_1
GET_DISCOVERYDATA	VERSION_1
GET_DISCOVERYDATA_ACK	VERSION_1
GET_DISCOVERYDATA_STATUS_ACK	VERSION_1
LST_DELETEDPROPS_REQ	VERSION_1
LST_NEWPROPS_REQ	VERSION_1
SYN_DEPT_HIER_PUB	VERSION_1
SYN_EMP_PUB	VERSION_1

Define Partitioning Fields

Include	Field	Alias Name
<input type="checkbox"/>	OPERATIONNAME	<input type="text"/>
<input type="checkbox"/>	PUBLISHER	<input type="text"/>
<input type="checkbox"/>	PUBPROC	<input type="text"/>

Save Add Field

Queue Definitions page

- The following message is displayed. Click **OK**.

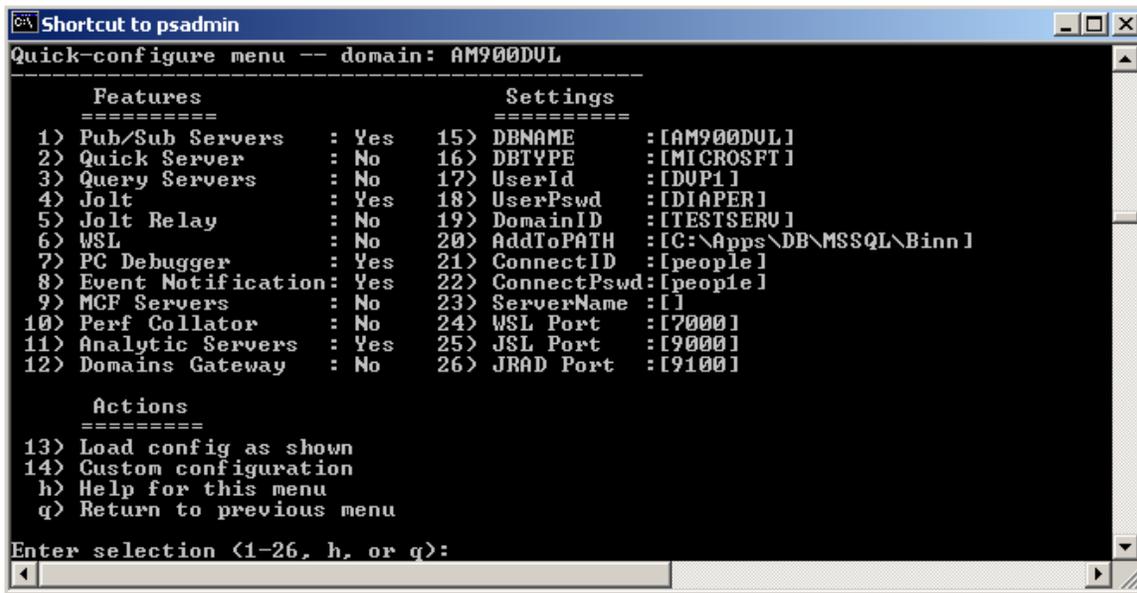


Queue Save message

Task 18-7: Activate Domain for Asynchronous Messaging

Asynchronous message handling in PeopleSoft is different from synchronous message handling. In the asynchronous mode, a message is dumped in a queue and a message handler then picks the message and gives it to message dispatcher, the dispatcher in turn delivers the message to the target node. To enable message handler and dispatcher, make sure that your domain has publish/subscribe servers configured in psadmin.

Set Pub/Sub servers to Yes as shown below.



Note. Psadmin configuration is used to support asynchronous messaging, after starting your app server you will see two new processes one for Message Handler, and one for message dispatcher.

After configuring your app server, you need to activate your domain through PIA to ensure Handler and Dispatcher pick up your asynchronous messages.

To activate your domain:

1. Navigate to PeopleTools → Integration Broker → Service Operations Monitor → Administration → Domain Status.
2. Click the **Purge Domain Status** button.
3. Search for your domain and make the Domain Status *Active*. Then, click the **Update** button.

Domain Status

Domain Criteria

Grace Period for all Domains (Minutes) All Domains Active
 All Domains Inactive

Purge Domain Status [Set Up Failover](#) **Failover Disabled**

Refresh **Update**

Failover Group	Failover Priority	Machine Name	Application Server Path	Domain Status	Grace Period	Slave Indicator
		SGURUSWA103003	C:\ptools\lappser\AM900DVL	Active		

Machine Name	Dispatcher Name	Application Server Path	Status String	Date/Time Stamp
SGURUSWA103003	PSMSGD6P	C:\ptools\lappser\AM900DVL	ACT	

Domain Status page

Task 18-8: 3rd Party Integration Setup

To set up 3rd party integration:

1. Navigate to the Altiris Console. Start → Programs → Altiris → Altiris Console.
2. Navigate to: Solution Settings → Connectors → PeopleSoft → Configuration.
3. Enter the <PIA Webservice>:<Port Number> in the **Gateway Computer** field.
4. Enter your Default Local Node in the **To Node** field (PSFT_EP).
5. Enter *PSFT_XINBND* in the **From Node** field.
6. Click **Save**.

Altiris Console Version No: 6.0.5287

Getting Started | Tasks | Resources | Reports | Configuration | Shortcuts | Incidents

Connector Pack for PeopleSoft IT Asset Management.

Integration Broker external node URL property.
<http://ps-altiris/Altiris/ConnectPeopleSoft/PeopleSoftRequest.aspx>

Integration URL setup.

GET_DISCOVERYDATA_ACK

Gateway Computer:

To Node:

From Node:

URL Output:

GET_DISCOVERYDATA_STATUS_ACK

Gateway Computer:

To Node:

From Node:

URL Output:

User Defined Fields

Custom Field 1:

Custom Field 2:

Custom Date:

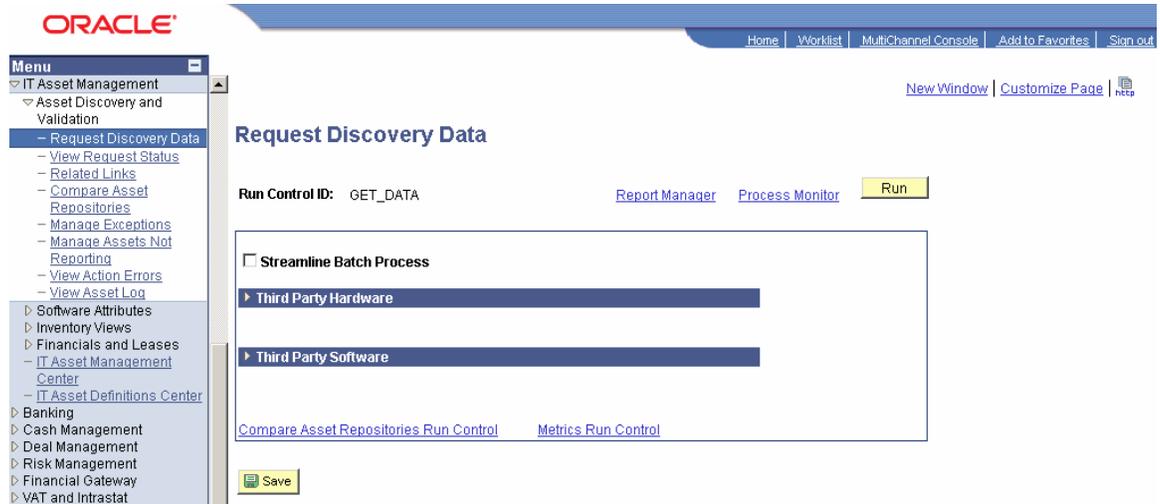
Altiris Console

Task 18-9: Verify the Integration

To verify the integration:

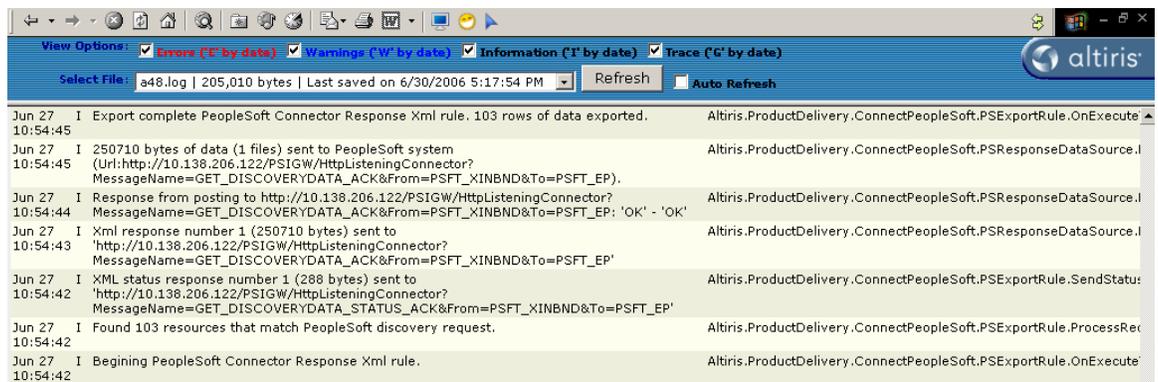
1. From PeopleSoft, initiate a request for discovered inventory from Altiris.

- Navigate to: IT Asset Management → Asset Discovery and Validation → Request Discovery Data.
- Add a new Run Control ID. Click **Add**.



Request Discovery Data page

- Click the **Run** button.
- Click **OK** on the Process Scheduler Request page to submit the process.
- Query the Altiris Logview file (<http://123.456.789.123/altiris/NS/LogView.asp>). If the XML Request was successfully received and processed by Altiris, you should see the following output:



Output

Note. The number of rows of data exported will vary depending on the sample data installed in the Altiris Inventory Solution.

If you do not see any output or you wish to verify PeopleSoft Integration Broker correctly published the Request, perform the remaining steps:

- Navigate to: PeopleTools → Integration Broker → Service Operations Monitor → Monitoring → Asynchronous Services.

The screenshot shows the Oracle PeopleTools interface for the Service Operations Monitor. The left-hand menu is expanded to 'Monitoring' > 'Asynchronous Services'. The main content area displays the 'Monitor Overview' tab. At the top, there are navigation links: Home, Worklist, MultiChannel Console, Add to Favorites, and Sign out. Below the navigation, there are tabs for 'Monitor Overview', 'Operation Instances', 'Publication Contracts', and 'Subscription Contracts'. The 'Monitor Overview' tab is active, showing a search bar for 'Publish Node', a 'Queue Level' dropdown set to 'Oper Inst', and a 'Group By' dropdown set to 'Queue'. There is also an 'Archived' checkbox. Below these are 'Time Period' filters for 'From Date', 'To Date', 'From Time', and 'To Time', along with a 'Refresh' button. The main data area is a table titled 'Result' with columns: Queue Name, Error, New, Started, Working, Done, Retry, Timeout, Edited, Canceled, and Hold. The table contains four rows of data:

Queue Name	Error	New	Started	Working	Done	Retry	Timeout	Edited	Canceled	Hold
ASSET_MANAGEMENT	0	0	0	0	8	0	0	0	0	0
PSRF_REPORTING_FOLDERS	0	0	0	0	193	0	0	0	0	0
ROLE_MAINT	0	0	0	0	2	0	0	0	0	0
USER_PROFILE	0	0	0	0	3	0	0	0	0	0

At the bottom of the interface, there is a 'Notify' button and a footer with navigation links: Monitor Overview | Operation Instances | Publication Contracts | Subscription Contracts.

Monitor Overview page

- Select the Publication Contracts tab.
- Select *ASSET_MANAGEMENT* from the **Queue Name** prompt.
- Select *Done* for the *Status* field.
- Click the **Refresh** button.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

New Window | Customize Page | help

Monitor Overview | Operation Instances | **Publication Contracts** | Subscription Contracts

Message Node Name: Archived

Service Operation:

Queue Name: ASSET_MANAGEMENT Status: Done

Transaction ID:

Time Period

From Date: To Date:

From Time: To Time:

[Transaction Retry Queue](#)

Select	Transaction ID	Queue Name	Publishing Node	Sub Queue	Subscriber Node	Segment Number	Send ID
<input type="checkbox"/>	0a04c021-0ca9-11db-8710-cdc3fd0a257b	ASSET_MANAGEMENT	PSFT_EP	04375b4d-0ca9-11db-894e-d7c673fb4543	PSFT_XOUTBND	1	23
<input type="checkbox"/>	ac6a5720-0c87-11db-8481-dd10d4a1dd6b	ASSET_MANAGEMENT	PSFT_EP	a673cad0-0c87-11db-894e-d7c673fb4543	PSFT_XOUTBND	1	21
<input type="checkbox"/>	b6ed26d0-0c86-11db-847d-	ASSET_MANAGEMENT	PSFT_EP	b370c150-0c86-11db-894d-d7c673fb4543	PSFT_XOUTBND	1	19

Publication Contracts tab

12. Find the *GET_DISCOVERYDATA* service operation and click the **Details** link in the right-most column in the grid.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

Publishing Node	Sub Queue	Subscriber Node	Segment Number	Send ID	Service Operation	Service Operation Version	Status	Time Stamp	
PSFT_EP	04375b4d-0ca9-11db-894e-d7c673fb4543	PSFT_XOUTBND	1	23	GET_DISCOVERYDATA	VERSION_1	Done	07/05/2006 9:36:50PM	Details
PSFT_EP	a673cad0-0c87-11db-894e-d7c673fb4543	PSFT_XOUTBND	1	21	GET_DISCOVERYDATA	VERSION_1	Done	07/05/2006 9:21:11PM	Details
PSFT_EP	b370c150-0c86-11db-894d-d7c673fb4543	PSFT_XOUTBND	1	19	GET_DISCOVERYDATA	VERSION_1	Done	07/05/2006 5:31:14PM	Details
PSFT_EP	9c8168c1-0c83-11db-8943-d7c673fb4543	PSFT_XOUTBND	1	17	GET_DISCOVERYDATA	VERSION_1	Done	07/05/2006 5:08:58PM	Details
PSFT_EP	00baa069-0c80-11db-802b-c56a00d03172	PSFT_XOUTBND	1	16	GET_DISCOVERYDATA	VERSION_1	Done	07/05/2006 4:43:15PM	Details

Publication Contracts tab

13. This launches a new browser session displaying the Asynchronous Details.

- Menu
- Monitoring
 - Asynchronous Services
 - Asynchronous Details
 - Synchronous Services
 - Synchronous Details
 - Error Notification
 - Archive Monitor Data
 - Statistics
- Administration
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
 - Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Treasury Management Center

[New Window](#) | [Customize Page](#) |

Asynchronous Details

Transaction ID 04375b4d-0ca9-11db-894e-d7c673fb4543
External Service Name GET_DISCOVERYDATA.VERSION_1
Publishing Node PSFT_EP ***Segment** 1
Queue Name ASSET_MANAGEMENT [View XML](#)
Queue Sequence ID 23
Sub Queue 04375b4d-0ca9-11db-894e-d7c673fb4543
Original Pub Node PSFT_EP **Uncompressed Data Length** 18114
Status DONE **Data Length View Limit** 100000

[View IB Info](#)

Publication Contracts							
Actions		Information					
Subscriber Node	*Segment	Status					
PSFT_XOUTBND	1	Done	View XML	<input type="button" value="Resubmit"/>	<input type="button" value="Cancel"/>	<input type="button" value="Error Messages"/>	View IB Info

Asynchronous Details page

Appendix: Integrating PeopleSoft Enterprise 9.0 IT Asset Management with Altiris Inventory solution

HTTPTARGET Connector Properties

*Property ID	*Property Name	Required	Value	Default
HEADER	sendUncompressed	Y	Y	Y
HTTPPROPERTY	Method	Y	Post	Y
PRIMARYURL	URL	Y	http://<AltirisHost>/Altiris/ConnectPeopleSoft/PeopleSoftRequest.aspx	N

Peoplesoft delivered Routing Definitions for PSFT_EP Node

Routing Type	Request Message	Request Message Version
Async	GET_DISCOVERYDATA	VERSION_1
Async	GET_DISCOVERYDATA_LCL	VERSION_1
Async	GET_DISCOVERYDATA_ACK	VERSION_1
Async	GET_DISCOVERYDATA_STATUS_ACK	VERSION_1

INTEGRATING PEOPLESOFT ENTERPRISE 9.0 TRAVEL AND EXPENSE WITH TRAVEL PARTNER SOLUTIONS (OPTIONAL)

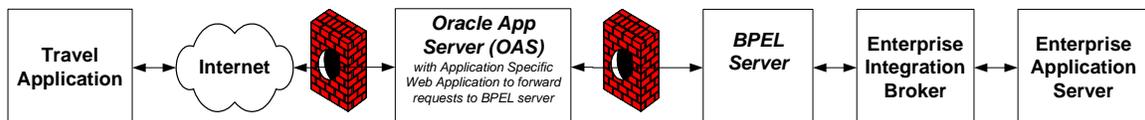
Peoplesoft 9.0 Travel and Expense can integrate with third party travel solutions, which provides the following functionality:

- Links to the travel application from within the Expenses menu systems.
- Synchronization of employee data with the travel profiles.
- Import travel reservations into Expenses.

This is an optional integration and in Release 9.0 the Travel and Expense application provides a sample integration with Aergo the Amadeus Space Management Solution.

Customers integrating with Aergo need to purchase Licensing directly from Amadeus, before the proceeding further with this installation. Additionally further customization of the sample application may be required to accommodate customer specific requirements.

The diagram below shows a typical configuration and some high level data flow for the exchange of profile and reservation information:



Red brick symbol represents a network firewall

Travel Integration components:

- Enterprise Integration Broker. The Integration Broker (IB) is the standard Enterprise technology for integrating to external services. In the Travel & Expense integration with Travel vendors, IB is used to consume and publish web services. In the case of the Aergo sample configuration, profiles are exchanged when IB uses a web service provided on the BPEL server. Itineraries are obtained when BPEL utilizes a web service that is hosted by IB.
- Business Process Execution Language (BPEL) Server. The Oracle BPEL server is hosted within a J2EE container such as Oracle Application Server. This document will assume that OAS is used. The BPEL server is used to coordinate the exchange of profiles and itineraries. In the Aergo sample application, BPEL will consume a web service provided by IB to send itineraries to the Travel and Expense application. Profiles are sent to the travel vendor when IB uses a web service provided by the BPEL server. Almost all travel partner specifics should be implemented as partner links in the BPEL server.
- ReceivePNR web application. The ReceivePNR web application is a sample implementation that receives incoming itinerary messages from the travel partner. This web application can be hosted in any J2EE container. For the purposes of this document, it is assumed that the J2EE container is OAS. The web application provides a translation between the XML data posted over HTTP by the Aergo Travel application and the Business Process hosted in the BPEL server. If in the future the Aergo application is modified to support true web services this web application may become superfluous.
- Travel Application. The Travel Application is not provided by Oracle. It is a third party application that supports on-line travel booking. The capabilities of the travel application may vary from vendor to vendor. The Travel and Expense version 9.0 provides a sample application to integrate with the Aergo application as supplied by Amadeus S.A.
- Corporate Firewalls and Proxy Servers. Most corporate networks use a combination of fire walls and proxy servers to protect internal networks from unauthorized use. There are far too many variations to cover all possibilities here. For this document it is assumed that a proxy server is used for all outgoing IP traffic and that 2 firewalls are used to create a DMZ. It is expected that the ReceivePNR web application would be deployed in the DMZ and then use Oracle Remote Method Invocation (ORMI) to communicate with the BPEL server within the firewall.

Prerequisites

The synchronization of the travel profiles and exchange of reservation information is accomplished through the use of the Oracle BPEL server coupled with the Enterprise Integration broker. The BPEL server must be properly installed and configured. One often-overlooked item is the configuration of proxy server settings for the BPEL process when run inside the Oracle Application Server (OAS). Please carefully review the documentation for the OAS. For OAS version 10.1.2, the proxy settings must be passed into the Java Virtual Machine (JVM) as environment variables.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 19-1	Deploy BPEL Travel processes
Task 19-2	General Integration Broker configuration
Task 19-3	Configure Integration Broker for profile exchange
Task 19-4	Configure Integration Broker for itinerary exchange
Task 19-5	Deploy ReceivePNR web application to enable Aergo reservation exchange
Task 19-6	Configure Aergo properties
Task 19-7	Verify the Integration

Task 19-1: Deploy BPEL Travel processes

The BPEL process deployment and verification is described in the document *Financials_BPEL_Installation_Guide.doc*.

Task 19-2: General Integration Broker configuration

This step confirms that the settings for Quick Configuration, Gateways and Service Configuration are properly configured.

Quick Configuration

1. Navigate to PeopleTools → Integration Broker → Configuration → Quick Configuration.
2. Change the Gateway URL to *http://<IB Hostname>:<port>/PSIGW/PeopleSoftListeningConnector*. The colon and port entry are optional if the port number is the default.

ORACLE

Home | Worklist | MultiChannel Console | Add to Fa

New Window | Custom

Integration Broker Quick Configuration

Local Gateway

The integration gateway manages message transport through several communication protocols.

Gateway URL:

[Advanced Gateway Setup](#) Use to access additional integration gateway features.

Integration Broker Domains

To process asynchronous messages, one application server domain must be active. If inactive, use the Domain Status drop-down list to activate the appropriate domain.

Machine Name	Application Server Path	Domain Status
ALEE2062504	C:\pt848-903-R1\appser\MEX900DVL	Active
PLE-STAHERI	C:\PT48\appser\MEX900DVL	Inactive
STAHERI032304	C:\PT848\appser\MEX900DVL	Inactive

[Domain Status](#) Use to access additional domain features.

Other Quick Links

[Service Configuration](#) Use to define service and UDDI defaults.

[ERP Connectors Admin](#) Use to configure iWay SOAPswitch, if installed.

[Integration Broker Quick Configuration page](#)

3. Click **Save**.
4. Ping the gateway to make sure that it is responding and note the exact tools version.

PeopleSoft Integration Gateway

PeopleSoft Listening Connector
 Tools Version : 8.48
 Status: ACTIVE

Service Configuration

1. Click on **Service Configuration** in the **Other Quick Links** group box.
2. Fill in the Target Location as *http://<IB Hostname>:<port>//PSIGW/PeopleSoftServiceListeningConnector*.

ORACLE

Home | Worklist | MultiChannel Console | Add t

Menu

- Application Engine
- Query Access Services
- Integration Broker
 - Configuration
 - Quick Configuration
 - Gateways
 - Service Configuration
 - Integration Setup
 - Service Utilities
 - Web Services
 - Service Operations
 - Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
 - Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center

New Window | Cus

Service Configuration | UDDI Configuration | Restricted Services

*Service Namespace:

*Schema Namespace:

*Target Location:

Example: http://<machine>:<port>/PSIGW/PeopleSoftServiceListeningConnector

Alternate Example: http://<machine>:<port>/PSIGW/PeopleSoftServiceListeningConnector/<defaultlocalnode>

*Service System Status:

Last Updated: VP1 Last Update Date/Time: 06/20/2006 10:47:27AM

 Save

[Service Configuration](#) | [UDDI Configuration](#) | [Restricted Services](#)

Service Configuration page

3. Click **Save**.

Gateways

1. Navigate to PeopleTools → Integration Broker → Configuration → Gateways.
2. Enter the URL for the Local Gateway and the Physical Gateway as *Hostname>:<port>/PSIGW/PeopleSoftListeningConnector*.
3. Click **Load Gateway Connectors**.
4. Click **Save**.
5. Click **Ping Gateway** to ensure connectivity and proper configuration.

Gateways

Gateway ID: LOCAL

Local Gateway

Load Balancer

URL:

[Ping Gateway](#)

[Return to Quick Configuration](#)

Physical Gateways		Customize	Find	View All	First	1 of 1	Last
URL	Properties						
1 <input type="text" value="http://10.138.204.63/PSIGW/PeopleSoftListeningConnector"/>	Properties						

[Load Gateway Connectors](#)

Connectors				Customize	Find	First	1-10 of 10
	*Connector ID	Description	*Connector Class Name				
1	AS2TARGET		AS2TargetConnector				Properties
2	FILEOUTPUT		SimpleFileTargetConnector				Properties
3	FTPTARGET		FTPTargetConnector				Properties
4	GETMAILTARGET		GetMailTargetConnector				Properties
5	HTTPTARGET		HttpTargetConnector				Properties
6	JMSTARGET		JMSTargetConnector				Properties
7	LDAPTARGET		LDAPTargetConnector				Properties
8	PSFT81TARGET		ApplicationMessagingTargetConnector				Properties
9	PSFTTARGET		PeopleSoftTargetConnector				Properties
10	SMTPTARGET		SMTPTargetConnector				Properties

[Save](#)

[Return to Search](#)

[Gateways page](#)

6. Click the **Properties** link and enter the administrator/password for user and password.

Gateways

Gateway Properties

Sign on to access integrationGateway.properties file.

The default user ID is 'administrator' and the default password is 'password'.



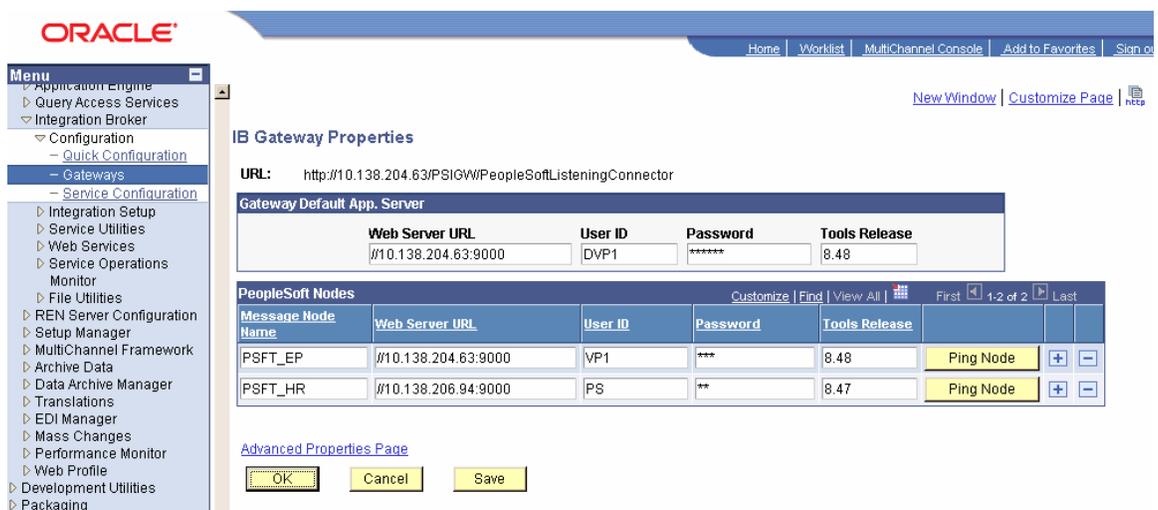
A dialog box titled "Gateway Properties" with a light gray background. It contains two text input fields: "User ID" with the text "administrator" and "Password" with "*****". Below the password field is a checkbox labeled "Change Password" which is currently unchecked.



Two yellow buttons: "OK" on the left and "Cancel" on the right.

Gateways – Gateway Properties page

7. Add two Nodes: *PSFT_EP* (The FMS application server node) and *PSFT_HR* (The HCM application server node). Obtain the PeopleTools release from pinging the gateway as it must match exactly.



The screenshot shows the Oracle Integration Broker "IB Gateway Properties" page. The page has a blue header with the Oracle logo and navigation links like "Home", "Worklist", "MultiChannel Console", "Add to Favorites", and "Sign out". A left-hand menu is visible with categories like "Application Engine", "Query Access Services", "Integration Broker", "Configuration", "Gateways", and "Service Configuration".

The main content area shows the "IB Gateway Properties" configuration. It includes a "URL" field with the value "http://10.138.204.63/PSIGW/PeopleSoftListeningConnector". Below this is a "Gateway Default App. Server" table:

Web Server URL	User ID	Password	Tools Release
/10.138.204.63:9000	DVP1	*****	8.48

Below the table is a "PeopleSoft Nodes" table with columns for "Message Node Name", "Web Server URL", "User ID", "Password", "Tools Release", and "Ping Node".

Message Node Name	Web Server URL	User ID	Password	Tools Release	Ping Node
PSFT_EP	/10.138.204.63:9000	VP1	***	8.48	Ping Node
PSFT_HR	/10.138.206.94:9000	PS	**	8.47	Ping Node

At the bottom of the page are three buttons: "OK", "Cancel", and "Save".

IB Gateway Properties page

- Ping the PSFT_EP and PSFT_HR nodes to make sure they are responsive. You will see the following page if a ping is successful.

Ping Node Results

Node Information			
Integration Gateway ID	Connector ID	Connector URL	Message Text
LOCAL	PSFTTARGET		Success (117,73)

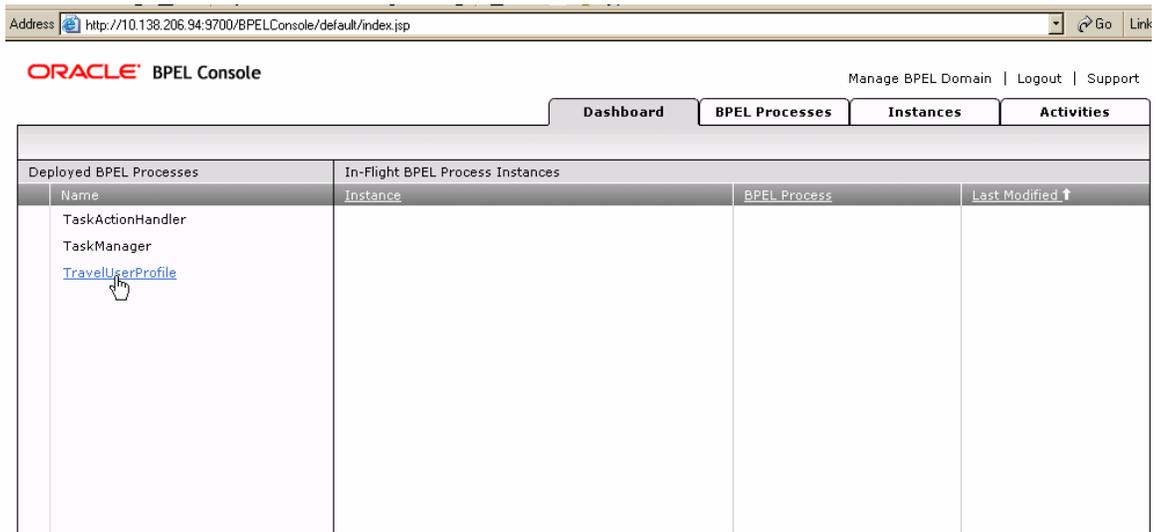
Return

[Ping Node Results page](#)

Task 19-3: Configure Integration Broker for profile exchange

Get WSDL from the BPEL Console

- Log into the BPEL Server Console and the domain that you have chosen for this integration. See the BPEL server documentation for details.
- From the dashboard, click the **TravelUserProfile** process link.



[BPEL Console](#)

- Click the WSDL tab.

BPEL Process: TravelUserProfile Version: 1.0 Lifecycle: Active
 Statistics: [0 Open Instances](#) | [91 Closed Instances](#)

Manage Initiate Descriptor **WSDL** Sensors Source Reports

Web Service Interface of this BPEL Process

When deployed, BPEL Processes are automatically published as Web Services so that they can be easily initiated by other BPEL Processes but also by Visual Basic applications, Excel spreadsheets or J2EE applications.

WSDL location:
<http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0/TravelUserProfile?wsdl>

Endpoint location:
 http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0

BPEL Console – WSDL tab

- Copy the text for the **WSDL Location**. This text string will be needed for the next step, Consume Web Service.

Consume Web Service

- Navigate to PeopleTools → Integration Broker → Web Services → Consume Web Service. This will start the Consume Web Service Wizard.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

Main Menu > PeopleTools > Integration Broker >

Web Services [Edit "Web Services" Folder](#)

Export PeopleSoft services as WSDL documents. Import WSDL documents from external systems. Introspect other ERP systems using the ERP Connectors to build integrations with PeopleSoft Integration Broker.

Provide Web Service
Export PeopleSoft services as WSDL documents.

Consume Web Service
Consume Web Service

CI-Based Services
Export Component Interfaces as Services and ensure that CIs and the Services that use them are in sync.

Deployment Validation
Introspect other ERP systems to build and validate routings.

ERP Connectors Admin
Configure access to ERP Connectors.

ERP Connectors
View and manage ERP connectors for web services.

Menu

- PeopleTools
 - Mobile Sync Framework
 - Security
 - Utilities
 - Workflow
 - Portal
 - Search Engine
 - Personalization
 - Process Scheduler
 - Cube Manager
 - Application Engine
 - Query Access Services
 - Integration Broker
 - Configuration
 - Integration Setup
 - Service Utilities
 - Web Services**
 - Provide Web Service
 - Consume Web Service
 - CI-Based Services
 - Deployment Validation
 - ERP Connectors Admin
 - ERP Connectors
 - Service Operations Monitor
 - File Utilities

Web Services menu

- Enter the WSDL Location copied from the BPEL Console in the step above.



Next >

Select WSDL Source

Select the source of the WSDL you would like to consume.

WSDL Sources

UDDI

WSDL URL

WSIL URL

File

Legacy WSDL (Prior to 8.48)

[Consume Web Service Wizard - Select WSDL Source page](#)

3. Select both services to consume.



< Previous Next >

Select Service

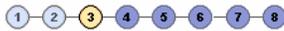
Select one or more services to consume.

WSDL Source: WSDL URL **Description:** http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0/TravelUserProfile?wsdl

Services			
Select	WSDL Service	WSDL Url	
<input checked="" type="checkbox"/>	TravelUserProfile	http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0/TravelUserProfile?wsdl	View WSDL
<input checked="" type="checkbox"/>	EX_TravelUserProfileCallbackService	http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0/TravelUserProfile?wsdl	View WSDL

[Consume Web Service Wizard - Select Service page](#)

4. Select both Service Ports and then click **Next**.



< Previous

Next >

Select Service Ports

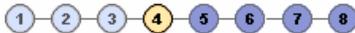
The service you selected has more than one port. Select one or more service ports. Complete routings will only be created for SOAP bindings.

WSDL Source: WSDL URL **Description:** http://MFOOSE110503:9700/orabpel/default/TravelUserProfile/1.0/TravelUserProfile?wsdl

Select	WSDL Service	Internal Service	WSDL Port	Endpoint
<input checked="" type="checkbox"/>	TravelUserProfile	TRAVELUSERPROFILE	EX_TravelUserProfilePort	http://MFOOSE110503:9700/orabpel/d
<input checked="" type="checkbox"/>	EX_TravelUserProfileCallbackService	EX_TRAVELUSERPROFILECALLBACKSE	EX_TravelUserProfileCallbackPort	http://set.by.caller

[Consume Web Service Wizard - Select Service Ports page](#)

5. Select both Service Operations and then click **Next**.



< Previous

Next >

Select Service Operations

Select one or more service operations to consume.

Internal Service: TRAVELUSERPROFILE

[View WSDL](#)

Select	WSDL Operation	Internal Operation	WSDL Port Type	Operation Type
<input checked="" type="checkbox"/>	EX_TravelUserProfileAction	EX_TRAVELUSERPROFILEACTION	EX_TravelUserProfile	Asynchronous - One Way
<input checked="" type="checkbox"/>	onResult	ONRESULT	EX_TravelUserProfileCallback	Asynchronous - One Way

[Select All](#)

[Clear All](#)

[Consume Web Service Wizard - Select Service Operations page](#)

6. Convert the one-way asynchronous service to a two-way asynchronous service.



< Previous

Next >

Convert Asynchronous Operations

Two Asynchronous One-Way operations can be converted to one Asynchronous Request/Response operation by identifying the Request and Callback operation pair. Select the pair and click Convert.

Internal Service: TRAVELUSERPROFILE

[View WSDL](#)

Async Request/Response Pair

Request Operation:

Callback Operation:

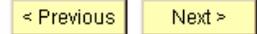
Asynchronous One-Way Operations First 1-2 of 2 Last

WSDL Operation	WSDL Request Message	WSDL Fault Message
EX_TravelUserProfileAction	OracleUserProfileRequestMessage	
onResult	OracleUserProfileResponseMessage	

Asynchronous Request/Response Operations First 1 of 1 Last

WSDL Operation	WSDL Request Message	WSDL Response Message	WSDL Fault Message

[Consume Web Service Wizard - Convert Asynchronous Operations page](#)



Convert Asynchronous Operations

Two Asynchronous One-Way operations can be converted to one Asynchronous Request/Response operation by identifying the Request and Callback operation pair. Select the pair and click Convert.

Internal Service: TRAVELUSERPROFILE [View WSDL](#)

Async Request/Response Pair

Request Operation:

Callback Operation:

Asynchronous One-Way Operations First ◀ 1 of 1 ▶ Last

WSDL Operation	WSDL Request Message	WSDL Fault Message

Asynchronous Request/Response Operations First ◀ 1 of 1 ▶ Last

WSDL Operation	WSDL Request Message	WSDL Response Message	WSDL Fault Message
EX_TravelUserProfileAction	OracleUserProfileRequestMessage	OracleUserProfileResponseMessage	

[Consume Web Service Wizard - Convert Asynchronous Operations page](#)

- You can optionally rename the message to a more meaningful name. However, the screenshot below shows acceptance of the default name.



Rename Operation Messages

Message names are generated automatically. You can optionally change them to more meaningful names.

Internal Service: TRAVELUSERPROFILE [View WSDL](#)

Operations View All First ◀ 1 of 1 ▶ Last

Internal Operation: EX_TRAVELUSERPROFILEACTION **Operation Type:** Asynch Request/Response

Messages First ◀ 1-2 of 2 ▶ Last

WSDL Request Message:	OracleUserProfileRequestMessage
Internal Message:	<input type="text" value="M1063530380"/>
WSDL Response Message:	OracleUserProfileResponseMessage
Internal Message:	<input type="text" value="M932026123"/>

[Consume Web Service Wizard - Resume Operation Messages page](#)

8. Set the Queue (called Channel in previous versions of PeopleTools) for Travel services.

Consume Web Service Wizard Step 7 of 8

1 2 3 4 5 6 7 8 < Previous Next >

Select a Queue for Asynchronous Operations

Select the queue to be used for each asynchronous operation.

Internal Service: TRAVELUSERPROFILE [View WSDL](#)

Operations		Find	First	1 of 1	Last
Internal Operation:	EX_TRAVELUSERPROFILEACTION	Operation Type:	Asynch Request/Response		
<input type="radio"/> Use Default Queue	WSDL_QUEUE				
<input checked="" type="radio"/> Use Existing Queue	<input type="text" value="TRAVEL"/>				

[Consume Web Service Wizard - Select a Queue for Asynchronous Operations page](#)

9. Set the receiver Node.

Consume Web Service Wizard Step 8 of 8

1 2 3 4 5 6 7 8 < Previous Finish

Select the Receiver Node

Select the receiver node for this service.

Internal Service: TRAVELUSERPROFILE [View WSDL](#)

Use Default Node WSDL_NODE

Use Existing Node

[Consume Web Service Wizard - Select the Receiver Node page](#)

10. If the Service operation exists, you will get this message. Answer **Yes**.

Service Operations exist. Click 'Yes' to replace existing Service Operations. Click 'No' to abort. (158,4016)

Service Operations exist. Click 'Yes' to replace existing Service Operations. Click 'No' to abort.



[Service Operations Exist message](#)

11. When finished, you will receive confirmation.

Consume Web Service Wizard

Confirm Results

View the logs below to confirm the creation of the service and service operations you selected. You can choose to consume another service or view the service that was just consumed.

Internal Service: TRAVELUSERPROFILE



The screenshot shows a window titled "Operations" with a navigation bar at the top right containing "First", "1 of 1", and "Last". Below the title bar, the "Operation Name" is "EX_TRAVELUSERPROFILEACTION" and the "Operation Type" is "Asynch Request/Response". A section titled "WSDL Import Log:" contains a scrollable list of the following entries:

- Created/Updated Operation : EX_TRAVELUSERPROFILEACTION
- Created Request Message : M1063530380
- Generated schema for Message : M1063530380
- Created Response Message : M932026123

[View Consumed Service](#)

[Consume Another Service](#)

[Consume Web Service Wizard - Confirm Results page](#)

12. From here, select the **View Consumed Service** button, so that it can be setup. The system opens a new window.

Set up Service and Handlers

The figure below shows the Consumed Service configured above.

Menu

- Integration Setup
 - CodeSets
 - Nodes
 - Messages
 - Queues
 - Services**
 - Service Operations
 - Routings
- Service Utilities
- Web Services
- Service Operations Monitor
- File Utilities
- REN Server Configuration
- Setup Manager
- MultiChannel Framework
- Archive Data
- Data Archive Manager
- Translations
- EDI Manager
- Mass Changes
- Performance Monitor
- Web Profile
- Development Utilities
- Packaging
- PSUnit
- Tax Center
- Component Performance Profile
- Treasury Management Center
- Treasury Processing Center
- Treasury Definitions Center
- Change My Password
- My Personalizations
- My System Profile

Services

Service: TRAVELUSERPROFILE
Description: TRAVELUSERPROFILE
Comments: TRAVELUSERPROFILE
Service Alias: TravelUserProfile
Object Owner ID: Expenses
Namespace: http://xmlns.oracle.com/Enterprise/FSCM/EX_Travel

[View WSDL](#)

Service Operations

Service Operation:
Operation Type: **Add**

Existing Operations Customize | Find | View All | First 1 of 1 | Last

Operation	Message Links		
Operation.Default Version	Description	Active	Operation Type
EX_TRAVELUSERPROFILEACTION.V1	EX_TRAVELUSERPROFILEACTION	<input checked="" type="checkbox"/>	Asy Rq/Rsp

Save

[Return to Search](#)

Add

Update/Display

Services page

1. Update the Service Operations by clicking the link for **EX_TRAVELUSERPROFILEACTION.V1**.
2. Enter the Object Owner ID as *Expenses*.

ORACLE

Home | Worklist | MultiChannel Console | Add to Favorites

Menu

- Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
- Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password

New Window | Customiz

General | Handlers | Routings

Service Operation: EX_TRAVELUSERPROFILEACTION

Service: TRAVELUSERPROFILE

Operation Type: Asynch Request/Response

***Operation Description:** EX_TRAVELUSERPROFILEACTION User/Password Required

Operation Comments: EX_TRAVELUSERPROFILEACTION

Object Owner ID: Expenses

Operation Alias: EX_TravelUserProfileAction [Service Operation Security](#)

Default Service Operation Version

*Version: V1 Default Active

Version Description: EX_TRAVELUSERPROFILEACTION

Version Comments: ** DO NOT REMOVE **

Binding Style: SOAP

Non-Repudiation

Runtime Schema Validation

[Introspection](#)

Add Fault Type

Routing Status

Any-to-Local:	Does not exist
Local-to-Local:	Does not exist

Routing Actions Upon Save

Generate Any-to-Local

Services – General page (page 1 of 2)

- Archive Data
- Data Archive Manager
- Translations
- EDI Manager
- Mass Changes
- Performance Monitor
- Web Profile
- Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations
 - My System Profile

Message Information

Type: Request

Message.Version: M1063530380.V1 [View Message](#)

***Queue Name:** TRAVEL [View Queue](#) [Add New Queue](#)

Type: Response

Message.Version: M932026123.V1 [View Message](#)

***Queue Name:** TRAVEL [View Queue](#) [Add New Queue](#)

Save [Return to Service](#) [Add Version](#)

General | [Handlers](#) | [Routings](#)

Services – General page (page 2 of 2)

- On the Handler Tab, enter the Name of *TravelUserProfileAction* and set the type to be *On Response*. Set the Implementation to *App Class* and the Status to *Active*. Click **Save**.

ORACLE

Home | Worklist | MultiChar

Menu

- Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
- Development Utilities
- Packaging
 - PSUnit
 - Tax Center

General | Handlers | Routings

Service Operation: EX_TRAVELUSERPROFILEACTION
Default Version: V1
Operation Type: Asynch Request/Response

*Name	*Type	*Implementation	*Status	
TravelUserProfileA	On Response	App Class	Active	Details + -

Save [Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Handlers tab

- Next, click the **Details** link.
- Enter the fields as shown below:

ORACLE

Home | Worklist | MultiChannel Console

Menu

- Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
- Development Utilities
- Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management

[New Window](#)

Action Details

Handler Name: TravelUserProfileAction
Handler Type: On Response
Description: Travel User Profile Action
Comments: Request / Response
Handler Owner: EXPENSES

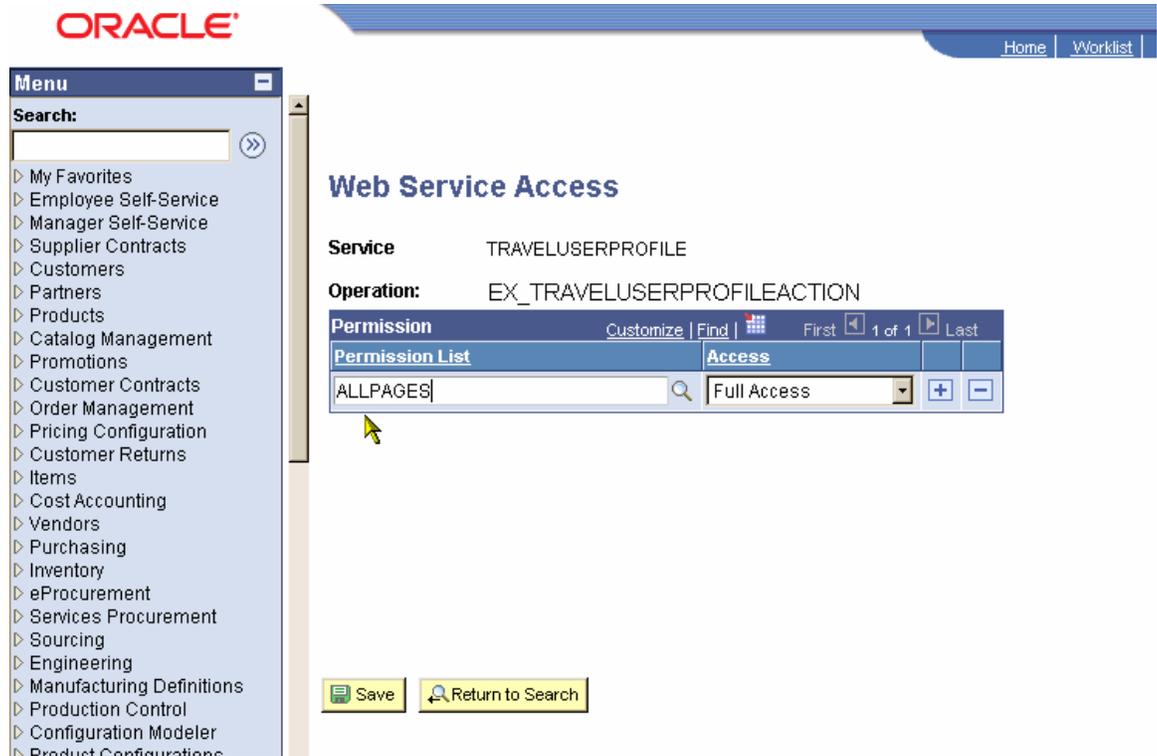
Application Class

***Package Name:** TV_UTILITIES
***Path:** UserProfiles
Class ID: CreateProfileRS
Method: OnNotify

OK Cancel

[Actions Details page](#)

6. Select the General tab again and click the **Service Operation Security** link.
7. On the Service Operation Security page, enter the *ALLPAGES* permission list. Set the **Access** field to *Full Access*.
8. Save and then close the window.



[Web Service Access page](#)

9. Save the operation.
10. Save and then click the **Return to Service** link.

- Menu
 - Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations
 - Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
 - Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations

Default Service Operation Version

*Version: V1 Default Active

Version Description: EX_TRAVELUSERPROFILEACTION

Version Comments: **** DO NOT REMOVE ****
Binding Style: SOAP

Non-Repudiation

Introspection

Microsoft Internet Explorer

Service operation saved. (158,2158)

Routing Status

Any-to-Local: Does not exist.
Local-to-Local: Does not exist.

Routing Actions Upon Save

Generate Any-to-Local

Add Fault Type

Message Information

Type: Re
Message.Version: M1063530380.V1 [View Message](#)
*Queue Name: TRAVEL [View Queue](#) [Add New Queue](#)

Type: Response
Message.Version: M932026123.V1 [View Message](#)
*Queue Name: TRAVEL [View Queue](#) [Add New Queue](#)

Save [Return to Service](#) [Add Version](#)

General | [Handlers](#) | [Routings](#)

Services – General page

11. Save the service.
12. Save and close window.

Services page

Activate HCM messages (optional)

The Travel and Expense application can manage employee data or synchronize employee information with an Enterprise HCM instance. In order to allow the HCM data to drive the employee information, one must activate or confirm the activation of the HCM messages that Travel will use.

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Services.

The Services needed are CORPORATE_CARD_DATA_FULLSYNC , CORPORATE_CARD_DATA_SYNC , CORPORATE_CARD_FULLSYNC , CORPORATE_CARD_SYNC , PERSON_BASIC_FULLSYNC, PERSON_BASIC_SYNC, PERSON_VISA_CITIZEN_FULLSYNC1, PERSON_VISA_CITIZEN_SYNC, WORKFORCE_FULLSYNC, and WORKFORCE_SYNC.

The CORPORATE_CARD_DATA_FULLSYNC service will be used below as a sample to be followed with the other services.

2. From the Services page, click the **Operation** link (Note that the **Action** check box is unselected).

- Menu
 - Integration Setup
 - CodeSets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routines
 - Service Utilities
 - Web Services
 - Service Operations
 - Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
 - Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations
 - My System Profile

[New Window](#) | [Custom](#)

Services

Service: CORPORATE_CARD_DATA_FULLSYNC
Description: Corporate Card Full Publish
Comments: Employee Credit Card Full Publish
Service Alias:
Object Owner ID: Purchasing
Namespace: http://xmlns.oracle.com/Enterprise/FSCM/service/CO

[View WSDL](#) [Provide Web Service](#)

Service Operations
Service Operation:
Operation Type:

Existing Operations Customize | Find | View All | First 1 of 1 | Last

Operation	Message Links		Active	Operation Type
Operation.Default Version		Description		
CORPORATE_CARD_DATA_FULLSYNC.VERSION 1		Corporate Card Full Publish	<input type="checkbox"/>	Asynch

Services page

3. Turn on the **Action** check box.

- Menu
- Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
- Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance Profile
 - Treasury Management Center
 - Treasury Processing Center
 - Treasury Definitions Center
 - Change My Password
 - My Personalizations
 - My System Profile
 - My Dictionary

General | **Handlers** | Routings

Service Operation: CORPORATE_CARD_DATA_FULLSYNC
Service: CORPORATE_CARD_DATA_FULLSYNC
Operation Type: Asynchronous - One Way
***Operation Description:** Corporate Card Full Publish **User/Password Required**
Operation Comments:
Object Owner ID: Purchasing
Operation Alias: [Service Operation Security](#)

Default Service Operation Version

*Version: VERSION_1 **Default** **Active**
Version Description: Corporate Card Full Publish
Version Comments:
 Non-Repudiation
 Runtime Schema Validation

[Introspection](#)

Message Information

Type: Request
 CORPORATE_CARD_DATA_FULLSYNC

Routing Status

Any-to-Local:	Exists
Local-to-Local:	Does not exist

Routing Actions Upon Save

Regenerate Any-to-Local
 Generate Local-to-Local

Services – General page

4. Select the Handlers tab.
5. Change the Status to *Active* for the handlers.

ORACLE

Home | Worklist | MultiChannel Console

Menu

- Integration Setup
 - Codesets
 - Nodes
 - Messages
 - Queues
 - Services
 - Service Operations
 - Routings
 - Service Utilities
 - Web Services
 - Service Operations
 - Monitor
 - File Utilities
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
 - Web Profile
 - Development Utilities
 - Packaging
 - PSUnit
 - Tax Center
 - Component Performance
 - Profile
 - Transaction Management

General | **Handlers** | Routings

Service Operation: CORPORATE_CARD_DATA_FULLSYNC
Default Version: VERSION_1
Operation Type: Asynchronous - One Way

Handlers

*Name	*Type	*Implementation	*Status		
CorporateCardDataFullSync	OnNotify	App Class	Inactive	Details	+ -

Save [Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Handlers tab

6. Select the Routings tab.

It should now be possible to activate the routing that is inbound (going from PSFT_HR to PSFT_EP) for this message by selecting the **Selected** checkbox for the routing and clicking the **Activate Selected Routings** button.

7. Enter a Routing name for your routing. Using **TV_** and as much of the operation name as will fit is a good convention. Then, click **Add**.

General | **Handlers** | **Routings**

Service Operation: CORPORATE_CARD_DATA_FULLSYNC
 Default Version: VERSION_1
 Routing Name:

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	Status
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLS_CRIN	VERSION_1	Asynch	PSFT_CR	PSFT_EP	Inbound	Inactive
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLS_HRIN	VERSION_1	Asynch	PSFT_HR	PSFT_EP	Inbound	Inactive
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSY_OUT	VERSION_1	Asynch	PSFT_EP	PSFT_XOUTBND	Outbound	Inactive
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_CR	VERSION_1	Asynch	PSFT_EP	PSFT_CR	Outbound	Inactive
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_HR	VERSION_1	Asynch	PSFT_EP	PSFT_HR	Outbound	Inactive
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_IN	VERSION_1	Asynch	~~ANY~~	PSFT_EP	Inbound	Inactive

[Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Routings tab

8. Enter the Sender Node (The HCM node).
9. Enter the Receiver Node (The FMS node).
10. Set the Object Owner ID as *Expenses*.
11. Save and then click **Return**.



Routing Definitions

Parameters

Routing Name: TV_CORP_CARD_DATA_FULLSYNC **Active**

***Service Operation:** CORPORATE_CARD_DATA_FULLSYNC **System Generated**

Version: VERSION_1

***Description:** TV_CORP_CARD_DATA_FULLSYNC

Comments:

***Sender Node:** PSFT_HR

***Receiver Node:** PSFT_EP

Routing Type: Asynchronous - One Way

Object Owner ID: Expenses

[Routing Definitions](#) | [Parameters](#)

[Routing Definitions page](#)

12. Save the Service Operation. Then, click the **Return to Service** link.

General | **Handlers** | **Routings**

Service Operation: CORPORATE_CARD_DATA_FULLSYNC
Default Version: VERSION_1
Routing Name:

Selected	Name	Version	Routing Type	Receiver Node	Direction	Status		
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLS_CRIN	VERS		PSFT_EP	Inbound	Inactive	-	
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLS_HRIN	VERS		PSFT_EP	Inbound	Inactive	-	
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSY_OUT	VERS		PSFT_XOUTBND	Outbound	Inactive	-	
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_CR	VERS		PSFT_CR	Outbound	Inactive	-	
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_HR	VERSION_1	Asynch	PSFT_EP	PSFT_HR	Outbound	Inactive	-
<input type="checkbox"/>	CORPORATE_CARD_DATA_FULLSYN_IN	VERSION_1	Asynch	~ANY~	PSFT_EP	Inbound	Inactive	-
<input type="checkbox"/>	TV_CORP_CARD_DATA_FULLSYNC	VERSION_1	Asynch	PSFT_HR	PSFT_EP	Inbound	Active	-

[Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Routings tab

13. Notice that the **Active** check box is now turned on. Save the Service and return to Search.



Services

Service: CORPORATE_CARD_DATA_FULLSYNC
***Description:** Corporate Card Full Publish
Comments: Employee Credit Card Full Publish
Service Alias:
Object Owner ID: Purchasing
***Namespace:** http://xmlns.oracle.com/Enterprise/FSCM

[View WSDL](#) [Provide Web Service](#)



Service Operations
Service Operation:
Operation Type:

Existing Operations Customize | Find | View All | First 1 of 1 Last

Operation	Message Links	
Operation.Default Version	Description	Active
CORPORATE_CARD_DATA_FULLSYNC.VERSION 1	Corporate Card Full Publish	<input checked="" type="checkbox"/>

Services page

- Proceed with the rest of the messages.

Note. The only exception is for WORKFORCE_SYNC. It is only necessary to activate one of the 2 handlers.

- Activate JobSync handler (Travel does not use the PV_SYNC handler).



General **Handlers** Routings

Service Operation: WORKFORCE_SYNC
Default Version: VERSION_1
Operation Type: Asynchronous - One Way

Handlers				Customize	Find	View All	First	1-2 of 2	Last
*Name	*Type	*Implementation	*Status						
JobSync	OnNotify	DPC	Active	Details	+	-			
PV_SYNC	OnNotify	DPC	Inactive	Details	+	-			

Save

[Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Handlers tab

Task 19-4: Configure Integration Broker for itinerary exchange

To configure the integration broker for itinerary exchange:

1. Navigate to PeopleTools → Integration Broker → Integration Setup → Services.
2. Confirm the settings on the Handlers tab and Service Operation Security.

[Services – General page](#)

3. Click the Service Operation **Security** link and make sure security is set up correctly for the operation.

Web Service Access

Service TV_RESERVATION

Operation: CREATE_RESERVATION

Permission		Customize	Find	First	1 of 1	Last
Permission List	Access					
ALLPAGES	Full Access					

[Web Service Access page](#)

4. Click the **Handlers** tab. Make sure the **Name**, **Type**, **Implementation**, and **Status** fields are setup correctly.

General **Handlers** Routings

Service Operation: CREATE_RESERVATION
Default Version: v1
Operation Type: Synchronous

Handlers								
				Customize	Find	View All		
*Name	*Type	*Implementation	*Status	First	1 of 1	Last		
REQUESTHDLR	OnRequest	App Class	Active	Details	+	-		

Save

[Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Handlers tab

5. Confirm that the **Type** field is set to *OnRequest*, the **Implementation** field is set to *App Class*, and the **Status** field is set to *Active*.
6. Click the **Details** link.

Service Operation: CREATE_RESERVATION

Default Version: v1

Operation Type: Synchronous

Handlers				Customize	Find	View All	First	1-2 of 2	Last
*Name	*Type	*Implementation	*Status						
REQUESTHDLR	OnRequest	App Class	Active	Details					
REQUESTHDLR2			Active	Details					

Save

[Return to Service](#)

[General](#) | [Handlers](#) | [Routings](#)

Handlers tab

7. Confirm that the settings on the Action Details page match the figure below.

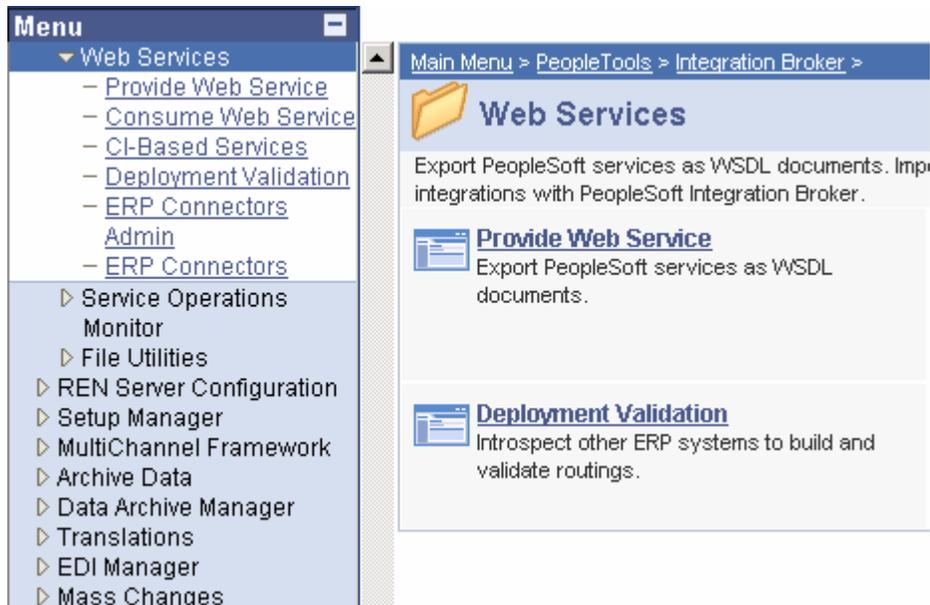
Action Details**Handler Name:** REQUESTHDLR**Handler Type:** OnRequest**Description:** RESERVATIONHANDLER**Comments:****Handler Owner:** EXPENSES**Application Class*****Package Name:** TV_UTILITIES***Path:** Reservations**Class ID:** CreateReservationsRQ**Method:** onRequest

OK

Cancel

[Action Details page](#)

8. Ensure that the web services are also set up correctly. Click the **Provide Web Service** link.



[Web Services menu](#)

9. Select the TV_RESERVATION service and then click **Next**.

Provide Web Service Wizard

Step 1 of 4



[Next >](#)

Select Services

Enter search criteria and click Search. Select one or more services you would like to provide.

Search Criteria	
Service Name:	begins with <input type="text" value="TV"/>
Description:	begins with <input type="text"/>
Object Owner ID:	equals <input type="text"/>

[Search](#)

Search Results	
Find View All First <input type="button" value="◀"/> 1 of 1 <input type="button" value="▶"/> Last	
Service	Description
<input checked="" type="checkbox"/> TV_RESERVATION	Reservation Service

[Select All](#) [Clear All](#)

[Provide Web Service Wizard – Select Services page](#)

10. Select CREATE_RESERVATION and then click **Next**.

Provide Web Service Wizard **Step 2 of 4**

1 2 3 4 < Previous Next >

Select Service Operations

Select one or more operations for each service.

Service: TV_RESERVATION **Description:** Reservation Service

Operations						Find View All First 1 of 1
	Service Operation	Description	Operation Type	Request Message	Response Message	Fault M
<input checked="" type="checkbox"/>	CREATE_RESERVATION.v1	Create Reservation	Synchronous	TV_RESV_RQ.V1	TV_RESV_RS.V1	

[Select All](#) [Clear All](#)

[Provide Web Service Wizard – Select Service Operations page](#)

11. Click **Next** on this page.

Provide Web Service Wizard **Step 3 of 4**

1 2 3 4 < Previous Next >

View WSDL

View the generated WSDL for each service.

Selected Services			First 1 of 1 Last
Service	Description		
TV_RESERVATION	Reservation Service	View WSDL	

[Provide Web Service Wizard – View WSDL page](#)

Note. It is important that you click **Finish** to finish the process.

Provide Web Service Wizard

Step 4 of 4



< Previous

Finish

Specify Publishing Options

The WSDL for the selected services will be published to the PeopleSoft WSDL Repository. You can also publish the WSDLs to one or more UDDI Servers.

Publish to UDDI

WSDL Repository

[Provide Web Service Wizard – Specify Publishing Options page](#)

12. If the web service is set up correctly, a confirmation similar to that shown below should appear.

Provide Web Service Wizard

Confirm Results

View the WSDL Generation Log to confirm the results of the wizard.

WSDL Generation Log:

```
Service: TV_RESERVATION has been exported.  
  
Inserted WSDL: TV_RESERVATION.1 in the repository  
  
Generated WSDL URL:  
http://10.138.204.63/PSIGW/PeopleSoftServiceListeningConnector/TV_RESERVATION.1.  
wsdl
```

Provide Another Service

Generate SOAP Template

[Provide Web Service Wizard – Confirm Results page](#)

Task 19-5: Deploy ReceivePNR web application to enable Aergo reservation exchange (optional)

The ReceivePNR web application is a sample application provided to enable integration with the Aergo on-line travel application. A Enterprise Archive, or EAR file, was created in a directory while running the BPEL deployment process in step 15-1. This web application can be deployed into an Oracle Application Server OC4J instance. The following steps show a typical installation.

1. Locate the ear file in the file structure created by running the obant process that deployed the BPEL processes.
2. Login into OAS Console and click on the OC4J instance name where the application will be installed. Click the **Applications** tab. Click the **Deploy EAR file** button.

Home **Applications** Administration

Page Refreshed **May 24, 2006 3:08:1**

Default Application Name **default**
 Default Application Path **application.xml**

Deployed Applications **Deploy EAR file** Deploy

Select Name	Path	Parent Application	Active Requests	Request Processing Time (seconds)
<input checked="" type="radio"/> AmadeusPNR	../applications/AmadeusPNR.ear	default	0	0.00

Home **Applications** Administration

Applications tab

Navigate to the location of the .EAR file. Name the application.

Application Server: [ias_BPEL_adas0144.peoplesoft.com](#) > [OC4J: OC4J: TV](#) >

Deploy Application

For a J2EE application to be successfully deployed on the OC4J container, the application has to be assembled correctly as an Enterprise Archive (ear) file, with all the needed application and module deployment descriptors. The OC4J container generates default OC4J specific deployment descriptors when the application is deployed. If you have custom OC4J specific deployment descriptors that you wish to use, you need to include these in the ear file.

J2EE Application

* Application Name

Parent Application

Deploy Application page

Click **Continue**. Enter an appropriate URL Mapping. The URL of this application will be the one to provide to Amadeus for the Aergo itinerary link. Click **Next**.

ORACLE Enterprise Manager 10g Application Server Control [Logs](#) [Topology](#) [Preferences](#) [Help](#)

URL Mappings for Web Modules
 User Manager
 Review

Deploy Application: URL Mapping for Web Modules

A web module needs to be mapped to an URL pattern in the default web site before it can be accessed. The following table lists all the web modules found in your application. Specify the URL mapping for each of these modules.

Name	URI Mapping
	<input type="text" value="eTravelB1"/>

Step 1 of 3

Deploy Application: URL Mapping for Web Modules page

3. Accept the default for the User Manager or specify a User Manager as appropriate. Click **Next**.

ORACLE Enterprise Manager 10g
Application Server Control

URL Mappings for Web Modules **User Manager** Review

Deploy Application: User Manager

Specify a user manager to be associated with the application. Note that all web modules in your a SSO enabled, when you use JAZN LDAP as your user manager.

- Use JAZN XML User Manager

Default Realm

XML Data File `./jazn-data.xml`

- Use XML User Manager

Path to principals file

[Deploy Application: User Manager page](#)

4. Click **Deploy**.

ORACLE Enterprise Manager 10g
Application Server Control

Logs Topology Preferences Help

URL Mappings for Web Modules User Manager **Review**

Deploy Application: Review

Ear File to Deploy **webapp.ear**
Deployment Destination **Instance OC4J_TV_a**
URLs Mapped to Application **eTravel81**

TIP The HTTP listener will be restarted after deployment, to pick up the new web module mappings.

[Deploy Application: Review page](#)

5. Test the application by entering the complete URL into a browser. You should see a page like the one below:

Travel Booking Test Page

```
Amadeus Response Message
--MIME_boundary
Content-Type: text/xml; charset=UTF-8
Content-Transfer-Encoding: 8bit
Content-ID: <soap_structure>

<?xml version='1.0' encoding='UTF-8'?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance" xmlns:xsd="http://www.w3.org/1999/XMLSchema">
  <SOAP-ENV:Body>
    <ns1:processResponse xmlns:ns1="urn:TripFlow" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <message href="cid:ETH_xml"/>
    </ns1:processResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

--MIME_boundary
Content-Type: text/xml
Content-Transfer-Encoding: 8bit
```

Submit Query

[Test page](#)

6. The web application has been successfully deployed.

Task 19-6: Configure Aergo properties

Refer to the Aergo administration documentation or confer with your site administrator to configure profile link and the itinerary exchange. The URL for the itinerary exchange should be the URL of the web application deployed above.

Task 19-7: Verify the Integration

Work with the Travel application provider to devise a test plan appropriate to the features you plan to use.

P A R T I I I : I N S T A L L I N G S C M
A P P L I C A T I O N S

INSTALLING PEOPLESOFT ENTERPRISE EPROCUREMENT 9.0

PeopleSoft eProcurement is an application that enables all employees to use web pages to meet their procurement needs. Using electronic catalogs, employees can order the supplies and services they need to do their jobs. Buyers can use PeopleSoft eProcurement to efficiently create and process purchase orders. Suppliers can use PeopleSoft eProcurement to enter invoices.

Note. To install PeopleSoft eProcurement, you must have administrator access rights to the local machine being used for installation.

Task Overview

The following table summarizes the tasks in this document.

Task No.	Task Name
Task 20-1	Installing eProcurement CUP Item Export

Task 20-1: Installing eProcurement CUP Item Export

When you install the Financials/SCM application, the system downloads the CUP Export setup program on your workstation.

To install PeopleSoft eProcurement CUP Item Export:

The installation of the Financials/SCM application CD-ROM downloads the eProcurement CUP setup to the following directory path on your local drive:

C: \<PS_HOME>setup\eProcurement\eng\Setup. exe

Note. You can find the Setup.exe in the folder named after your language code. For example, if the language is English, the Setup.exe should reside in the **eng** folder.

1. Double click **Setup.exe**.



Cup Item Export Welcome window

2. Click **Next** to access the Choose Destination Location window.

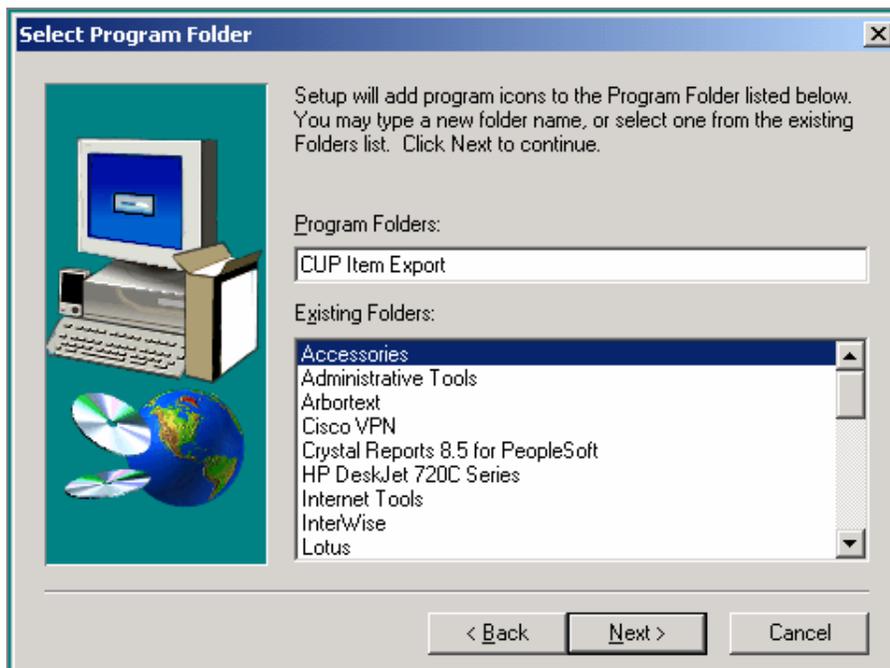
The Choose Destination Location window displays the default destination (C:\Program Files\PeopleSoft, Inc\CUP Item Export) to which the installer will load the CUP Item Export Setup program. To use another installation destination, click **Browse** and enter the new destination path, or navigate to another folder or network drive.



Choose Destination Location window

3. Click **Next** to display the Select Program Folder window.

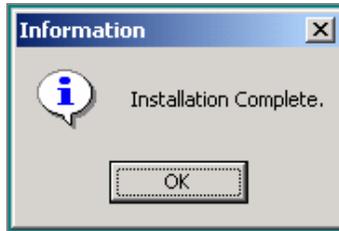
The setup program populates the Program Folder name that defaults to CUP Item Export. Enter a new folder name or select one from the list of existing folders.



Select Program Folder window

4. Click **Next** to start copying files.

After the system has finished copying the files, the following window appears:



[Installation Complete window](#)

5. Click **OK**.

The CUP Item Export is now installed locally to your hard drive.

ENTERPRISE QUALITY APPLICATION CLIENT 9.0

The PeopleSoft Quality Application Client is an optional module that provides a Windows workstation with highly interactive statistical analysis and graphics.

PeopleSoft Quality enables you to display, manage, and analyze quality data both on and off the web. The PeopleSoft Quality Application Client also provides a variety of ways to generate interactive charts, graphs, spreadsheets, and statistics.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 21-1	Installing PeopleSoft Quality Application Client
Task 21-2	Installing the PeopleSoft Quality Application Client Locally or to a Network Drive
Task 21-3	Updating Your Registry Entries to Reference a Network Quality Application Client
Task 21-4	Verifying Installation of PeopleSoft Quality

Task 21-1: Installing PeopleSoft Quality Application Client

When installing PeopleSoft Quality Application Client, you have two options:

- You can install the PeopleSoft Quality Application Client to your local hard drive or a network drive. The local or Network Client version of the Quality Application Client is intended for use by quality analysts or power users who need to perform offline analyses or process characterizations. This version is stand-alone as a Windows program.

- You can update your local registry settings to point to the Quality Application Client instance that has already been installed on a network drive in your environment.

The option of installing the PeopleSoft Quality Application Client to your local hard drive or network drive and the option to update your local registry settings will be used in conjunction with each other.

Task 21-2: Installing the PeopleSoft Quality Application Client Locally or to a Network Drive

Use the following procedure to install the PeopleSoft Quality Application Client to a local or network drive.

Before You Begin

- Log in to a user account with administrator privileges.
- Close all other applications that are running on your system.

Note. You can run the installation process as many times as needed on the same machine. We recommend that you uninstall the software prior to reinstalling it again, but it will not cause any problems if you don't perform the uninstall.

To install the PeopleSoft Quality Application Client locally:

The installation of the Financials/SCM application CD-ROM downloads the Quality setup to the following directory path on your local drive:

C: \<PS_HOME>\setup\Qual i ty\eng\Setup. exe

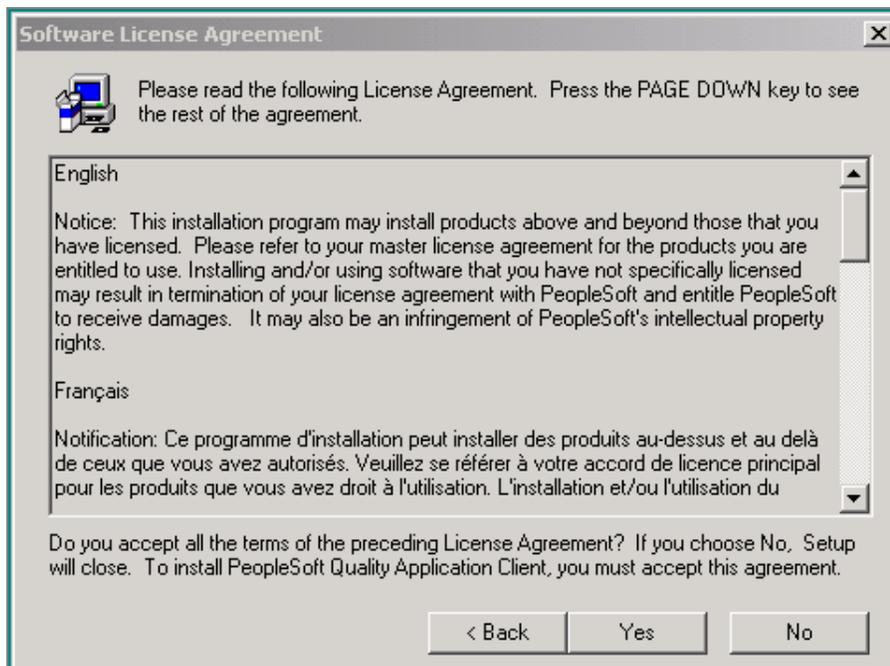
Note. You can find the Setup.exe in the folder named after your language code. For example, if the language is English, the Setup.exe should reside in the eng folder.

1. Double click **setup.exe**.



PeopleSoft Quality Application Client Welcome window

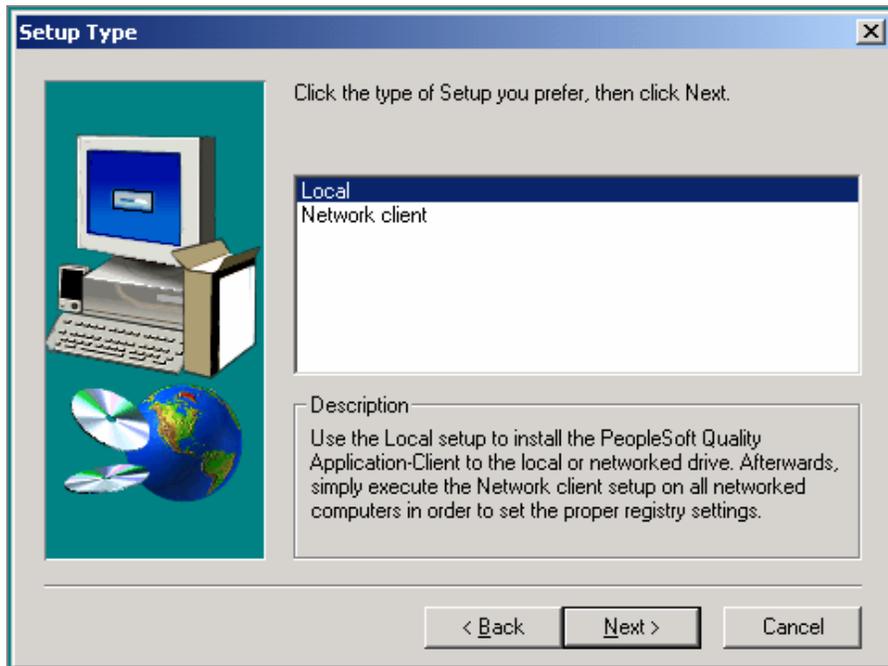
2. Click **Next**.



Software License Agreement window

3. Click **Yes** to accept the Software License Agreement.

Click **No** if you don't want to accept the Software License Agreement. This selection stops the install process.

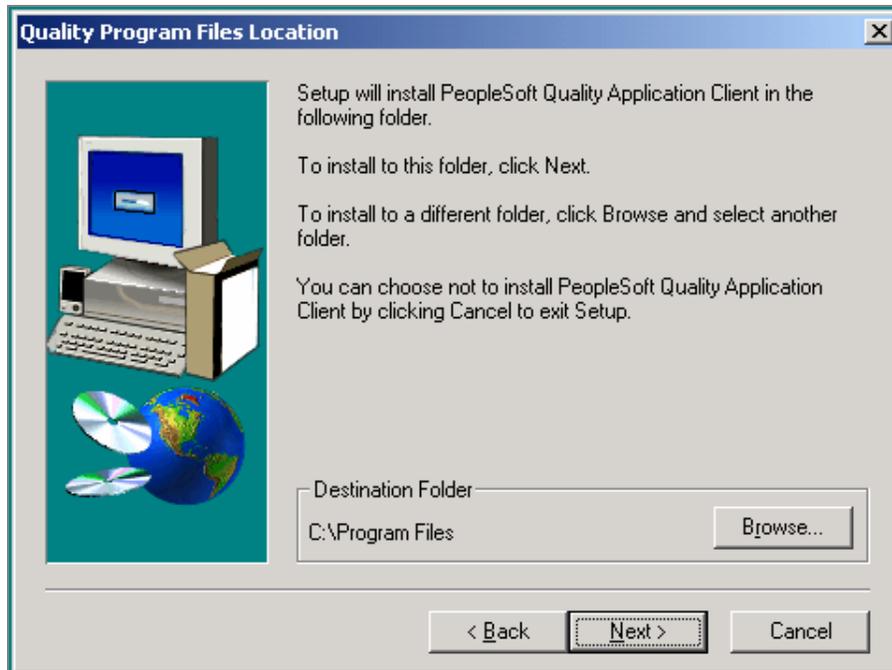


Setup Type window

4. Select the setup type of Local and then click Next.

Setup Types include the following:

- Local: Select to install the PeopleSoft Quality Application Client to your local hard drive or a network drive.
- Network Client: Select to update your local registry settings to point to the PeopleSoft Quality Application Client that has already been installed on a network drive in your environment.

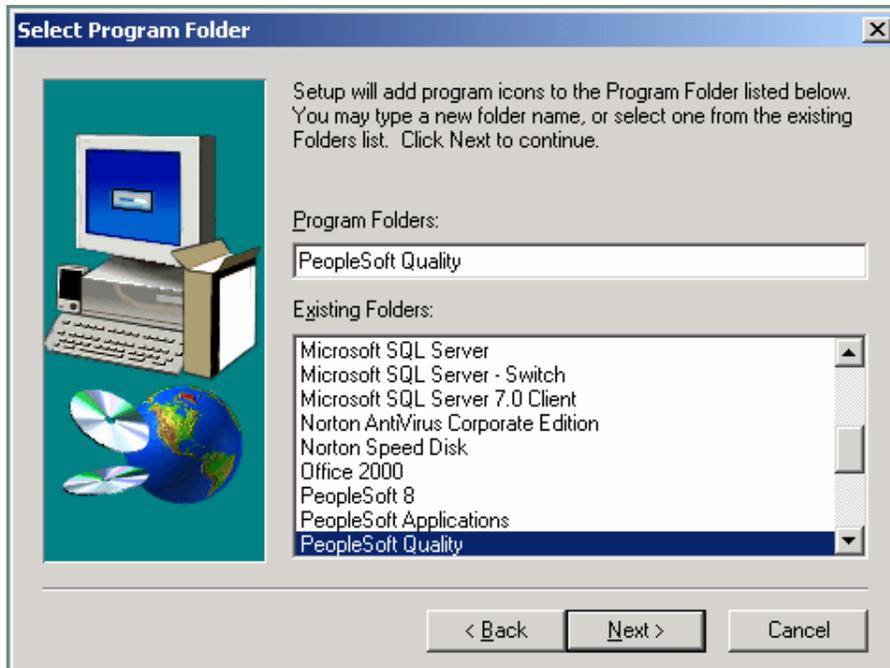


Quality Program Files Location window

5. In the Quality Program Files Location window, enter the Destination Folder and then click **Next**.

The setup program attempts to populate the **Destination Folder** location for you. Click **Browse** to select a different location.

Note. We suggest that you use the system defaults for the Destination Folder. The install script for Setup Type (Network Client) has been designed to automatically look for this particular name (drive:\Program Files\PeopleSoft Applications\Quality) in its processing. If you change the location or name to something else, when you execute the other option, you'll have to remember where you loaded the PeopleSoft Quality files.

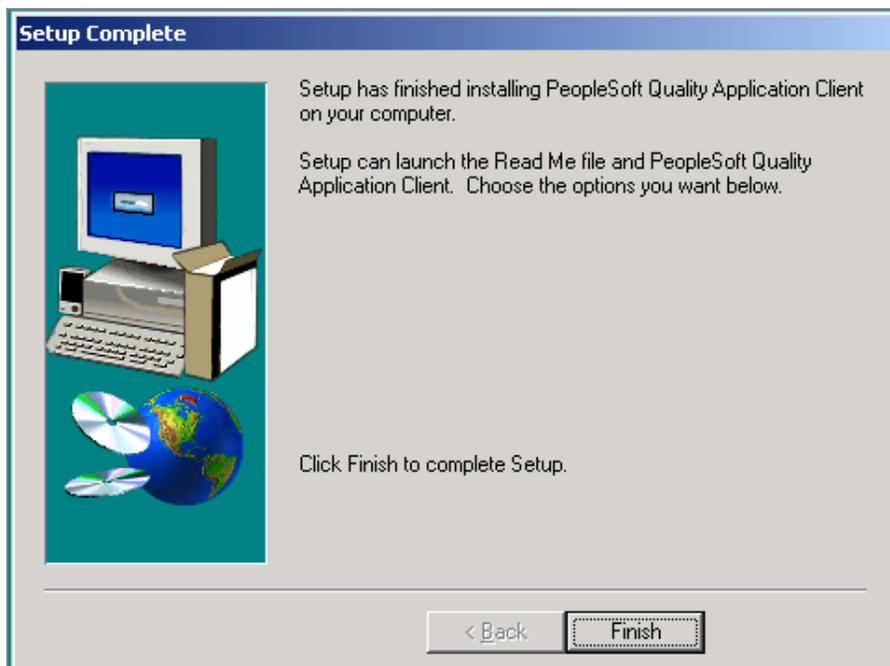


Select Program Folder window

6. Verify the program folder location.

The setup program populates the Program Folders name for you. You may enter a different one.

The setup program executes the PeopleSoft Quality Client install process. When the install process completes, the following window appears:



Setup Complete window

7. Click **Finish**.

The PeopleSoft Quality Application Client is now installed locally to your hard drive.

Task 21-3: Updating Your Registry Entries to Reference a Network Quality Application Client

Use the following procedure to update your local registry settings to reference a PeopleSoft Quality Application Client that has already been installed on a network drive. Perform this procedure after installing the PeopleSoft Quality Application Client to a network drive.

Before You Begin

- Log in to a user account with administrator privileges.
- Close all other applications that are running on your system.
- Note the URL path to PeopleSoft Quality HTML help pages on your system.

Note. You can run the installation process as many times as needed on the same machine. We recommend that you uninstall the software prior to reinstalling it again, but it will not cause any problems if you don't perform the uninstall.

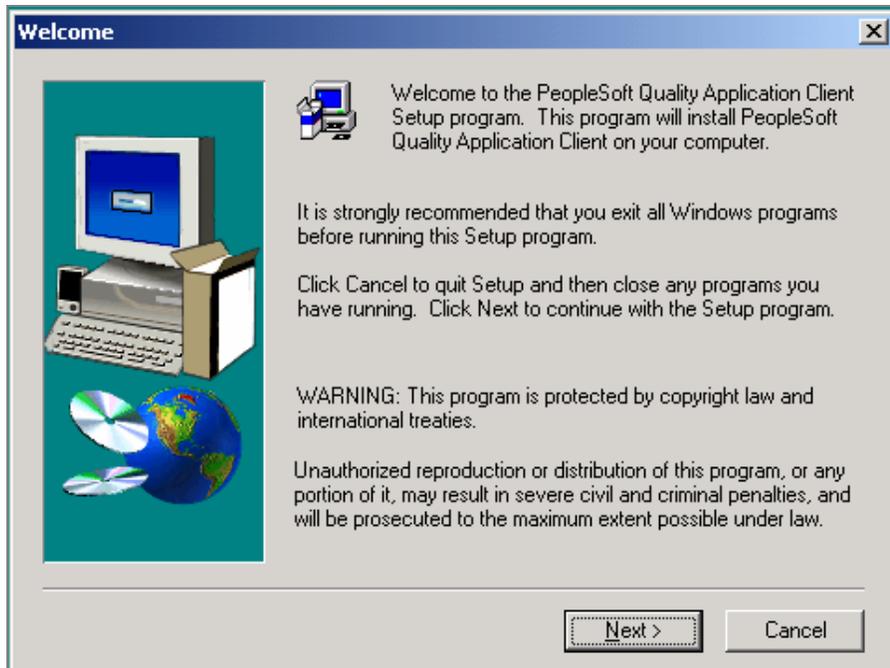
To update your registry entries:

The installation of the Financials/SCM application CD-ROM downloads the Quality setup to the following directory path on your local drive:

C: \<PS_HOME>\setup\Qual i ty\eng\Setup. exe

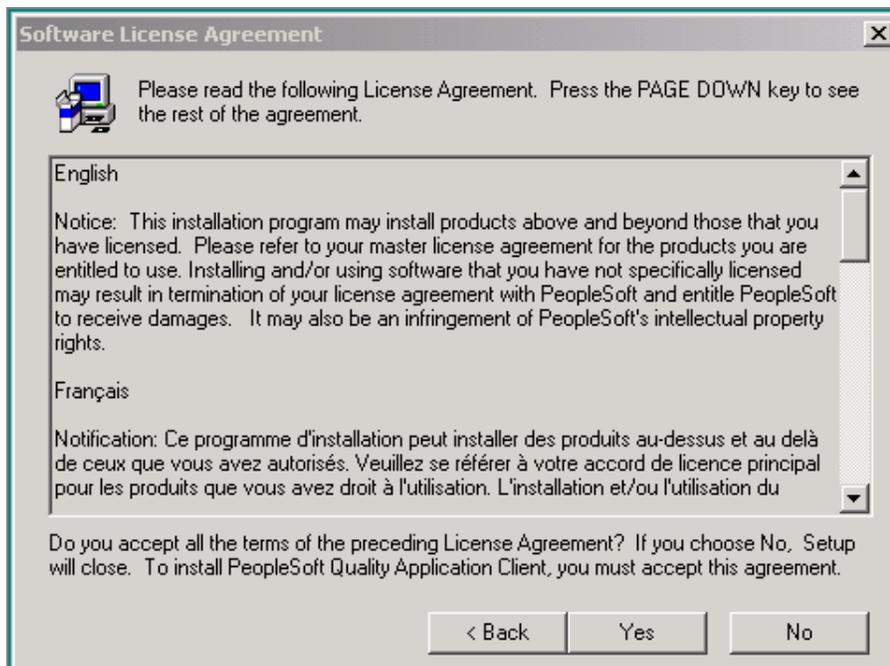
Note. You can find the Setup.exe in the folder named after your language code. For example, if the language is English, the Setup.exe should reside in the eng folder.

1. Double click **setup.exe** that you have downloaded.



PeopleSoft Quality Application Client Welcome window

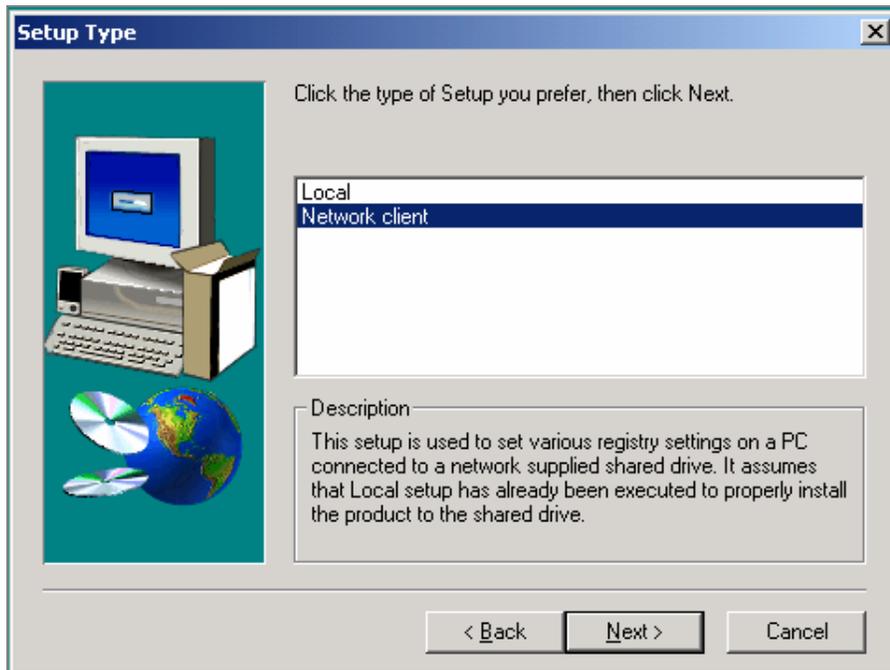
2. Click **Next**.



Software License Agreement window

3. Click **Yes** to accept the Software License Agreement.

Click **No** if you don't want to accept the Software License Agreement. This selection stops the install process.

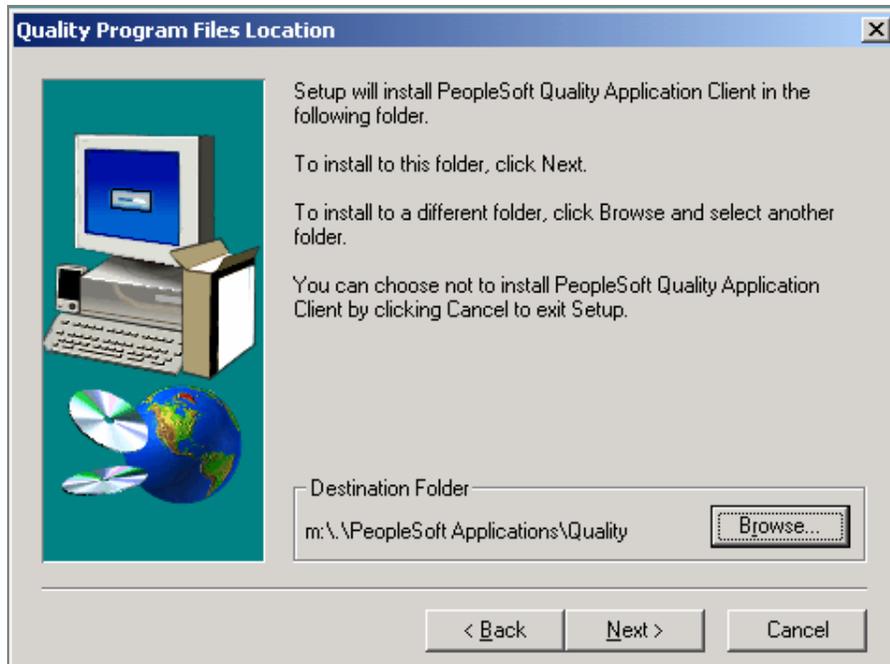


Setup Type window

4. Select the setup type of Network Client and then click **Next**.

Setup Types include the following:

- **Local:** Select to install the PeopleSoft Quality Server to your local hard drive or a network drive.
- **Network Client:** Select to update your local registry settings to point to the PeopleSoft Quality Server that has already been installed on a network drive in your environment.

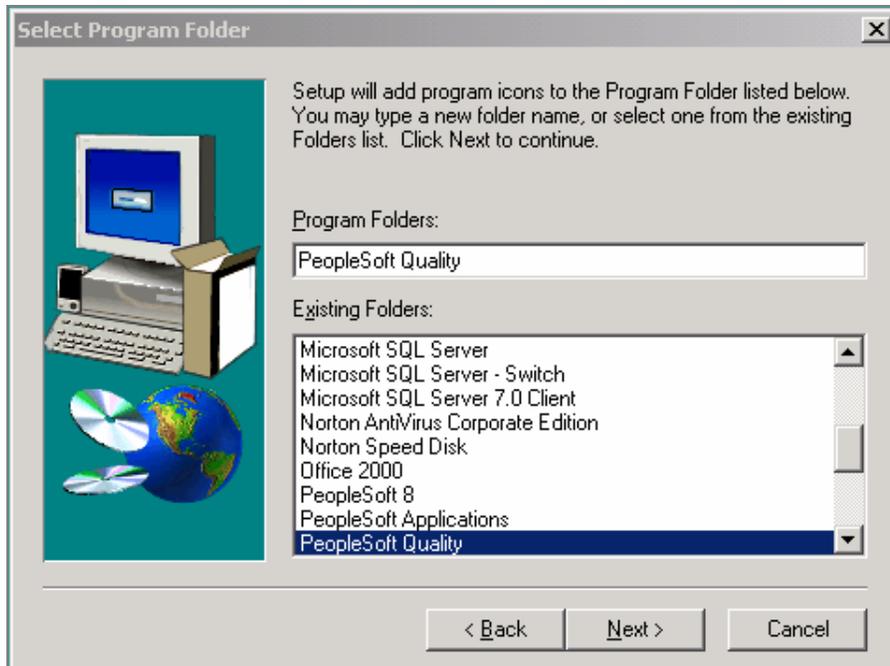


Quality Program Files Location window

5. In the Quality Program Files Location window, enter the Destination Folder and then click **Next**.

The setup program attempts to populate the **Destination Folder** location for you. Click **Browse** to select a different location.

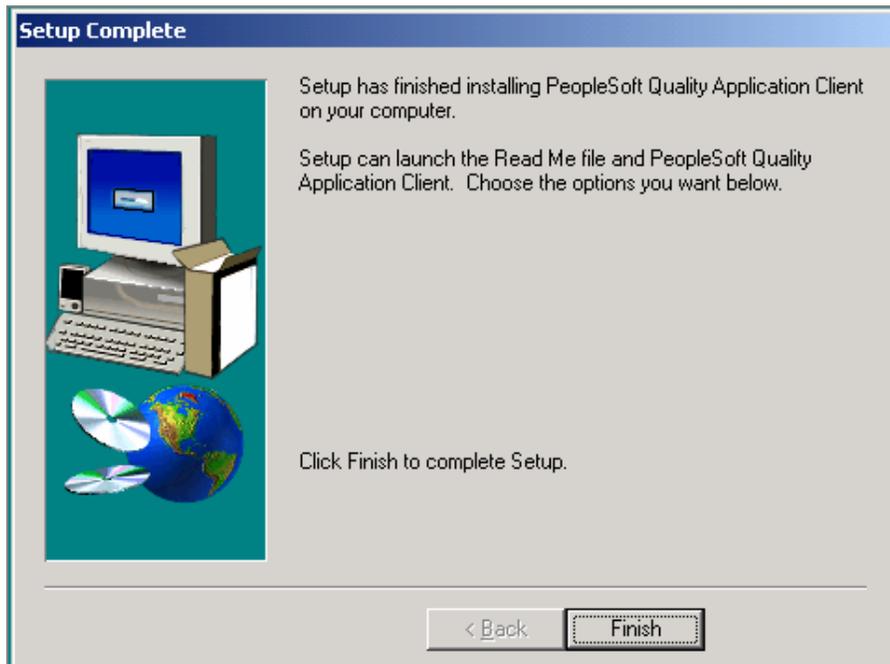
Note. We suggest that you use the system defaults for the **Destination Folder**. The install script for Setup Type (Network Client) has been designed to automatically look for this particular name (drive:\Program Files\PeopleSoft Applications\Quality) in its processing. If you change the location or name to something else, when you execute the other option, you'll have to remember where you loaded the PeopleSoft Quality files.



Select Program Folder window

6. The setup program populates the **Program Folders** name for you. You may enter a new program folder.

The setup program executes the PeopleSoft Quality Application Client install process. When the install process completes, the following window appears:



Setup Complete window

7. Click **Finish**.

Your registry entries have now been updated and are referencing a PeopleSoft Quality Application Client on a network drive.

Task 21-4: Verifying Installation of PeopleSoft Quality

To verify the Quality installation:

1. From the browser, log on to PIA. Then, go to the following menu item: Quality, Define Methods and Procedures, Quality Functions.
2. Search for the standard quality function *QUALITY*. The following page should display:

Define Quality Function

Quality Function: QUALITY **Date Modified:** 04/20/2000 12:43PM

Description: **Modified By:** PSOFT STANDARD

Graph Preference ID:

Data Persistence

Session Data Life Days: **Edit Data Limit Days:**

Note:

1 Control plans exist under this Quality Function. Adding/deleting hierarchy fields is not permitted. 1 Trace Sets exist under this Quality

Application Fields			Customize Find
*Field Use	*Field Name	Prompt Table or View	First 1-16 of 16 Last
Stream Hierarchy	Item ID	QS_MST_ITEM_VW	
Stream Hierarchy	Machine	EN_MACHINE_VW	
Stream Hierarchy	Step Id	<input type="text"/>	
Stream Hierarchy	Station	QS_STATIONS	
Stream Hierarchy	WC Code	EN_WORK_CENT_VW	
Traceability	Task Code	QS_EN_TASKS_VW	
Traceability	Tool Code	EN_TOOL_VW	
Traceability	Serial ID	QS_SERIAL_ID	
Traceability	Op Sequence	QS_OP_SEQ	
Traceability	Operator ID	<input type="text"/>	
Traceability	Production Area	QS_PRDN_AREA_VW	
Traceability	Prdn Due Shift	MG_SHIFTS_VW	

Verify that PeopleSoft Quality database objects have been installed and are accessible

CONFIGURING EMAIL URLS IN SCM APPLICATIONS

Some products in Supply Chain Management can send out email notifications containing web addresses (URLs) that enable your employees to link back to your website. In order for emails to contain the correct embedded URLs to PeopleSoft Inventory, Purchasing, and eProcurement pages, you will need to edit the URL discussed in this section.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 22-1	Configuring eMail URLs for Item Loader Exceptions
Task 22-2	Configuring eMail URLs for Supplier Facing Applications Used Within PeopleSoft eSupplier Connection, Collaborative Supply Management, Strategic Sourcing, and Services Procurement
Task 22-3	Configuring eMail URLs for eBill Payment

Task 22-1: Configuring eMail URLs for Item Loader Exceptions

You modify `SCM_SERVLET_INT` to point to an internal server used to access the Supply Chain Management database. This URL is used to create standard PeopleSoft Internet Architecture links for internal users such as employees to access pertinent components and pages.

To set up the URL:

1. Go to the PeopleTools URL Maintenance page (PeopleTools, Utilities, Administration, URLs).
2. Select the `SCM_SERVLET_INT` URL.

3. Modify the URL to point to an internal server to access the supply chain database.
4. Click **Save**.

URL Maintenance

URL Identifier: SCM_SERVLET_INT

***Description:**

***URL:**

Comments:
Example: http://<machine name>/psp/<web server domain name>/EMPLOYEE/ERP

[URL Maintenance Page](#)

Task 22-2: Configuring eMail URLs for Supplier Facing Applications Used Within PeopleSoft eSupplier Connection, Collaborative Supply Management, Strategic Sourcing, and Services Procurement

You need to modify the EMP_SERVLET and SUP_SERVLET to point to the correct servers used to access the Supply Chain Management database. These are needed when not using an Enterprise Portal as there is no other way to identify the different webservers used for the Employee or Supplier side.

To set up these URLs:

1. Go to the PeopleTools URL Maintenance page (PeopleTools, Utilities, Administration, URLs).
2. Select the *SUP_SERVLET*.
3. Modify the URL to point to an EXTERNAL server to access the supply chain database. (The server that the suppliers use to log onto the SUPPLIER registry).
4. Click **Save**.

URL Maintenance

URL Identifier: SUP_SERVLET

***Description:**

***URL:**

Comments:

[PeopleTools URL Management page](#)

5. Select the *EMP_SERVLET*.
6. Modify the URL to point to an INTERNAL server to access the supply chain database. (The server that the employees use to log onto the EMPLOYEE registry).
7. Click **Save**.

URL Maintenance

URL Identifier: EMP_SERVLET

***Description:**

***URL:**

Comments:

[PeopleTools URL Maintenance page](#)

Task 22-3: Configuring eMail URLs for eBill Payment

You need to modify the EB_SERVLET to point to the correct server used to access the Supply Chain Management database for the CUSTOMER registry. This is needed so that PeopleSoft Billing can generate the correct link to the eBill Payment components.

To set up the URL:

1. Go to the PeopleTools URL Maintenance page (PeopleTools, Utilities, Administration, URLs).

2. Select the *EB_SERVLET*.
3. Modify the URL to point to an EXTERNAL server to access the supply chain database. (The server that your customers use to log onto the CUSTOMER registry).
4. Click **Save**.

URL Maintenance

URL Identifier: EB_SERVLET

***Description:**

***URL:**

Comments:

[URL Maintenance Page](#)

SETTING UP PEOPLESOFT ENTERPRISE SUPPLIER CONTRACT MANAGEMENT 9.0

Note. Only perform this task if you use Supplier Contract Management. For complete installation of Supplier Contracts, refer to the Supplier Contract Management PeopleBook, Chapter 1, Setting Up PeopleSoft Supplier Contract Management.

In order to use Supplier Contract Management you must at a minimum setup a file server based FTP server (see section *Setting Up Supplier Contract Attachment FTP Servers and Directories*) and have Microsoft Word 2003 Professional installed on at least one client.

Further setup is detailed in the PeopleBooks for the following:

- Setup of a Microsoft Word template (see section *Defining Document Templates and Styles*)
- Optional setup for individual clients to allow certain users to lookup clauses and bind variables in the PeopleSoft database from within Word 2003 using Microsoft Research task pane functionality (See section *Setting Up Microsoft Word Components on Workstation*).
- Optional setup to allow users to do server side compares of Word documents, and optional dispatch of contracts to suppliers in a .doc format (versus the default .xml format). (See section *Defining Installation Options for Supplier Contract Management*).
- Optional installation setup for Verity (See section *Defining Installation Options for Supplier Contract Management*).
- Optional installation setup for workflow (See section *Defining Installation Options for Supplier Contract Management*).
- Optional installation setup for workflow (See section *Defining Installation Options for Supplier Contract Management*). Optional XML import Word Schema Setup for individual clients to allow

certain users to import clauses from existing Word documents (see section *Setting Up PeopleSoft Supplier Contract Management*).

- Optional installation setup for Syndication.

SETTING UP SCM PAGELETS

You can access pagelets within the PeopleSoft 9.0 Supply Chain Management application databases.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 24-1	Accessing Pagelets
Task 24-2	Enabling Pagelet Creation and Access with Portal Utilities

Task 24-1: Accessing Pagelets

Scripts must be applied to your database in order to allow access to the pagelet configuration homepage.

Note. The following must be completed for both the **System** and **Demo** databases *unless* otherwise indicated.

To add, remove, or change the layout of the homepage, the homepage personalization security access must be granted to all non-guest users. To update the homepage personalization permission list, use Data Mover to run the **PORTAL_HP_PERS.DMS** script. To add the Portal User role to the user IDs, use Data Mover to run the **PORTAL_ADD_ROLE.DMS** script. Both scripts are located in <PS_HOME>\scripts.

Note. The PAPP_USER role should be granted to all new User IDs for access to the Homepage personalization. After running this script, the role PAPP_USER should be manually removed from any GUEST User ID, since the GUEST user should not be personalizing the common homepage.

Task 24-2: Enabling Pagelet Creation and Access with Portal Utilities

Use Data Mover to run the **EOPP_PORTAL_PACK.DMS** script located in <PS_HOME>\scripts. This script enables creating and viewing pagelets using the Enterprise Components Portal Utilities.

Note. Only perform this task if you are licensed for the PeopleSoft Supply Chain Portal Pack or Enterprise Portal.

GRANTING ACCESS TO NAVIGATION PAGES IN SCM

In order to access the navigation pages, security to the Navigation Page IScripts must be granted to all users.

Task Overview

The following table summarizes the tasks in this chapter.

Task No.	Task Name
Task 25-1	Adding User Roles to All User IDs

Task 25-1: Adding User Roles to All User IDs

To add the EOPP_USER role to all users, use Data Mover to run the **EOPP_ADD_ROLE.DMS** script located in <PS_HOME>\scripts.

Note. When a new User ID is created, the EOPP_USER role should be added to the new User ID.

ACCESSING FINANCIALS, ESA, AND SCM APPLICATIONS IN THE 9.0 ENTERPRISE PORTAL

Note. Only perform this task if you use the PeopleSoft Enterprise Portal product and wish to access your application from within the Enterprise Portal database.

The installation phase of your PeopleSoft application should only entail setting up a single link to the PeopleSoft application content provider. To set up the single link and the single sign on, see the Customer Connection "Peoplesoft Enterprise Portal Solutions 9.0 installation" documentation. Chapter 3 discusses setting up single sign on to your application database. Chapter 4 discusses accessing the PeopleSoft content providers. Appendices H and I discuss additional product-specific steps you may need to perform for fully functional navigation within the Enterprise Portal database. The Customer Connection site is at <http://www4.peoplesoft.com/cc/>.