



PeopleSoft EnterpriseOne 8.11 SP1 Application Integrations with PeopleSoft Enterprise Applications PeopleBook

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About This PeopleBook Preface

PeopleBooks provide you with the information that you need to implement and use PeopleSoft applications.

This preface discusses:

- PeopleSoft application prerequisites.
- PeopleSoft application fundamentals.
- Documentation updates and printed documentation.
- Additional resources.
- Typographical conventions and visual cues.
- Comments and suggestions.
- Common elements in PeopleBooks.

Note. PeopleBooks document only page elements, such as fields and check boxes, that require additional explanation. If a page element is not documented with the process or task in which it is used, then either it requires no additional explanation or it is documented with common elements for the section, chapter, PeopleBook, or product line. Elements that are common to all PeopleSoft applications are defined in this preface.

PeopleSoft Application Prerequisites

To benefit fully from the information that is covered in these books, you should have a basic understanding of how to use PeopleSoft applications.

You might also want to complete at least one PeopleSoft introductory training course, if applicable.

You should be familiar with navigating the system and adding, updating, and deleting information by using PeopleSoft menus, and pages, forms, or windows. You should also be comfortable using the World Wide Web and the Microsoft Windows or Windows NT graphical user interface.

These books do not review navigation and other basics. They present the information that you need to use the system and implement your PeopleSoft applications most effectively.

PeopleSoft Application Fundamentals

Each application PeopleBook provides implementation and processing information for your PeopleSoft applications.

Note. Application fundamentals PeopleBooks are not applicable to the PeopleTools product.

For some applications, additional, essential information describing the setup and design of your system appears in a companion volume of documentation called the application fundamentals PeopleBook. Most PeopleSoft product lines have a version of the application fundamentals PeopleBook. The preface of each PeopleBook identifies the application fundamentals PeopleBooks that are associated with that PeopleBook.

The application fundamentals PeopleBook consists of important topics that apply to many or all PeopleSoft applications across one or more product lines. Whether you are implementing a single application, some combination of applications within the product line, or the entire product line, you should be familiar with the contents of the appropriate application fundamentals PeopleBooks. They provide the starting points for fundamental implementation tasks.

Documentation Updates and Printed Documentation

This section discusses how to:

- Obtain documentation updates.
- Order printed documentation.

Obtaining Documentation Updates

You can find updates and additional documentation for this release, as well as previous releases, on the PeopleSoft Customer Connection website. Through the Documentation section of PeopleSoft Customer Connection, you can download files to add to your PeopleBook Library. You'll find a variety of useful and timely materials, including updates to the full PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM.

Important! Before you upgrade, you must check PeopleSoft Customer Connection for updates to the upgrade instructions. PeopleSoft continually posts updates as the upgrade process is refined.

See Also

PeopleSoft Customer Connection, <https://www.peoplesoft.com/corp/en/login.jsp>

Ordering Printed Documentation

You can order printed, bound volumes of the complete PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM. PeopleSoft makes printed documentation available for each major release shortly after the software is shipped. Customers and partners can order printed PeopleSoft documentation by using any of these methods:

- Web
- Telephone
- Email

Web

From the Documentation section of the PeopleSoft Customer Connection website, access the PeopleBooks Press website under the Ordering PeopleBooks topic. The PeopleBooks Press website is a joint venture between PeopleSoft and MMA Partners, the book print vendor. Use a credit card, money order, cashier's check, or purchase order to place your order.

Telephone

Contact MMA Partners at 877 588 2525.

Email

Send email to MMA Partners at peoplebookspress@mmapartner.com.

See Also

PeopleSoft Customer Connection, <https://www.peoplesoft.com/corp/en/login.jsp>

Additional Resources

The following resources are located on the PeopleSoft Customer Connection website:

Resource	Navigation
Application maintenance information	Updates + Fixes
Business process diagrams	Support, Documentation, Business Process Maps
Interactive Services Repository	Interactive Services Repository
Hardware and software requirements	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Hardware and Software Requirements
Installation guides	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Installation Guides and Notes
Integration information	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation and Software, Pre-built Integrations for PeopleSoft Enterprise and PeopleSoft EnterpriseOne Applications
Minimum technical requirements (MTRs) (EnterpriseOne only)	Implement, Optimize + Upgrade, Implementation Guide, Supported Platforms
PeopleBook documentation updates	Support, Documentation, Documentation Updates
PeopleSoft support policy	Support, Support Policy
Prerelease notes	Support, Documentation, Documentation Updates, Category, Prerelease Notes
Product release roadmap	Support, Roadmaps + Schedules
Release notes	Support, Documentation, Documentation Updates, Category, Release Notes

Resource	Navigation
Release value proposition	Support, Documentation, Documentation Updates, Category, Release Value Proposition
Statement of direction	Support, Documentation, Documentation Updates, Category, Statement of Direction
Troubleshooting information	Support, Troubleshooting
Upgrade documentation	Support, Documentation, Upgrade Documentation and Scripts

Typographical Conventions and Visual Cues

This section discusses:

- Typographical conventions.
- Visual cues.
- Country, region, and industry identifiers.
- Currency codes.

Typographical Conventions

This table contains the typographical conventions that are used in PeopleBooks:

Typographical Convention or Visual Cue	Description
Bold	Indicates PeopleCode function names, business function names, event names, system function names, method names, language constructs, and PeopleCode reserved words that must be included literally in the function call.
<i>Italics</i>	Indicates field values, emphasis, and PeopleSoft or other book-length publication titles. In PeopleCode syntax, italic items are placeholders for arguments that your program must supply. We also use italics when we refer to words as words or letters as letters, as in the following: Enter the letter <i>O</i> .
KEY+KEY	Indicates a key combination action. For example, a plus sign (+) between keys means that you must hold down the first key while you press the second key. For ALT+W, hold down the ALT key while you press the W key.
Monospace font	Indicates a PeopleCode program or other code example.

Typographical Convention or Visual Cue	Description
“ ” (quotation marks)	Indicate chapter titles in cross-references and words that are used differently from their intended meanings.
. . . (ellipses)	Indicate that the preceding item or series can be repeated any number of times in PeopleCode syntax.
{ } (curly braces)	Indicate a choice between two options in PeopleCode syntax. Options are separated by a pipe ().
[] (square brackets)	Indicate optional items in PeopleCode syntax.
& (ampersand)	When placed before a parameter in PeopleCode syntax, an ampersand indicates that the parameter is an already instantiated object. Ampersands also precede all PeopleCode variables.

Visual Cues

PeopleBooks contain the following visual cues.

Notes

Notes indicate information that you should pay particular attention to as you work with the PeopleSoft system.

Note. Example of a note.

If the note is preceded by *Important!*, the note is crucial and includes information that concerns what you must do for the system to function properly.

Important! Example of an important note.

Warnings

Warnings indicate crucial configuration considerations. Pay close attention to warning messages.

Warning! Example of a warning.

Cross-References

PeopleBooks provide cross-references either under the heading “See Also” or on a separate line preceded by the word *See*. Cross-references lead to other documentation that is pertinent to the immediately preceding documentation.

Country, Region, and Industry Identifiers

Information that applies only to a specific country, region, or industry is preceded by a standard identifier in parentheses. This identifier typically appears at the beginning of a section heading, but it may also appear at the beginning of a note or other text.

Example of a country-specific heading: “(FRA) Hiring an Employee”

Example of a region-specific heading: “(Latin America) Setting Up Depreciation”

Country Identifiers

Countries are identified with the International Organization for Standardization (ISO) country code.

Region Identifiers

Regions are identified by the region name. The following region identifiers may appear in PeopleBooks:

- Asia Pacific
- Europe
- Latin America
- North America

Industry Identifiers

Industries are identified by the industry name or by an abbreviation for that industry. The following industry identifiers may appear in PeopleBooks:

- USF (U.S. Federal)
- E&G (Education and Government)

Currency Codes

Monetary amounts are identified by the ISO currency code.

Comments and Suggestions

Your comments are important to us. We encourage you to tell us what you like, or what you would like to see changed about PeopleBooks and other PeopleSoft reference and training materials. Please send your suggestions to:

PeopleSoft Product Documentation Manager PeopleSoft, Inc. 4460 Hacienda Drive Pleasanton, CA 94588

Or send email comments to doc@peoplesoft.com.

While we cannot guarantee to answer every email message, we will pay careful attention to your comments and suggestions.

Common Elements Used in PeopleBooks

Address Book Number	Enter a unique number that identifies the master record for the entity. An address book number can be the identifier for a customer, supplier, company, employee, applicant, participant, tenant, location, and so on. Depending on the application, the field on the form might refer to the address book number as the customer number, supplier number, or company number, employee or applicant id, participant number, and so on.
As If Currency Code	Enter the three-character code to specify the currency that you want to use to view transaction amounts. This code allows you to view the transaction amounts as if they were entered in the specified currency rather than the foreign or domestic currency that was used when the transaction was originally entered.
Batch Number	Displays a number that identifies a group of transactions to be processed by the system. On entry forms, you can assign the batch number or the system can assign it through the Next Numbers program (P0002).
Batch Date	Enter the date in which a batch is created. If you leave this field blank, the system supplies the system date as the batch date.
Batch Status	Displays a code from user-defined code (UDC) table 98/IC that indicates the posting status of a batch. Values are: <i>Blank:</i> Batch is unposted and pending approval. <i>A:</i> The batch is approved for posting, has no errors and is in balance, but it has not yet been posted. <i>D:</i> The batch posted successfully. <i>E:</i> The batch is in error. You must correct the batch before it can post. <i>P:</i> The system is in the process of posting the batch. The batch is unavailable until the posting process is complete. If errors occur during the post, the batch status changes to E. <i>U:</i> The batch is temporarily unavailable because someone is working with it, or the batch appears to be in use because a power failure occurred while the batch was open.
Branch/Plant	Enter a code that identifies a separate entity as a warehouse location, job, project, work center, branch, or plant in which distribution and manufacturing activities occur. In some systems, this is called a business unit.
Business Unit	Enter the alphanumeric code that identifies a separate entity within a business for which you want to track costs. In some systems, this is called a branch/plant.
Category Code	Enter the code that represents a specific category code. Category codes are user-defined codes that you customize to handle the tracking and reporting requirements of your organization.
Company	Enter a code that identifies a specific organization, fund, or other reporting entity. The company code must already exist in the F0010 table and must identify a reporting entity that has a complete balance sheet.

Currency Code	Enter the three-character code that represents the currency of the transaction. PeopleSoft EnterpriseOne provides currency codes that are recognized by the International Organization for Standardization (ISO). The system stores currency codes in the F0013 table.
Document Company	Enter the company number associated with the document. This number, used in conjunction with the document number, document type, and general ledger date, uniquely identifies an original document. If you assign next numbers by company and fiscal year, the system uses the document company to retrieve the correct next number for that company. If two or more original documents have the same document number and document type, you can use the document company to display the document that you want.
Document Number	Displays a number that identifies the original document, which can be a voucher, invoice, journal entry, or time sheet, and so on. On entry forms, you can assign the original document number or the system can assign it through the Next Numbers program.
Document Type	Enter the two-character UDC, from UDC table 00/DT, that identifies the origin and purpose of the transaction, such as a voucher, invoice, journal entry, or time sheet. PeopleSoft EnterpriseOne reserves these prefixes for the document types indicated: <i>P</i>: Accounts payable documents. <i>R</i>: Accounts receivable documents. <i>T</i>: Time and pay documents. <i>I</i>: Inventory documents. <i>O</i>: Purchase order documents. <i>S</i>: Sales order documents.
Effective Date	Enter the date on which an address, item, transaction, or record becomes active. The meaning of this field differs, depending on the program. For example, the effective date can represent any of these dates: • The date on which a change of address becomes effective. • The date on which a lease becomes effective. • The date on which a price becomes effective. • The date on which the currency exchange rate becomes effective. • The date on which a tax rate becomes effective.
Fiscal Period and Fiscal Year	Enter a number that identifies the general ledger period and year. For many programs, you can leave these fields blank to use the current fiscal period and year defined in the Company Names & Number program (P0010).
G/L Date (general ledger date)	Enter the date that identifies the financial period to which a transaction will be posted. The system compares the date that you enter on the transaction to the fiscal date pattern assigned to the company to retrieve the appropriate fiscal period number and year, as well as to perform date validations.

PeopleSoft EnterpriseOne Applications Integrations with PeopleSoft Enterprise Applications Preface

This preface discusses:

- PeopleSoft products
- PeopleSoft application fundamentals

PeopleSoft Products

This PeopleBook refers to these PeopleSoft products:

- PeopleSoft EnterpriseOne Accounts Receivable
- PeopleSoft EnterpriseOne Address Book
- PeopleSoft EnterpriseOne General Accounting
- PeopleSoft EnterpriseOne Human Resources
- PeopleSoft EnterpriseOne Inventory Management
- PeopleSoft EnterpriseOne Procurement and Subcontractor Management
- PeopleSoft EnterpriseOne Sales Order Management
- PeopleSoft EnterpriseOne WSG Developer
- PeopleSoft EnterpriseOne WSG Integration Server
- PeopleSoft Enterprise eProcurement
- PeopleSoft Enterprise General Ledger
- PeopleSoft Enterprise Global Payroll
- PeopleSoft Enterprise Human Resources
- PeopleSoft Enterprise Internal Controls Enforcer
- PeopleSoft Enterprise Integration Broker
- PeopleSoft Enterprise Integration Points
- PeopleSoft Enterprise Inventory
- PeopleSoft Enterprise Learning Management
- PeopleSoft Enterprise Marketing
- PeopleSoft Enterprise Order Capture
- PeopleSoft Enterprise Payroll for North America
- PeopleSoft Enterprise Strategic Sourcing

PeopleSoft Application Fundamentals

Additional, essential information describing the setup and design of your system appears in companion volumes of documentation called *PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 SP1 PeopleBook*, *PeopleSoft EnterpriseOne Human Capital Management Application Fundamentals 8.11 SP1 PeopleBook*, and *PeopleSoft EnterpriseOne Customer Relationship Management Application Fundamentals 8.11 SP1 PeopleBook*.

See Also

PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 SP1 PeopleBook, “PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals Preface”

PeopleSoft EnterpriseOne Human Capital Management Application Fundamentals 8.11 SP1 PeopleBook, “PeopleSoft EnterpriseOne HCM Fundamentals Preface”

PeopleSoft EnterpriseOne Customer Relationship Management Sales Applications 8.11 SP1 PeopleBook, “PeopleSoft EnterpriseOne CRM Application Fundamentals Preface”

PART 1

Integrating PeopleSoft EnterpriseOne Applications with PeopleSoft Enterprise Applications

Chapter 1

Getting Started with PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications

Chapter 2

Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications

Chapter 3

Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems

Chapter 4

Setting Up Integrations in the Integration Server

CHAPTER 1

Getting Started with PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications

This chapter discusses:

- PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications overview.
- PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications implementation.

PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications Overview

This PeopleBook documents these integrations between PeopleSoft EnterpriseOne applications and PeopleSoft Enterprise applications:

- PeopleSoft EnterpriseOne General Accounting with PeopleSoft Enterprise General Ledger.
- PeopleSoft Enterprise HCM with PeopleSoft EnterpriseOne Address Book.
- PeopleSoft Enterprise payroll applications with PeopleSoft EnterpriseOne General Accounting.
- PeopleSoft Enterprise CRM Order Management with PeopleSoft EnterpriseOne.
- PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne.
- PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement.
- PeopleSoft Enterprise eProcurement with PeopleSoft EnterpriseOne Procurement.
- PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne.
- PeopleSoft Enterprise Internal Controls Enforcer with PeopleSoft EnterpriseOne.
- Shared Services Item Master.

These integrations enable you to use PeopleSoft EnterpriseOne applications in concert with PeopleSoft Enterprise applications.

PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications Implementation

This section provides an overview of the steps that are required to integrate PeopleSoft EnterpriseOne applications with PeopleSoft Enterprise applications.

In the planning phase of your implementation, take advantage of all PeopleSoft sources of information, including the installation guides and troubleshooting information. A complete list of these resources appears in the preface in the *About These PeopleBooks PeopleBook*, with information about where to find the most current version of each.

Implementation Steps

Implementing a particular PeopleSoft EnterpriseOne with PeopleSoft Enterprise integration must be preceded by setting up the corresponding PeopleSoft EnterpriseOne and PeopleSoft Enterprise systems.

The Getting Started chapter in the PeopleBook for each of these systems contains specific implementation information for that system.

See the setup chapter for your specific integration.

After you have set up the relevant PeopleSoft EnterpriseOne and PeopleSoft Enterprise systems for the integrations you are using, you must complete specific steps to set up the integration.

This table lists the general implementation steps for integrating PeopleSoft EnterpriseOne applications with PeopleSoft Enterprise applications. You must complete the steps listed here as well as any additional setup steps listed in the setup chapter for your specific integration.

Step	Reference
1. In the PeopleSoft Enterprise system, set up the local gateway, activate message nodes, set up node definitions, set up integration transactions, add channels to permissions, activate message channels, activate messages, and activate message subscriptions.	Chapter 3, "Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems," Setting Up the Integration Environment in the PeopleSoft Enterprise System, page 13
2. In the PeopleSoft EnterpriseOne system, set up Unicode flat file encoding, set up the export folder for table conversions, and activate realtime events.	Chapter 3, "Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems," Setting Up the Integration Environment in the PeopleSoft EnterpriseOne System, page 17
3. In the PeopleSoft EnterpriseOne Integration Server, set up integration options, set up cross references, set up dependent packages, set up for high-volume transactions (optional), set up the PeopleSoft EnterpriseOne Adapter.	Chapter 4, "Setting Up Integrations in the Integration Server," page 19

CHAPTER 2

Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications

This chapter discusses:

- Table conversion programs.
- Realtime events.
- Adapter services.
- Interface flows.
- Integration flows.
- Integration points.
- Batch loads.
- Incremental synchronizations.

See Also

The Interactive Services Repository:

http://www.oracle.com/applications/peoplesoft/dev_integration_portals/isr/index.html

Table Conversion Programs

A table conversion is a batch process that lets you manipulate data in tables at a high speed.

Many of the PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use table conversions to export data from PeopleSoft EnterpriseOne tables for initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. These table conversions select data from PeopleSoft EnterpriseOne tables based on data selection and processing options, and write the selected data to a flat file. The table conversions place the flat files in a folder called Export in the \B9\package name\ directory in which the PeopleSoft EnterpriseOne system was installed.

Note. The name of the subdirectory under the B9 directory is determined during installation and might not correspond to the name of the package that was installed.

You can copy or move the flat files from the Export directory to a different location before running the integration flows for the initial load of data. However, you must specify the location of the flat files in the integration options.

Note. If you are running the Integration Server on a UNIX server, the flat files generated by the table conversion programs must be stored on the same server as the Integration Server to enable the integration flows to locate the files. The location of the files must be a relative path of the path specified in the integration options using the UNIX file separator (/).

Some firewalls and network settings can interfere with the retrieval of the flat files from the designated network folder if on a different domain. If this problem occurs, copy the flat files to a share drive on the same network domain as the Integration Server.

You run table conversion programs from the Batch Versions program (P98305) in much the same way you run other batch programs.

See PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: Development Tools: Tables and Business Views, "Converting Tables," Running Table Conversions.

For all of the table conversion programs used in these integrations, you may want to select the Clear Output Tables option. If this option is selected when you run any a table conversion program, any existing flat file in the target location is overwritten. If this option is not selected, data produced by subsequent running of the table conversion is appended to any existing flat file in the target location.

Realtime Events

A realtime event (RTE) is notification to an external system that a business transaction has occurred in the PeopleSoft EnterpriseOne system. External systems subscribe to the PeopleSoft EnterpriseOne system to receive notification when a specific transaction occurs.

Many of the PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use RTEs to export data from PeopleSoft EnterpriseOne tables for the incremental synchronization of data that has already been transferred during the initial batch loads. Some integrations also use RTEs for passing transactional data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

For these integrations, the Integration Server subscribes to the PeopleSoft EnterpriseOne system to receive the RTE notifications. The Integration Server then transforms the data and passes it to the PeopleSoft Enterprise system.

Adapter Services

Adapter services perform a specific operation on a resource. Adapter services exist within the context of an adapter and run on the WSG Integration Server

The PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use adapter services during the transfer of data out of the PeopleSoft EnterpriseOne system for incremental synchronizations of data and for the transfer of transactional data. The adapter service retrieves the RTE data and creates a published interface document (PID), which contains the data as it is transferred to an integration flow, and which is retrieved by an integration flow. Adapter services are also used for transactional and query processing to expose business functions and database tables in the PeopleSoft EnterpriseOne system.

See Also

PeopleSoft EnterpriseOne Tools Web Services Gateway 8.95 PeopleBook: PeopleSoft EnterpriseOne Adapter Programmer's Guide

Interface Flows

Interface flows run on the WSG Integration Server and are used to transfer data to the PeopleSoft EnterpriseOne system.

The PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use interface flows during the transfer of data from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system for some incremental synchronizations of data and for the transfer of transactional data.

Interface flows use PIDs to transfer data between the PeopleSoft EnterpriseOne system and integration flows. For the transfer of data *into* the PeopleSoft EnterpriseOne system, PIDs are generated by an integration flow and contain the data as it is transferred to an interface flow.

Integration Flows

Integration flows describe the interaction between integration tasks and tie the integration logic together. Integration flows run on the WSG Integration Server.

The PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use integration flow for all point-to-point integrations, including initial batch loads of data, incremental synchronizations of data, and the transfer of transactional data. The mapping and transformation of data between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system is performed by the integration flows.

During the transfer of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, the integration flows retrieve either the flat files created by the table conversions (for batch loads) or the PIDs created by adapter services (for incremental synchronizations and transactions). The flows then transform the data, and create XML messages, which are received in the PeopleSoft Enterprise system by integration points (IPs).

During the transfer of data from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system, the integration flows receive XML messages from PeopleSoft Enterprise IPs, transform the data, and create PIDs, which are passed to the PeopleSoft EnterpriseOne system by interface flows.

Integration Points

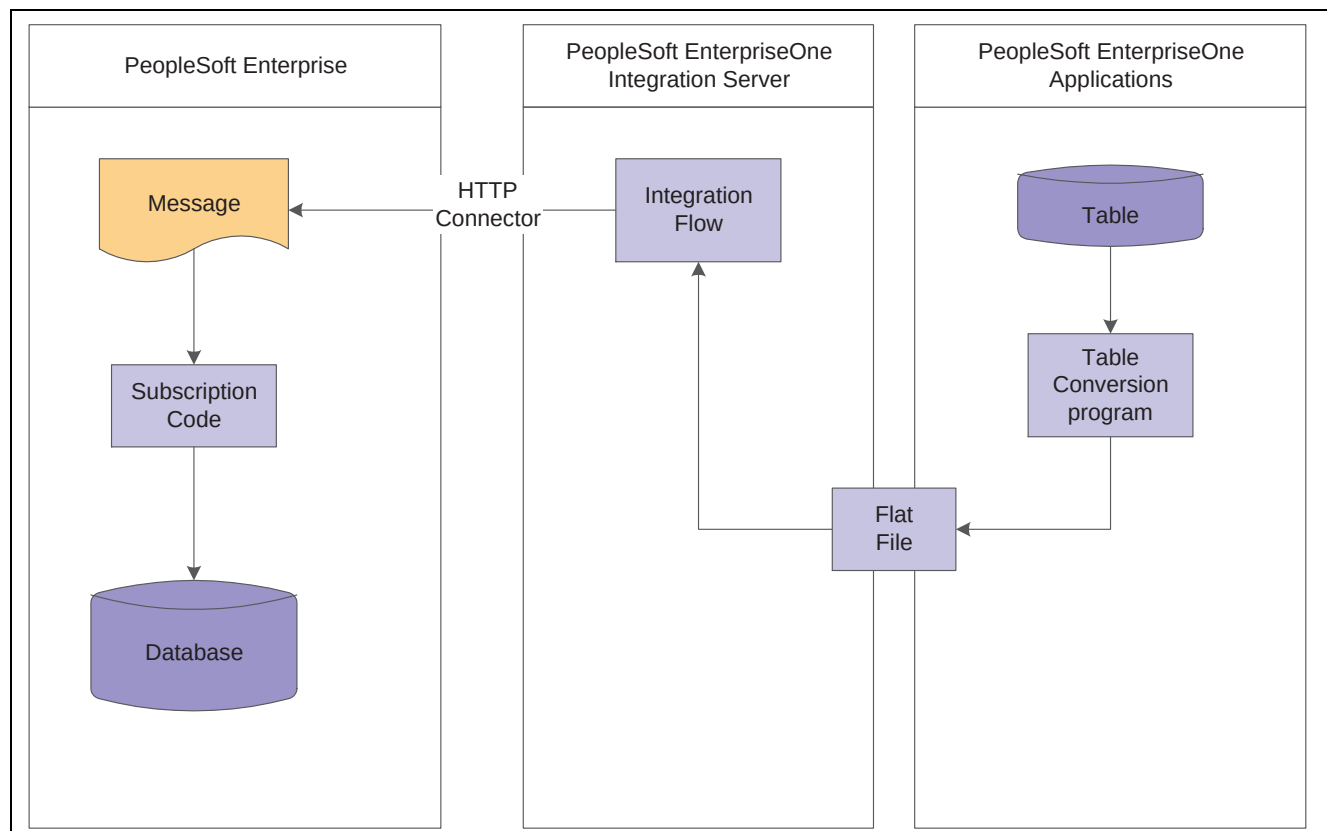
PeopleSoft Enterprise integration points are web service connections that enable PeopleSoft Enterprise applications to work with third-party systems or software and with other PeopleSoft applications.

The PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use integration points to send data out of the PeopleSoft Enterprise system and to receive data in the PeopleSoft Enterprise system. During the transfer of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, integration flows create XML messages, which are received in the PeopleSoft Enterprise system by integration points. During the transfer of data from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system, integration points send messages that contain data from the PeopleSoft Enterprise system. The integration flows receive these messages.

Batch Loads

Batch loads are used to load master data from one system to another and done as a prerequisite to processing integrated transactions. For most of the integrations between PeopleSoft EnterpriseOne applications and PeopleSoft Enterprise applications, master data is loaded from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

This diagram illustrates the processes of loading master data from PeopleSoft EnterpriseOne applications to the PeopleSoft Enterprise system by means of batch loads:



Batch Loads diagram

To perform an initial data load:

1. Run a table conversion program in the PeopleSoft EnterpriseOne system, which extracts data from the PeopleSoft EnterpriseOne database and writes it to a flat file.

2. Run a batch integration in the Integration Server, which retrieves the flat file, transforms it, and creates one or more messages that are then retrieved by an IP, which writes the data to the PeopleSoft Enterprise database.

The Integration Server Dispatcher picks up the XML message and sends it to the PeopleSoft Enterprise system using HTTP.

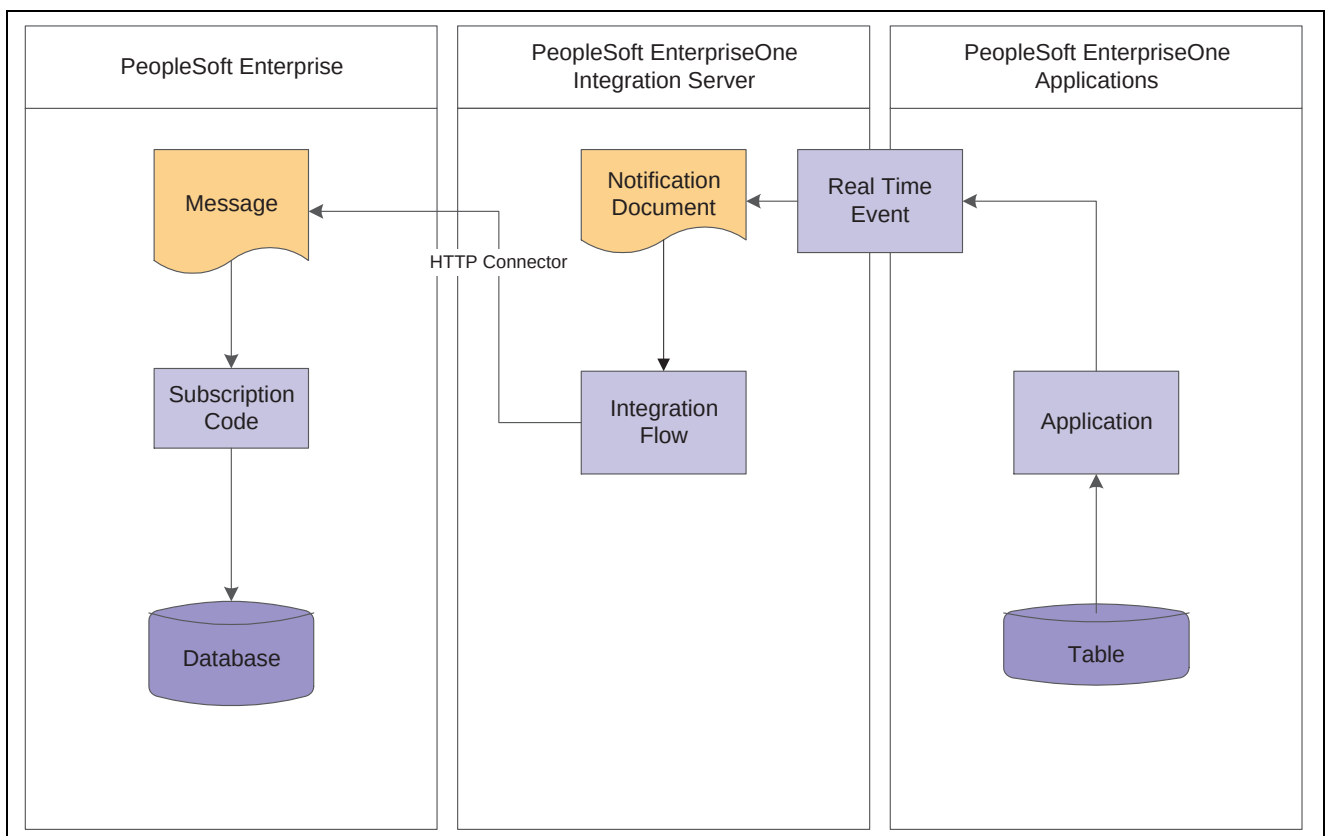
3. (Optional). Run any additional required batch programs in the PeopleSoft Enterprise system to complete the data load process, such as the item loader or Bill of Materials (BOM) loader.

Note. If you are processing a large number of records, you should consider subdividing the records by using data selection and running the table conversion and batch integration multiple times to improve performance.

Incremental Synchronizations

Incremental synchronizations are used to keep master data that is stored in both the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system in sync after the initial batch load of master data. For most of the integrations between PeopleSoft EnterpriseOne applications and PeopleSoft Enterprise applications, incremental synchronizations transfer data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

This diagram illustrates the incremental synchronization of master data from PeopleSoft EnterpriseOne applications to the PeopleSoft Enterprise system:



Incremental Synchronizations diagram

The incremental sync integration points run automatically. They are triggered by a Realtime Event (RTE) from PeopleSoft EnterpriseOne applications. The RTE from the PeopleSoft EnterpriseOne system is triggered when an add, change, or delete action is performed on one or more tables by a Master Business Function (MBF), an interactive application, a Universal Batch Engine (UBE) or through another function. The RTE triggers an adapter service, which publishes a PID. An integration flow receives the PID, and transforms the PeopleSoft EnterpriseOne message to a PeopleSoft EnterpriseOne XML message. The XML message is retrieved by an integration point, which writes the data to the PeopleSoft Enterprise database.

CHAPTER 3

Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems

This chapter provides overviews of installation and configuration steps and the integration architecture and discusses how to:

- Set up the integration environment in the PeopleSoft Enterprise system.
- Set up the integration environment in the PeopleSoft EnterpriseOne system.

Understanding Installation and Configuration Steps

This document does not describe in detail how to install and configure the integration. You should have installed the objects associated with the integration prior to using this document. However, this section provides an overview of the general steps involved for installing an integration and gives recommendations for improving the system performance. To review information about installation and configuration, review the installation and configuration steps.

Use this table to guide you through the installation and configuration process for PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications. To ensure proper integration, you must perform the steps in the order listed.

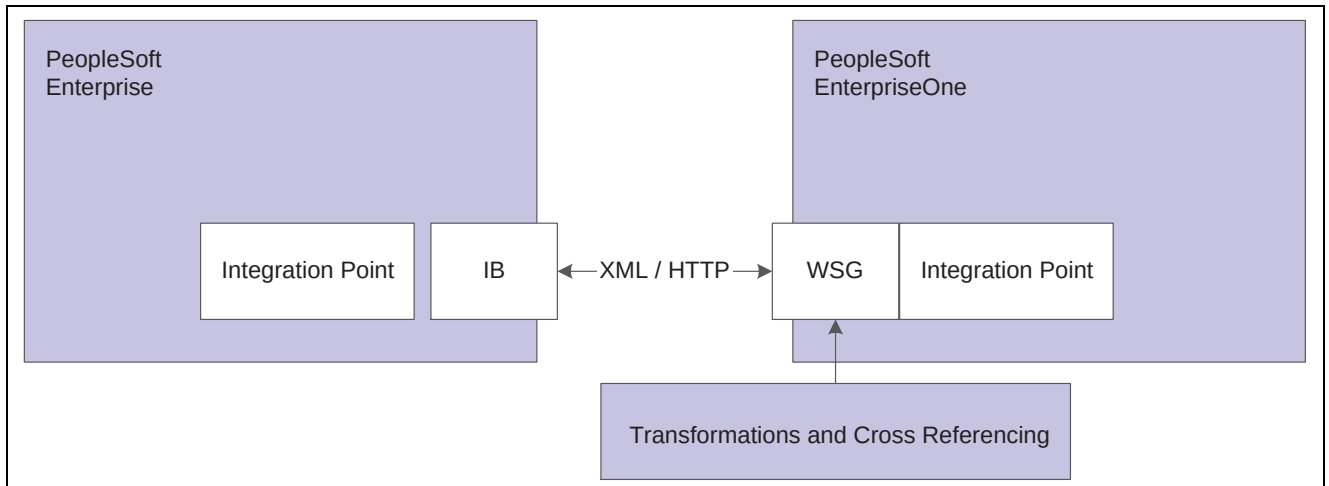
Note. References to the PeopleSoft Enterprise system in this table can refer to either PeopleSoft Enterprise 8.8 or 8.9. References to the PeopleSoft EnterpriseOne system refer to PeopleSoft EnterpriseOne 8.11. Refer to the Minimum Technical Requirements (MTRs) for your integration to determine the correct versions.

Step	Instruction	Notes
1	Verify that you meet the minimum technical requirements to implement the PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications.	See Minimum Technical Requirements (MTR) on the Customer Connect Integration Site. Log on to Customer Connection, and select Support, Documentation, Documentation Updates, PeopleSoft Enterprise and PeopleSoft EnterpriseOne Integration Information.

Step	Instruction	Notes
2	Install and configure the PeopleSoft EnterpriseOne system. Apply the updates, service packs, or Electronic Software Updates (ESUs) specified in the MTR.	
3	Install and configure the PeopleSoft Enterprise system. Apply any maintenance pack and any ICEs specified in the MTR.	
4	Install and configure PeopleSoft EnterpriseOne WSG Foundation 8.95	
5	Install and configure the PeopleSoft EnterpriseOne adapter.	
6	Install and configure JDBC adapters.	This step is required for ELM, HCM, SRM, and CRM integrations and for cross-referencing data.
7	Install and configure PeopleSoft Enterprise Integration Broker nodes and channels.	
8	Install PeopleSoft EnterpriseOne interface flows and Published Interface Documents (PIDs). Apply any downloads specified in the MTR.	This step is required only for integrated solutions that support realtime updates.
9	Install and import services to the Integration Server.	See Minimum Technical Requirements
10	Set up prerequisite data, activate realtime events, configure integration options, and run initial data loads.	Individual users must be subscribed to appropriate realtime events.

Understanding the Integration Architecture

This diagram illustrates the high level architecture for integration between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:



Integration Architecture diagram

The PeopleSoft Enterprise system uses integration points and Integration Broker (IB). The PeopleSoft EnterpriseOne system uses WSG Integration Server (IS), which includes z-file interfaces, interface flows, and other PeopleSoft EnterpriseOne integration points.

Special services have been developed using WSG Integration Server technology that map, transform, and cross-reference data as it flows between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system. These services are written using the WSG Developer Tool.

For a detailed insight into these technologies, refer to the relevant technical PeopleBooks.

Setting Up the Integration Environment in the PeopleSoft Enterprise System

This section lists a prerequisite and discusses how to:

- Set up the local gateway.
- Activate message channels.
- Activate messages.
- Activate message nodes.
- Set up node definitions.
- Set up integration transactions.
- Add channels to permissions.
- Activate message subscriptions.

Note. The tasks listed here refer to PeopleTools 8.45 and represent minimum guidelines for setting PeopleSoft Enterprise integrations. Please refer to the PeopleBooks for the PeopleSoft Enterprise products that you are integrating for complete information about setting up these products for integrations. Refer also to the setup chapter for your integration in this PeopleBook for additional setup steps for your integration.

See Also

PeopleSoft Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, "Managing Integration Gateways," Administering Integration Gateways

PeopleSoft Enterprise Components for PeopleSoft Enterprise Financial Management Solutions, Enterprise Service Automation, Asset Lifecycle Management, and Supply Chain Management 8.9 PeopleBook, Enterprise Integration, "Activating Messaging Integration Points"

Prerequisite

Configure the application server for your database to be with Pub/Sub Servers active.

Pages Used to Set Up the Integration Environment

Access these pages in the appropriate PeopleSoft Enterprise database for the integration you are using.

Page Name	Object Name	Navigation	Usage
Gateways	IB_GATEWAY	PeopleTools, Integration Broker, Configuration, Gateways	Verify the setup of the local gateway.
Node Definitions	IB_NODE	PeopleTools, Integration Broker, Integration Setup, Node Definitions	Set up internal representation of the system with which to exchange messages.
Connectors	IB_NODECON	PeopleTools, Integration Broker, Integration Setup, Node Definitions, Connectors	Verify connector properties and provide a URL that points to the EnterpriseOne Integration Server.
Transactions	IB_NODETRXLIST	PeopleTools, Integration Broker, Integration Setup, Node Definitions, Transactions	Verify activation of the transactions used in this integration.
Permission Lists	ACL_MESSAGE_MONITOR	PeopleTools, Security, Permissions & Roles, Permission Lists	Set up channel permissions to send and receive messages in the PeopleSoft Enterprise system.
Channel Status	AMM_CHNL_STATUS	PeopleTools, Integration Broker, Monitor Integrations, Monitor Message, Channel Status	Verify the status of message channels.

Setting Up the Local Gateway

Access the Gateways page.

To set up the local gateway:

1. Search for the gateway ID for which you have selected the Local Gateway check box.
2. Specify the gateway URL as `http://<web server name>:<port>/PSIGW/PeopleSoftListeningConnector`
For example:
`http://wsg27:81/PSIGW/PeopleSoftListeningConnector`
3. Click Save to save the URL first.
4. Click Load to load the connectors, and then click Save.

Activating Message Channels

To activate message channels:

1. Access Application Designer for the appropriate PeopleSoft Enterprise database.
2. For each message channel listed:
 - a. Select File, Open, Message Channel to open the message channel.
 - b. Access the properties for the message channel object.
 - c. Ensure that you have selected the Run option in the Message Channel Status box on the Use tab, and then click OK.
 - d. Save the message channel.

Note. The setup chapter for each integration in this PeopleBook contains a list of required message channels for that integration.

Activating Messages

To activate messages:

1. Access Application Designer for the appropriate PeopleSoft Enterprise database.
2. For each message listed:
 - a. Select File, Open, Message to open the message.
 - b. Access the properties for the message object.
 - c. Ensure that you have selected the Active option in the Status box on the Use tab, and then click OK.
 - d. Save the message.

Note. The setup chapter for each integration in this PeopleBook contains a list of required messages for that integration.

Activating Message Nodes

The system delivers message nodes as inactive. Ensure that you have activated the PSFT_E1 node or the node that you have set up to represent the PeopleSoft EnterpriseOne system. If you have multiple PeopleSoft EnterpriseOne systems, you need to complete these steps for each PeopleSoft EnterpriseOne node that you use.

Access the Node Definitions page.

To activate message nodes:

1. Enter the appropriate node name, and click Search.

2. Ensure that you have selected the Active Node check box.
3. Save the node.

Note. Some integrations require additional nodes. For those integrations, the additional nodes are listed in the setup chapter for that integration in this PeopleBook.

Setting Up Node Definitions

Access the Connectors page.

The screenshot shows the 'Connectors' tab in the PeopleSoft interface. The 'Node Name' is 'PSFT_E1' and there is a 'Ping Node' button. Under 'Details', the 'Gateway ID' is 'LOCAL' and the 'Connector ID' is 'HTTPTARGET'. The 'Properties' section contains a table with the following data:

	*Property ID	*Property Name	Required	Value
1	HEADER	Content-Type	☐	text/xml
2	HEADER	sendUncompressed	☒	Y
3	HTTPPROPERTY	Method	☒	POST
4	PRIMARYURL	URL	☒	http://denmlps7:7777/invoke/PSFT_I

Below the table is a 'Password Encryption Utility' button.

Connectors page

Select *HTTPTARGET* as the connector ID.

Identify the properties and provide a designated URL for the PSFT_E1 node or the node that you have set up to represent the PeopleSoft EnterpriseOne system. If you have multiple PeopleSoft EnterpriseOne systems, you need to complete these steps for each PeopleSoft EnterpriseOne node that you use.

For the PRIMARYURL property, enter the URL of the Integration Server in the PRIMARYURL Value field.

The URL points to PeopleSoft EnterpriseOne Integration Server and should have the format:

```
http://<WSG IS MachineName>:<IS port>/invoke/PSFT_Dispatcher.Inbound:
InboundServiceDispatcher
```

Note. You must register each node in the properties file for the gateway. Search for the string ## JOLT connect string settings for Application Server(s) with known NODENAMES and follow the instructions there.

See PeopleSoft Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, “Managing Integration Gateways,” Using the integrationGateway.properties File.

See PeopleSoft Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, “Appendix: Using the Integration Broker Connector SDK,” Developing Connectors, Developing Listening Connector Classes

Setting Up Integration Transactions

You must activate nodes and their associated transactions for the integrations you are using.

Access the Transactions page.

To activate node transactions:

1. Click the Edit link.
2. Set the Status value to Active on the Transaction Detail tab, and click Save.
3. Click the Return to Transaction List link.

Note. The setup chapter for each integration in this PeopleBook contains a list of required transactions for that integration.

Adding Channels to Permissions

To send and receive messages in the PeopleSoft Enterprise system, you must set the channel permissions.

Access the Permission Lists page.

To add channels to a permission list:

1. Select the permission list for a user ID that has access to the Message Monitor.
2. Select the Message Monitor tab, and insert a row for the required channel.
3. Set the access for the row, and then click Save.

Note. The setup chapter for each integration in this PeopleBook contains a list of required channel permissions for that integration.

Activating Message Subscriptions

To activate message subscriptions:

1. Access Application Designer for the appropriate PeopleSoft Enterprise database.
2. For each message listed, open the message.
3. For each message subscription listed:
 - a. Right-click the message subscription and select Message Subscription Properties.
 - b. Ensure that you have selected the Active option in the Status box, and then click OK.
 - c. Save the message.

Note. The setup chapter for each integration in this PeopleBook contains a list of required message subscriptions for that integration.

Setting Up the Integration Environment in the PeopleSoft EnterpriseOne System

This section discusses how to:

- Set up Unicode flat file encoding.

- Set up the export folder for table conversions.
- Activate realtime events.

See Also

PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: System Administration, "Working with Flat File Encoding"

Setting Up Unicode Flat File Encoding

The batch integration flows support UTF-8 encoding. Use the UTF-8 encoding for generating flat files in PeopleSoft EnterpriseOne. If the default is not set to UTF-8, make sure that the user who generates the flat files has encoding set to UTF-8. Also, make sure that the correct environment is selected.

Use the Unicode Flat File Encoding Configuration program (P93081) to specify the encoding style for PeopleSoft EnterpriseOne. The Unicode Flat File Encoding Configuration program enables you to specify a default encoding that applies to all users (*PUBLIC) and all environments (*ALL). You can overwrite the encoding style at the user level for a particular environment.

Setting Up the Export Folder for Table Conversions

Verify that a folder called Export exists in the \B9\package name\ directory in which PeopleSoft EnterpriseOne was installed.

Note. If the Integration Server resides on a different machine than the Export folder, you must set up the Export folder as a shared folder so that the Integration Server can access the flat file.

Activating Realtime Events

You must activate the realtime events that are used by the integrations that you are using. The section of this book for each integration lists the realtime events for that integration. You activate realtime events by changing the status of the event.

See PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: Interoperability, "Using Events – Guaranteed," Defining Events.

CHAPTER 4

Setting Up Integrations in the Integration Server

This chapter provides overviews of the Integration Server, integration options, and cross references, and discusses how to:

- Set up dependent packages.
- Set up the PeopleSoft EnterpriseOne Adapter.
- Set up integration options and cross references.
- Set up for high-volume transactions.

Understanding the Integration Server

The Integration Server is the primary engine for the carrying out of integration logic. It is the connection point between PeopleSoft Enterprise and the PeopleSoft EnterpriseOne system.

The Integration Server hosts packages that contain flow services (method-like units that operate on documents) and related files, which retrieve data from one system (PeopleSoft Enterprise or PeopleSoft EnterpriseOne), transform the data as necessary, and pass the data to another system.

Understanding Integration Options

Integration options enable you to customize values that are used by the integration flows and interface flows.

The PeopleSoft EnterpriseOne WSG system supplies default soft-coded values for some integration options. You can modify the values for the integration options if the default values are not appropriate for the environment. It is important that integration options are set up with appropriate values in order for the integration to function correctly in the environment.

You set up integration options using the Configuration Editor tool that is included with the Integration Server.

Understanding Cross-References

Many of the PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications use cross references. You set up cross references in the PeopleSoft EnterpriseOne WSG cross-reference database. These integrations use two different types of cross references: key and code.

Key cross references enable the system to reconcile the values used in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system and to keep a record of the values that have been integrated. Some key cross references are created automatically by the system while some must be set up manually.

Code cross references enable the system to reconcile the values used in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system. Code cross references must be set up manually.

You can set up and view cross references using the Configuration Editor tool that is included with the Integration Server.

Setting Up Dependent Packages

The Integration Server hosts dependent packages that must be enabled in order for integrations to function. For PeopleSoft EnterpriseOne application integrations with PeopleSoft Enterprise applications, enable these dependent packages:

Dependent Package	Usage
PSFT_Utills	Provides utility functions.
PSFT_E1_Adapter	Performs queries on the PeopleSoft EnterpriseOne database.
PSFT_Dispatcher	Communicates with the PeopleSoft Enterprise Integration Broker for transporting messages.
PSFT_XRefAndSoftCoding	Provides cross-referencing services.
PSFT_EnterpriseOne_AdapterServices	Communicates with the PSFT_E1_Adapter to perform queries on the PeopleSoft EnterpriseOne database, calls PeopleSoft EnterpriseOne functions, or reads PeopleSoft EnterpriseOne realtime events.
PSFT_JDBCAdapterServices	Provides database connectivity for cross-referencing services.

Setting Up the PeopleSoft EnterpriseOne Adapter

This section discusses how to:

- Enable the PeopleSoft EnterpriseOne Adapter.
- Enable the PeopleSoft EnterpriseOne Adapter Listener.
- Enable PeopleSoft EnterpriseOne Adapter listener notifications.

Pages Used to Set Up the PeopleSoft EnterpriseOne Adapter

Access these pages in the Integration Server application.

Page Name	Navigation	Usage
PeopleSoft EnterpriseOne Adapter Connections	Adapters, EnterpriseOne Adapter	Enable the PeopleSoft EnterpriseOne Adapter.
PeopleSoft EnterpriseOne Adapter Listener	Adapters, EnterpriseOne Adapter, Listeners	Enable the PeopleSoft EnterpriseOne Adapter Listener.
PeopleSoft EnterpriseOne Adapter Listener Notifications	Adapters, EnterpriseOne Adapter, Listener Notifications	Enable the PeopleSoft EnterpriseOne Adapter listener notifications.

Enabling the PeopleSoft EnterpriseOne Adapter

Access the PeopleSoft EnterpriseOne Adapter Connections page.

Adapters > EnterpriseOne Adapter > Connections						
• Configure New Connection						
Connections						
Connection Name	Package Name	Connection Type	Enabled	Edit	View	Copy Delete
connection:EnterpriseOne	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Connection	Yes			
connection:E1_GuaranteedEvents	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Guaranteed Event Connection	Yes			
connection:E1_ReliableEvents	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Reliable Event Connection	No			

PeopleSoft EnterpriseOne Adapter Connections page

If the PeopleSoft EnterpriseOne and the PeopleSoft EnterpriseOne Event connections are not already enabled, click No in the Enabled column for each connection to change it to Yes.

Enabling the PeopleSoft EnterpriseOne Adapter Listener

Access the PeopleSoft EnterpriseOne Adapter Listeners page.

Adapters > EnterpriseOne Adapter > Listeners		
• Configure New Listener		
EnterpriseOne Adapter Listeners		
Listener Name	Package Name	Enabled
EnterpriseOne_AdapterServices_Listener:EnterpriseOne_Listener	PSFT_EnterpriseOne_AdapterServices	No

PeopleSoft EnterpriseOne Adapter Listeners page

1. For each listener that needs to be enabled, click the word No in the Enabled column to change it to Yes.
2. If Pending enable appears, click Listeners under EnterpriseOne Adapter in the navigation pane.

Note. You will likely need to bounce (deactivate and reactivate) the listener after deactivating or activating a listener notification for the change to take effect.

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications

Access the PeopleSoft EnterpriseOne Adapter Listener Notifications page.

Adapters > EnterpriseOne Adapter > Listener Notifications	
EnterpriseOne Adapter Listener Notifications	
Notification Name	
AdapterServices.Notification.ServiceOrder:notifyLabor	
AdapterServices.Notification.LearningManagement:notifyCompetencyEvent	
AdapterServices.Notification.Procurement:notifyPurchaseOrderReceipt	
AdapterServices.Notification.LearningManagement:notifyCurrencyRateEvent	
AdapterServices.Notification.LearningManagement:notifyJobInBusinessUnitEvent	
AdapterServices.Notification.Financials:notifyDeduction	
AdapterServices.Notification.Sales:notifySalesOrderPromise	
AdapterServices.Notification.Procurement:notifyPurchaseOrderEvent	
AdapterServices.Notification.LearningManagement:notifyUserPreference	
AdapterServices.Notification.Financials:notifyPersonInformationEvent	
AdapterServices.Notification.AddressBook:notifyParentChild	
AdapterServices.Notification.AddressBook:notifyShipToEvent	
AdapterServices.Notification.Supplier:notifySupplierEvent	
AdapterServices.Notification.eRequisitions:notifyXAPIREQCRTEvent	
AdapterServices.Notification.Financials:notifyBusinessUnitEvent	
AdapterServices.Notification.Inventory:notifyItemUOMEvent	
AdapterServices.Notification.LearningManagement:notifyScaleEvent	
AdapterServices.Notification.Financials:notifyGLAccountEvent	
AdapterServices.Notification.AddressBook:notifyAddressBook	
AdapterServices.Notification.Inventory:notifyItemCostEvent	
AdapterServices.Notification.LearningManagement:notifyJobcode	
AdapterServices.Notification.LearningManagement:notifyEmployeeMasterEvent	

PeopleSoft EnterpriseOne Adapter Listener Notifications page

For each listener notification that needs to be enabled, click the word No in the Enabled column to change it to Yes.

See the chapter for your specific integration for a list of required listener notifications for that integration.

Setting Up Integration Options and Cross References

This section discusses how to:

- Set up integration options.
- Set up cross references.

See Also

PeopleSoft EnterpriseOne Tools 8.95 Web Services Gateway PeopleBook: Configuration Editor, "Using the Configuration Editor,"

Setting Up Integration Options

To set up integration options:

1. Access the Integration Server.
2. Click Management under Packages.
3. Click the Home button for the PSFT_ConfigurationEditor package.
4. On the Configuration Editor page, click Integration Options.
5. In the left pane, navigate to the integration option that you want to set up and click the last entry in the navigation.
6. In the right pane, click the Edit button for the integration option you want to change.
7. Enter a value for the integration option in the Value field and then click Save.
8. When you are finished setting up integration options, click the Close Window link in the upper-right corner of the Configuration Editor page.

Setting Up Cross References

To set up cross references:

- Access the Integration Server.
- Click Management under Packages.
- Click the Home button for the PSFT_ConfigurationEditor package.
- On the Configuration Editor page, click Code Reference or Key Reference, depending on the type of cross reference you are setting up.
- In the left pane, click the object ID for the cross reference that you want to set up.
- To add a new value, click Add and then enter the PeopleSoft EnterpriseOne value in the CanonicalID field and enter the PeopleSoft Enterprise value in the NativeID field.

When you are finished setting up cross references, click the Close Window link in the upper-right corner of the Configuration Editor page.

Setting Up for High-Volume Transactions

To efficiently process the high volume of transactions involved in this integration, you should configure the JDBC Adapter and the Integration Server with the specific settings explained in this section.

This section discusses how to:

- Set Connection Management Properties for the JDBC Adapter.
- Set Connection Management Properties for the PeopleSoft EnterpriseOne Adapter.
- Set the Integration Server memory size.

Pages Used to Set Up for High-Volume Transactions

Access these pages in the Integration Server application.

Page Name	Navigation	Usage
Edit Connection (for the JDBC Adapter)	Adapters, JDBC Adapter Click Edit on the PSFT_JDBCAdapterServices. JDBCAdapterServices.connection: connectToDB row.	Set Connection Management Properties for the JDBC Adapter connection.
Edit Connection (for the PeopleSoft EnterpriseOne Adapter)	Adapters, EnterpriseOne Adapter Click Edit on the appropriate connection row.	Set Connection Management Properties for a PeopleSoft EnterpriseOne Adapter connection. Note. The E1_811_Events_WAS connection is used for PeopleSoft EnterpriseOne 8.11 running on a WebSphere platform; the E1_811_Events_WebLogic connection is used for PeopleSoft EnterpriseOne 8.11 running on a WebLogic platform.

Setting Connection Management Properties for the JDBC Adapter

Access the Edit Connection page for the JDBC Adapter.

Note. You set up Connection Management Properties for the JDBC Adapter before you enable the PSFT_JDBCAdapterServices package.

Adapters > JDBC Adapter > Edit Connection

- [Return to JDBC Adapter Connections](#)

PSFT_JDBCAdapterServices.JDBCAdapterServices.connection:connectToDB Details

Connection Type **JDBC Adapter Connection**

Package Name **PSFT_JDBCAdapterServices**

Connection Properties

Transaction Type

DataSource Class

serverName

user

password

Retype password

databaseName

portNumber

networkProtocol

Other Properties

Connection Management Properties

Enable Connection Pooling

Minimum Pool Size

Maximum Pool Size

Pool Increment Size

Edit Connection page for the JDBC Adapter

Set the Connection Management Properties for the PSFT_JDBCAdapterServices connection in this way:

Enable Connection Pooling	<i>true</i>
Minimum Pool Size	<i>5</i>
Maximum Pool Size	<i>30</i>
Pool Increment Size	<i>5</i>

Setting Connection Management Properties for the PeopleSoft EnterpriseOne Adapter

Access the Edit Connection page for the PeopleSoft EnterpriseOne Adapter.

Note. Set up Connection Management Properties for the PeopleSoft EnterpriseOne Adapter before you enable the PSFT_EnterpriseOne_AdapterServices package.

Adapters > EnterpriseOne Adapter > Edit Connection

- [Return to EnterpriseOne Adapter Connections](#)

connection:EnterpriseOne Details	
Connection Type	PeopleSoft EnterpriseOne Connection
Package Name	PSFT_E1_Adapter
Connection Properties	
Transaction Type for Connections	LOCAL_TRANSACTION
***** ERP Connection Properties *****	
Unique name for this ERP connection	EnterpriseOneAdapter
ERP Username	XPI1
ERP Password	*****
Retype ERP Password	*****
ERP Role for Username	*ALL
ERP Environment Name	STGAWSI1
ERP Enterprise Server Host Name	denmlps11
ERP Enterprise Server Port	6080
ERP Security Server Host Name	DENMLPS11
ERP Security Server Port	6080
User Session Timeout	0
Maximum time, in milliseconds, to keep specs cached	30000000
Timeout value, in milliseconds, for a request to the enterprise server	90000
Number of milliseconds before a manual transaction expires	1200000

Edit Connection page for the PeopleSoft EnterpriseOne Adapter EnterpriseOne connection

Set the Number of milliseconds before a manual transaction expires field to *1200000*.

Setting the Integration Server Memory Size

Access the server.bat file.

The server.bat file is typically located in . . . \IntegrationServer\bin\server.bat.

Specify the minimum and maximum size of the Integration Server in this way:

```
SETLOCAL
set JAVA_MIN_MEM=512M
set JAVA_MAX_MEM=1024M
```

PART 2

Integrating PeopleSoft EnterpriseOne General Accounting with PeopleSoft Enterprise General Ledger

Chapter 5

Understanding the PeopleSoft EnterpriseOne General Accounting to PeopleSoft Enterprise General Ledger Integration

Chapter 6

Setting Up the PeopleSoft EnterpriseOne to PeopleSoft Enterprise General Ledger Integration

Chapter 7

Using the PeopleSoft EnterpriseOne to PeopleSoft Enterprise General Ledger Integration

CHAPTER 5

Understanding the PeopleSoft EnterpriseOne General Accounting to PeopleSoft Enterprise General Ledger Integration

This chapter discusses:

- Release levels.
- Business process.
- Integration architecture.
- Field structure comparison between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system.
- Assumptions and requirements of the integration process.

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 General Ledger and PeopleSoft Enterprise 8.9 General Accounting.

Business Process

This PeopleSoft integration imports PeopleSoft EnterpriseOne General Accounting data and balance information to the PeopleSoft Enterprise General Ledger. The integration is primarily intended to provide information from the PeopleSoft EnterpriseOne system to perform consolidations and prepare reports in the PeopleSoft Enterprise environment.

Because information is integrated at the ledger level, the integration process effectively enables you to integrate the PeopleSoft Enterprise system with the PeopleSoft EnterpriseOne feeder systems that include PeopleSoft EnterpriseOne Real Estate Management (REM), Asset Management (EAM), and Manufacturing through the results of operations maintained in the PeopleSoft EnterpriseOne General Accounting.

The major tasks involved in the integration of PeopleSoft Enterprise General Ledger with PeopleSoft EnterpriseOne General Accounting are:

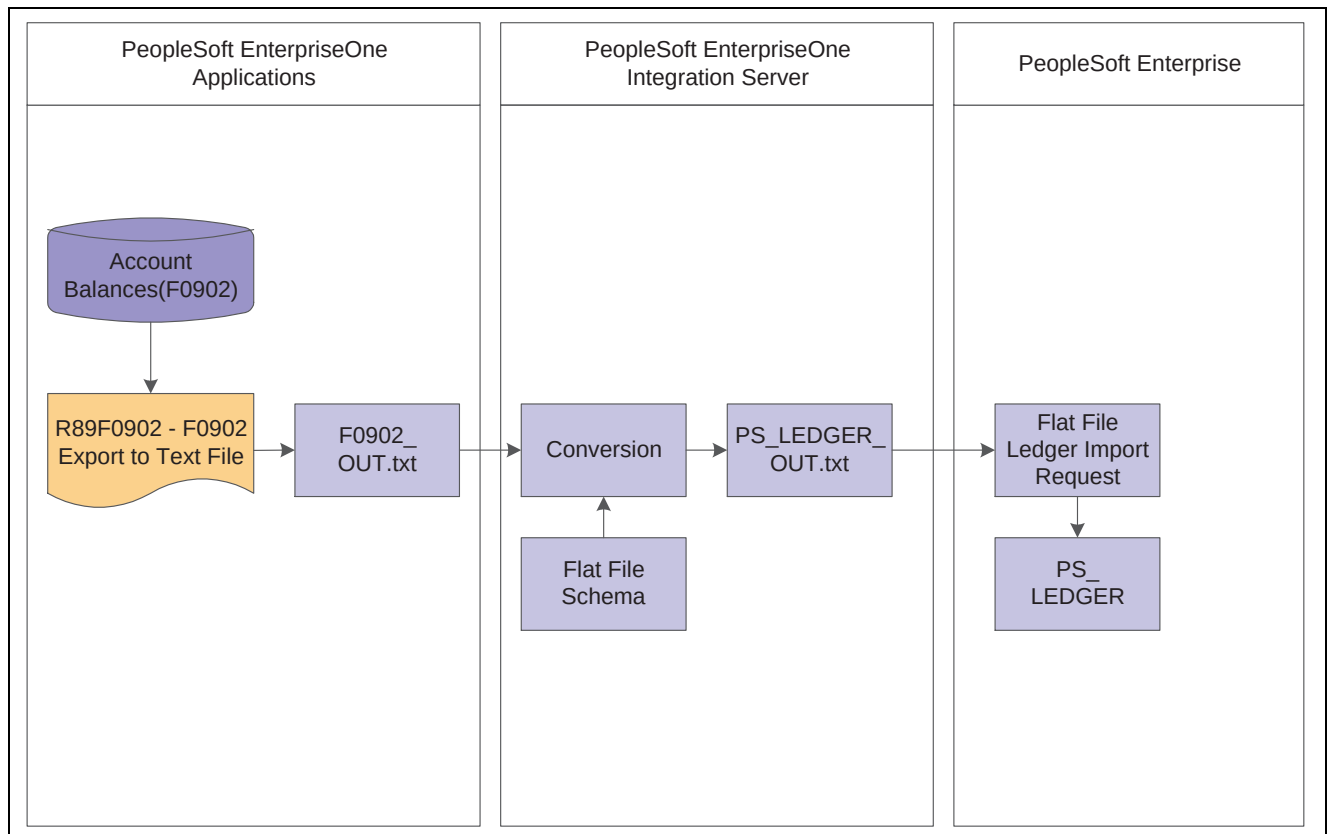
- Setting up integration options in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.

- Loading PeopleSoft EnterpriseOne General Accounting data and balance information to the PeopleSoft Enterprise General Ledger.

Integration Architecture

Information is passed in one direction only from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise General Ledger by the integration process. The term source refers to the PeopleSoft EnterpriseOne ledger and the term target refers to the PeopleSoft Enterprise ledger.

This diagram illustrates the basic integration process:



PeopleSoft EnterpriseOne GL to PeopleSoft Enterprise GL integration process

The integration includes these basic steps:

1. Using functionality in the PeopleSoft EnterpriseOne system, run the Generate Outbound Account Balances program (R89F0902) to create a text file named F0902_OUT.txt from the account balance information in the source Account Balances table (F0902), and store the file in an export folder (for example, C:\B9\PD9\export).
2. Using the Integration Server tool, run the Integration Package to retrieve the F0902_OUT.txt file, transform the data, and create a text file named PS_LEDGER_OUT-yyyymmdd-hhmmss.txt in a specified folder.
3. Using the PeopleSoft Enterprise system, run the Flat File Ledger Import utility to upload the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt file and run the ChartField Mapping utility to convert the data to the target PS_LEDGER PeopleSoft Enterprise table.

Field Structure Comparison Between the PeopleSoft EnterpriseOne System and the PeopleSoft Enterprise System

This table summarizes corresponding field structure for the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system:

PeopleSoft EnterpriseOne System	Comment	PeopleSoft Enterprise System	Comment
Company	This field is right justified, zero fill alphanumeric.	Business Unit	The equivalent of the Company field in the PeopleSoft EnterpriseOne system must be defined in the PeopleSoft Enterprise system for the integration.
Ledger Type	While other ledger types are available, the actual ledger type is always AA and is the default source ledger type for the integration unless you specify otherwise.	Ledger	Ledger in the PeopleSoft Enterprise system is user defined. A target ledger must be defined and specified for the integration.
Object Account and Subsidiary	A combined field length of 14 characters is possible. However, when the Object Account and Subsidiary fields are concatenated and if the combined field length exceeds 10 characters, the field value is truncated when the flat file is created to fit the 10-character format of the Account field in the PeopleSoft Enterprise system.	Account	The field length is 10 characters. You map the combined object account and subsidiary values that are passed in the flat file to the required account value of the target ledger by using field mapping functionality in the PeopleSoft Enterprise system.
Business Unit	A field of 12 characters used for cost centers. It is truncated to 8 characters for integration with the PeopleSoft Enterprise system.	Operating Unit	This field of eight characters is typically used to designate a cost center.
Subledger	This field is representative of the receiving company in an intercompany transaction.	Affiliate	This field designates the other business unit that is involved in an intercompany transaction using business unit.

PeopleSoft EnterpriseOne System	Comment	PeopleSoft Enterprise System	Comment
Currency Code	This is either the base currency of the company (source) or the currency of the reporting (target) ledger if amounts are translated in the PeopleSoft EnterpriseOne system.	Currency_Code	This is a three digit code for the currency of the ledger amounts being imported to the target ledger. Amounts can be translated to another currency in the PeopleSoft EnterpriseOne system or after receiving the balances in the PeopleSoft Enterprise system. However, the currency of the source and target ledgers must initially be the same.
Century and Fiscal Year	The integration process concatenates the two fields of two characters to form a Fiscal Year field of four characters.	Fiscal Year	This is a four digit field.

PeopleSoft EnterpriseOne System	Comment	PeopleSoft Enterprise System	Comment
Amount Codes	The amount codes in the PeopleSoft EnterpriseOne system are: APYC designates a beginning balance. AN01 designates the amount net posting for period 1, AN02 is for the amount net posting for period 2, and so on. AN13 and AN14 are the two available PeopleSoft EnterpriseOne adjustment periods. Their balances can be accumulated in separate PeopleSoft Enterprise adjustment periods, such as 997 and 998 or you can accumulate their combined total to 998.	Accounting_Period and Adjustment Period	The integration makes the PeopleSoft EnterpriseOne accounting period APCY equal to the PeopleSoft Enterprise beginning balance represented by 0. The accounting period is made equal to 1 in the PeopleSoft Enterprise system for the AN01 amount code in the PeopleSoft EnterpriseOne system, equal to 2 for AN02, and so on through AN12, which is equivalent to accounting period 12 in the PeopleSoft Enterprise system. The PeopleSoft Enterprise system has these adjustment periods: 901 through 998 are possible adjustment periods. Typically, accounting periods 1 through 12 correspond to monthly adjustment periods of 901 to 912. Period 998 is typically the default adjustment period when monthly adjustment periods are not used. Period 999 is used to store the results of year-end close for the PeopleSoft Enterprise system.
Amount	This is the net posting amount for a period.	Posted Total Amount, Posted Base Amount, and Posted Transaction Amount	All three fields are populated with the same PeopleSoft EnterpriseOne amount and to a period based on the amount code passed from the PeopleSoft EnterpriseOne system.

Assumptions and Requirements of the Integration Process

PeopleSoft designed the integration to be run as a batch process at the end of various periods, such as week, month, quarter, or year to move PeopleSoft EnterpriseOne general ledger balances to the PeopleSoft Enterprise system. However, you can run the process on a one-time basis at any time. The primary purpose of the integration is to provide information for consolidations and reporting in the PeopleSoft Enterprise system. The integration does not support the movement of information from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.

Calendars, Accounting Periods, and Adjustment Periods

Calendars for the source and target ledgers must be the same—that is, they must describe identical date patterns—to use the integration process.

The PeopleSoft EnterpriseOne system supports 14 periods. In the typical setup, periods 1 through 12 are used as monthly accounting periods, and periods 13 and 14 are used as adjustment periods. Another alternative setup is to maintain 13 accounting period of four weeks, which is typical in manufacturing, and use period 14 as the adjustment period. All structures can be mirrored in the PeopleSoft Enterprise system. The PeopleSoft Enterprise system uses period 0 for beginning balances, and adjustment periods 901 through 997 are available. Period 998 is the default adjustment period and period 999 is used to store the results of year-end close.

Because only one adjustment year can be open at any one time in the PeopleSoft Enterprise system, multiple years with adjustment periods cannot be transferred at the same time to the PeopleSoft Enterprise General Ledger. The Flat File Ledger Import process returns an error if adjustment periods exist for files with adjustment periods that are not open in the PeopleSoft Enterprise system. Transfer historical data for prior years with adjustment periods to the PeopleSoft Enterprise system in separate files and then close each adjustment year and open the subsequent adjustment year in PeopleSoft Enterprise General Ledger before transferring another file for a subsequent year.

See PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, “Defining Accounting Calendars,” Defining and Updating Open Periods and Adjustment Periods.

Field Lengths

Some field lengths vary between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system. The expectation is that in most cases PeopleSoft EnterpriseOne products will be implemented for the purpose of integration with existing PeopleSoft Enterprise products. That being the case, at installation you can set up the PeopleSoft EnterpriseOne fields with lengths that correspond to the ChartField lengths in the PeopleSoft Enterprise product.

If you integrate existing installations of the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system and field lengths are already established, the integration process truncates values in PeopleSoft EnterpriseOne fields to match the corresponding field lengths in the PeopleSoft Enterprise system.

For example, if the length of the combined Object Account and Subsidiary fields is greater than 10 characters, the truncation to 10 characters might result in duplicate account numbers that might also result in unwanted summarization in the PeopleSoft Enterprise system. If you want to maintain the same level of detail in the PeopleSoft Enterprise system that you have in the PeopleSoft EnterpriseOne system, limit the combined Object Account and Subsidiary fields in the PeopleSoft EnterpriseOne system to 10 characters.

Similarly, the truncation of the 12-character Business Unit field from the PeopleSoft EnterpriseOne system to correspond to the 8-character Operating Unit field in the PeopleSoft Enterprise system might cause duplicate Operating Unit values. To avoid duplicates, you can limit the PeopleSoft EnterpriseOne Business Unit field to 8 characters.

Alternatively you can use PeopleSoft Enterprise ChartField configuration functionality to increase field lengths in the PeopleSoft Enterprise system. However, this adds maintenance overhead for the PeopleSoft Enterprise products. You can avoid the additional maintenance by using the same ChartField lengths at setup or the truncation of existing field values in the PeopleSoft EnterpriseOne system.

See PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, “Configuring ChartFields.”

Currency

The currency of the source and target ledgers must initially be the same, and you must also determine at the outset whether the translation of nonreporting currency occurs in the PeopleSoft EnterpriseOne system or in the PeopleSoft Enterprise system.

If the PeopleSoft EnterpriseOne ledger balances are in a different currency, it is recommended that you translate balances in the PeopleSoft EnterpriseOne application before the integration. Alternatively you can set up the target PeopleSoft Enterprise ledger to use the same currency as the PeopleSoft EnterpriseOne system and translate or convert to the reporting currency in the PeopleSoft Enterprise system after the balances are transferred. Regardless of whether the conversion occurs in the PeopleSoft EnterpriseOne system or in the PeopleSoft Enterprise system, the currency of the source and target must initially be the same.

It follows that transfer of account balances by currency is not supported by the integration. If posting by different currencies is being used in the PeopleSoft EnterpriseOne system, all balances must be converted to the common currency that is shared by the source and target ledger before integration.

See PeopleSoft Enterprise Global Options and Reports 8.9 PeopleBook, “Processing Multiple Currencies.”

See PeopleSoft Enterprise General Ledger 8.9 PeopleBook, “Processing Multiple Currencies in General Ledger.”

CHAPTER 6

Setting Up the PeopleSoft EnterpriseOne to PeopleSoft Enterprise General Ledger Integration

This chapter discusses how to:

- Set up the PeopleSoft Enterprise system for the General Ledger integration.
- Set up the General Ledger integration in the Integration Server.

Setting Up the PeopleSoft Enterprise System for the General Ledger Integration

Before exporting amounts from EnterpriseOne into Enterprise, set up business units, ledgers, and currency codes in Enterprise to receive and support the EnterpriseOne data that is exported. The business unit in Enterprise is the equivalent of the company in EnterpriseOne. Give the business unit the same name in Enterprise as the name used in the flat file.

Here are the high-level steps, which are fully described in PeopleBooks:

1. Add business units using the same names as in the imported file from EnterpriseOne.
2. Add two ledgers and two ledger groups—one for the target and another for the source ledger.
3. Attach calendars and ledger groups to the business units.
4. Select the Allow Ledger Load Updates option.
5. Update open periods and adjustment periods as required for the file that is being loaded.
6. Load the flat file data to the source ledger.
7. Set up ChartField value mapping.
8. Perform the ChartField value mapping and populate the target ledger.

Business unit names must be the same in an EnterpriseOne to Enterprise integration. Business units cannot be mapped using ChartField mapping.

Set up two ledgers each with a separate ledger group in Enterprise for each business unit that you load from EnterpriseOne.

The first ledger is the target ledger and you must name it the same as the source ledger type in EnterpriseOne; for example, you might name it AA. The target ledger initially receives data from the PS_LEDGER_OUT yyyymmdd-hhmmss.txt file, and you use it when performing ChartField mapping and the flat file ledger import in Enterprise.

Give the second ledger an appropriate name, such as local or reporting. The second ledger is typically a consolidation ledger. This ledger stores the data from the target ledger after you have applied ChartField value mapping in Enterprise.

Existing ChartFields in Enterprise can be used; however, additional accounts and operating units can also be set up for use in the new Enterprise ledger.

See PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, “Setting Up Ledgers.”

See PeopleSoft General Ledger 8.9 PeopleBook, “Performing Financial Consolidations.”

Setting Up the General Ledger Integration in the Integration Server

This section discusses how to set up integration options for the General Ledger integration.

Setting Up Integration Options for the General Ledger Integration

The E1_GLAcctBalances_To_E_GLLedger flow uses these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_FMS, E1_GLAcctBalances_To_E_GLLedger, convert_E1_GLAcct_To_E_PSLEDGER_FileSystem	From Location directory	Specify the directory that contains the F0902_OUT.txt file as the From Location directory.
PSFT_EnterpriseOne_FMS, E1_GLAcctBalances_To_E_GLLedger, convert_E1_GLAcct_To_E_PSLEDGER_FileSystem	To Location directory	Specify the directory to which you write the PS_LEDGER_OUT.txt file as the To Location directory.

Important! The system provides default soft-coded values. It is important that you modify these values for the integration to function correctly in your environment.

See Also

[Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22](#)

CHAPTER 7

Using the PeopleSoft EnterpriseOne to PeopleSoft Enterprise General Ledger Integration

This chapter provides overviews of the export of PeopleSoft EnterpriseOne General Accounting balances to the PeopleSoft Enterprise system and the structure of the F0902_OUT.txt file and discusses how to:

- Export PeopleSoft EnterpriseOne General Accounting balances to the PeopleSoft Enterprise system.
- Import and map ChartField values in the PeopleSoft Enterprise system.

Understanding the Export of PeopleSoft EnterpriseOne General Accounting Balances to the PeopleSoft Enterprise System

This table describes the process for exporting General Ledger balances from the PeopleSoft EnterpriseOne system:

Table Conversion Program	Export File Name	Batch Integration Flow	PeopleSoft Enterprise Import Process	Usage
Generate Outbound Account Balances (R89F0902)	F0902_OUT.txt	E1_GLAacctBalances_To_E_GLLEDGER	Flat File Ledger Import utility	Loads account information from the PeopleSoft EnterpriseOne Account Balances table (F0902) to the PeopleSoft Enterprise system.

Understanding the Structure of the F0902_OUT.txt File

The F0902_OUT.txt text file is semicolon delimited and it contains this information:

Sequence	Name	Type	Length	Comment
1	Century	Number	2	GBCTRY
2	Fiscal_Year	Number	2	GBFY

Sequence	Name	Type	Length	Comment
3	Account_ID	String	8	GBAID
4	Company	String	5	GBCO
5	Business_Unit	String	12	GBMCU
6	Object_Account	String	6	GBOBJ
7	Subsidiary	String	8	GBSUB
8	Ledger_Type	String	2	GBLT
9	Period_Number	Number	3	Can equal 0 for Beginning Balance (GBAPYC), or can equal 1 for Amount Net Posting 01 (GBAN01), or 2 for Amount Net Posting 02 (GBAN02), and so on.
10	Amount	Number	15	The amount values are determined by the process in relation to the value of the accounting periods, or period_Number, that you specify on the Processing Options page. If the From period equals 0 then the amount is the GBAPYC value, if the period is equal to 1, then it is equal to GBAN01, and so on. If you are posting account balances by currency, summarize all currencies into one record. All subledger/types are summarized to one record. The amount format is: -xxxx.xx
11	Base_Currency	String	3	GBCRCX

Sequence	Name	Type	Length	Comment
12	Target_Ledger	String	10	The specified target ledger.
13	Inter_Company	String	5	The process loads this field with the company of the address book number held in the subledger (SBL) for the intercompany settlement account.

Exporting PeopleSoft EnterpriseOne General Accounting Balances to the PeopleSoft Enterprise System

This section discusses how to:

- Set data selection for Generate Outbound Account Balances (R89F0902).
- Set processing options for Generate Outbound Account Balances (R89F0902).
- Run the Generate Outbound Account Balances program in the PeopleSoft EnterpriseOne system.
- Run the batch integration in the Integration Server for the General Ledger integration.

Setting Data Selection for the Generate Outbound Account Balances Program

You can set up data selection for the Generate Outbound Account Balances program (R89F0902) to select the records to be exported. You access data selection for table conversion programs in the table conversion properties.

Important! Do not use data selection to select multiple fiscal years or specify a date range that spans more than one fiscal year. You must export data for only one fiscal year at a time.

See PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: Development Tools: Tables and Business Views, "Converting Tables," Running Table Conversions.

Setting Processing Options for Generate Outbound Account Balances (R89F0902)

Set up processing options for the Generate Outbound Account Balances program (R89F0902) to specify the source ledger and target ledger, and other parameters that are required to produce the F0902_OUT.txt file.

1. Source Ledger Type

Specify the ledger type to be used to select data from the EnterpriseOne Account Balances (F0902) table. This value is appended to any report data selection that is set up on the version of the R890902 program that is being run. *AA* is the default value if the field is left blank.

2. Target Ledger	Specify the target ledger that is used to populate the Ledger field in the PeopleSoft Enterprise general ledger text file. The target ledger must have the same name as the source ledger.
3. From Period Number	Specify the beginning PeopleSoft EnterpriseOne period to start exporting. Values are 0 to 14. If you leave this processing option blank or enter an invalid value, the system uses period 0 by default.
4. Thru Period Number (through period number)	Specify the ending PeopleSoft EnterpriseOne period for exporting. Values are 0 to 14. If you leave this processing option blank or enter an invalid value, the system uses period 14 by default.
5. Adjustment Period for Period 13	Specify the PeopleSoft Enterprise adjustment period to which PeopleSoft EnterpriseOne period 13 balances are written. Values are from 901 to 998. If you leave this processing option blank or enter an invalid value, the system uses period 998 by default.
6. Adjustment Period for Period 14	Specify the PeopleSoft Enterprise adjustment period to which PeopleSoft EnterpriseOne period 14 balances are written. Values are from 901 to 998. If you leave this processing option blank or enter an invalid value, the system uses period 998 by default.
7. Income Statement Balance Forward	Leave this field blank when you are using this process to integrate with PeopleSoft Enterprise General Ledger.

Note. If both adjustment period processing options are left blank, existing period 13 and 14 balances are added together by the process and written to adjustment period 998. The process looks at the date pattern of the company to determine whether it is using periods 13 and 14. If it is not, no records are written for GBAN13 and GBAN14.

Running the Generate Outbound Account Balances Program in the PeopleSoft EnterpriseOne System

Select G/L Advanced & Technical Operations (G0931), Generate Outbound Account Balances.

You run table conversion programs from the Batch Versions program (P98305) in much the same way that you run other batch programs.

See PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: Development Tools: Tables and Business Views, "Converting Tables," Running Table Conversions.

Running the Batch Integration in the Integration Server for the General Ledger Integration

Use the Integration Server to invoke the integration package. The package contains a flow service, which loads the F0902_OUT.txt file, performs necessary data transformations, and exports a flat file that can be received by the Enterprise system. The flat file is named PS_LEDGER_OUT-yyyymmdd-hhmmss.txt, where yyyymmdd is the date and hhmmss is the time.

Note. When you load the E1_GLAcetBalances_To_E_GLLEDGER package in the Integration Server, you might receive a warning message that indicates that more than one flow is registered with the same namespace. You can ignore this warning.

To run the batch integration manually, invoke this service:

Service	Navigation	Comments
convert_E1_GLAacct_To_PSLEDGER_FileSystem89	PSFT_EnterpriseOne_FMS, E1_GLAacctBalances_To_E_GLLEDGER	Use this service if you are integrating with PeopleSoft Enterprise 8.9.

Note. You can test with or without inputs because this service does not use inputs.

See webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services.

Importing and Mapping ChartField Values in the PeopleSoft Enterprise System

This section provides an overview of processing of the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt file in the PeopleSoft Enterprise system and discusses how to:

- Import the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt file to the target ledger in the PeopleSoft Enterprise system.
- Define ChartField mapping rules in the PeopleSoft Enterprise system.
- Create ChartField mapping sets in the PeopleSoft Enterprise system.
- Convert the imported ledger to the second (or consolidation) PeopleSoft Enterprise ledger.

Understanding Processing of the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt File in the PeopleSoft Enterprise System

The PeopleSoft Enterprise system uses the flat file import Application Engine process (GL_LED_IMPORT) to import the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt flat file produced in the PeopleSoft EnterpriseOne system. The process imports the data to a target ledger in the PeopleSoft Enterprise system named AA or to a target ledger with the same name as the source ledger in the PeopleSoft EnterpriseOne system. The source ledger and target ledger must have the same name.

The process imports the file to the target ledger and business unit specified in the flat file that is imported.

After the flat file is imported to the target ledger, use the ChartField mapping utility in the PeopleSoft Enterprise system to map the target ledger ChartField values to the ChartField values of a second reporting (or consolidation) ledger that you must create in the PeopleSoft Enterprise system. The second ledger has ChartField values corresponding to the consolidation (or desired reporting) chart of accounts.

Note. The second (or consolidation) ledger in the PeopleSoft Enterprise system is created with the same business unit as in the target ledger that received the data from the PeopleSoft EnterpriseOne system.

Pages Used to Import and Map ChartField Values in the PeopleSoft Enterprise System

Access these pages in the PeopleSoft Enterprise system:

Page Name	Object ID	Navigation	Usage
Flat File Ledger Import Request	LOAD_LED_PNL	General Ledger, Ledgers, Import Ledger from Flat File, Flat File Ledger Import, Flat File Ledger Import Request	Import a flat file ledger. The system uses the information in the flat file to determine the target ledger to which the data is imported.
ChartField Value Mapping	CF_VALUE_MAPPING	General Ledger, Consolidate Financial Data, Load Ledgers, ChartField Value Mapping	Create the ChartField mapping rules. After you have created the initial target ledger and the second (or consolidation) ledger in Enterprise, use this page to map the ChartField values from the target ledger to the values of the second, or consolidation, ledger.
ChartField Mapping Set	CF_MAPPING_SET	General Ledger, Consolidate Financial Data, Load Ledgers, ChartField Mapping Set	Define which ChartFields are associated with mapping. Tie the ChartField mapping rules to the ChartFields whose values are to be converted.
Load Ledgers Request	LED_LOAD_RQST	General Ledger, Consolidate Financial Data, Load Ledgers, Request Ledger Load, Load Ledgers Request	Convert the imported ledger to the second (or consolidation) ledger.

Import the PS_LEDGER_OUT-yyyymmdd-hhmmss.txt File to the Target Ledger in the PeopleSoft Enterprise System

Access the Flat File Ledger Import Request page.

Flat File Ledger Import Request

Run Control ID: 0000000145
[Report Manager](#)
[Process Monitor](#)

Process Request Parameters

*Character Set:

*Validate ChartFields:

Attached File: PS_LEDGER_OUT20050512.txt

Flat File Ledger Import Request page

Character Set

Select a Character Set for the flat file being imported. For example, you might specify *ISO_8859-6* for Arabic or *JIS_X_0208* for Japanese Kanji if the file was prepared in that character set and is imported to a ledger of the same character set.

Validate ChartFields

Select *None* to prevent ChartField validation. Do not use the ChartField validation process when importing to the target ledger.

Add

Click the Add button to access a browse dialog box and locate the file that is to be uploaded. This can be from a location on your company's intranet or from your C drive on which you previously stored the flat file. In the browse dialog box, click the Upload button when you have located the file and upload it to the target ledger.

See PeopleSoft General Ledger 8.9 PeopleBook, "Integrating and Transferring Information Among Applications."

Defining ChartField Mapping Rules in the PeopleSoft Enterprise System

Access the ChartField Value Mapping page.

ChartField Value Mapping

Value Set Name: SPN_COA Mapping ChartField: ACCOUNT *Target SetID: SHARE

Mapped Business Units Find | View All | First 1 of 1 Last

*Business Unit	*SetID
SPN01	SPN01

Mapped Values Find | View All | First 1-4 of 4 Last

Target Values		Source Values		
Line	*ChartField Value	SetID From	Range From	Range To
1	340000	SPN01	100000	102000
		SPN01	190000	199000
		SPN01	248000	249000
		SPN01	259000	259000

ChartField Value Mapping page

Note. In the PeopleSoft Enterprise ChartField mapping environment, the source is the ledger containing the imported data from the PeopleSoft EnterpriseOne system. Also, the target is now the second (or consolidation) ledger that you create in the PeopleSoft Enterprise system to receive the newly mapped ChartField values.

Business Unit

Enter the business unit of the target ledger. This is the same business unit received from the PeopleSoft EnterpriseOne system.

SetID

Enter a group identifying a set of ChartFields.

Create groups corresponding to a setID that identify the set of account values in the target ledger received from the PeopleSoft EnterpriseOne system.

Mapped Values

Enter multiple target values for each appropriate ChartField value in the second (or consolidation) ledger and map to them with multiple groups of source values.

Target Values Enter a ChartField value for the second (or consolidation) ledger to which the source values derived from the target ledger received from the PeopleSoft EnterpriseOne system are to be mapped.

Source Values Enter a ChartField value or group ranges of ChartFields from the target ledger that are to be mapped to the ChartField target value in the second (or consolidation) ledger.

See PeopleSoft General Ledger 8.9 PeopleBook, “Performing Financial Consolidations,” Mapping Dissimilar Charts of Accounts.

Creating ChartField Mapping Sets in the PeopleSoft Enterprise System

Access the ChartField Mapping Set page.

ChartField Mapping Set

Mapping Set Details

ChartField Mapping Set: SPNCRP_CSL
***Status:** Active
***Description:** Spain CORPORATE to CONSOL-USD
***Ledger Template:** STANDARD Standard Detail Ledger
***Source Record:** Ledger Record
Source Ledger: CORPORATE **Target Ledger:** CONSOL-USD

Refresh

Ledger Template Chartfields

Customize | Find | First 1-16 of 16 Last

Field Long Name	*Option	Value Set Name	Target SetID	View Detail
Account	Map to New Values	SPN_COA	SHARE	View Detail
Alternate Account	Keep the Values			
Operating Unit	Keep the Values			
Fund Code	Keep the Values			
Department	Keep the Values			
Program Code	Keep the Values			
Class Field	Keep the Values			
Budget Reference	Keep the Values			

ChartField Mapping Set page

Source Record Select *Ledger Record*.

Source Ledger Enter the name of the target ledger where the data imported from PeopleSoft EnterpriseOne resides.

Target Ledger Enter the name of the second (or consolidation) ledger that you are mapping to.

See PeopleSoft General Ledger 8.9 PeopleBook, “Performing Financial Consolidations,” Mapping Dissimilar Charts of Accounts.

Converting the Imported Ledger to the Second (or Consolidation) PeopleSoft Enterprise Ledger

Access the Load Ledgers Request page.

Load Ledgers Request

Run Control ID: 0000000145 [Report Manager](#) [Process Monitor](#) **Run**

Process Request Parameters Find | View All First 1 of 1 Last

Process Frequency

☐ Once
☐ Always
☒ Don't

Request Number: 1

Description:

Business Unit: US001 ***Mapping Set:**

Leaving Business Unit blank will cause all values to be selected for this process

***Fiscal Year:**

Accounting Periods: **From:** 0 ***To:**

☒ Include Adjustment Period(s) **Adjust From:** **Adjust To:**

☒ Load Unmapped Values

Load Ledgers Request page

Business Unit	Enter the business unit of the target ledger received from the PeopleSoft EnterpriseOne system.
Mapping Set	Enter the mapping set that describes the mapping from the target to the second (or consolidation) ledger.
Fiscal Year	Supply the common fiscal year of the target and second, or consolidation, ledger data.
Accounting Periods	Enter the common periods of the target and second (or consolidation) ledger. For example, 0 to 12 for the beginning balance and the 12 months for a year. You can also enter 0 to 13 for a 13 period year. If you are entering information on a quarterly basis, you could enter 0 through 3 for the first quarter, or 10 through 12 for the fourth quarter.
Include Adjustment Period(s)	Select this check box to include periods from 901 through 997 or if all adjustments are summarized, enter 998 to both boxes.
Perform Incremental Load	This field is not used in this process.
Load Unmapped Values	By default, this check box is selected. If ChartField values are unmapped (either inadvertently or intentionally) and you do not clear this check box, the system enters the unmapped values in the second (or consolidation) ledger in the existing sequence in the ChartField values of the second (or consolidation) ledger.

See PeopleSoft General Ledger 8.9 PeopleBook, “Performing Financial Consolidations,” Using the Ledger Interface Utility.

PART 3

Integrating PeopleSoft Enterprise HRMS with PeopleSoft EnterpriseOne Address Book

Chapter 8

Understanding the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

Chapter 9

Setting Up the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

Chapter 10

Setting Up Prerequisite Data for the HRMS to Address Book Integration

Chapter 11

Using the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

CHAPTER 8

Understanding the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

This chapter provides overview of the:

- Release levels
- Business process
- Integration architecture

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 Address Book and PeopleSoft Enterprise 8.9 HRMS.

Business Process

You use the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book integration to synchronize personnel data from PeopleSoft Enterprise HRMS with PeopleSoft EnterpriseOne Address Book.

This integration is useful if you are using one or more PeopleSoft Enterprise systems, but you conduct other business functions involving employees in the PeopleSoft EnterpriseOne system. For example, you might use the PeopleSoft Enterprise payroll system, and the PeopleSoft EnterpriseOne Expense Management system.

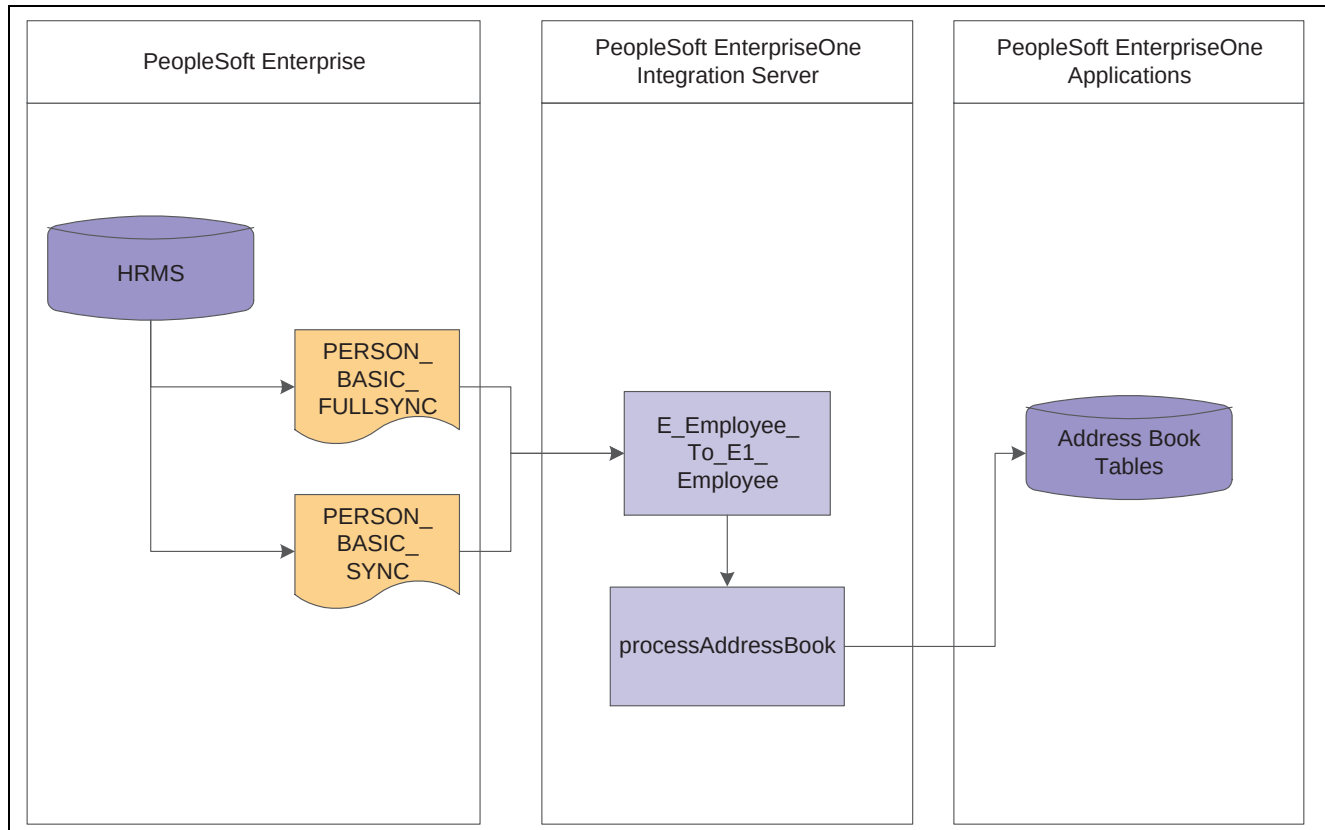
The major tasks involved in the integration of PeopleSoft Enterprise HRMS with PeopleSoft EnterpriseOne Address Book are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Set up the integration in the PeopleSoft Enterprise database.
- Loading a batch of PeopleSoft Enterprise personnel data into the PeopleSoft EnterpriseOne system.
- Synchronizing incremental changes in Enterprise personnel data with the PeopleSoft EnterpriseOne system.

Integration Architecture

You can run this integration as a batch process to perform an initial load of the data. You can also enable this integration to synchronize person information in realtime when a new employee is added or information for an existing employee is changed.

This diagram illustrates the basic integration tasks:



PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Process Flow

The PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book integration consists of these major steps:

1. The Enterprise EIP generates either of these messages:
 - a. **PERSON_BASIC_FULLSYNC** - This transaction is used for the initial load of the employee information and contains records for multiple employees.
 - b. **PERSON_BASIC_SYNC** - This transaction is used each time an employee record is added, changed, or deleted in Enterprise and contains a record for only one employee.
2. The Integration Server delivers the file to the **E_Employee_To_E1_Employee** flow, which invokes the **processAddressBook** interface flow.

Note. This integration uses two different flows named E_Employee_To_E1_Employee: PSFT_EnterpriseOne_HRMS.Employee.InitialBatchLoads.E_Employee_To_E1_AddressBook and PSFT_EnterpriseOne_HRMS.Employee.RealTimeDataSyncs.E_Employee_To_E1_AddressBook. The flow in the InitialBatchLoads folder processes the PERSON_BASIC_FULLSYNC message and the flow in the RealTimeDataSyncs folder processes the PERSON_BASIC_SYNC message. Both flows invoke the processAddressBook interface flow.

3. The processAddressBook interface flow calls PeopleSoft EnterpriseOne business functions to add, change, or delete the employee information in the Address Book Master table (F0101), the Address Book - Contact Phone Numbers table (F0115), and the Electronic Address table (F01151).

CHAPTER 9

Setting Up the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

This chapter discusses how to:

- Set up the HRMS to Address Book Integration in the PeopleSoft Enterprise database.
- Set up message transformations in the PeopleSoft Enterprise database.
- Set up the HRMS to Address Book Integration in the Integration Server.

Setting Up the HRMS to Address Book Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discusses how to:

- Verify message channel setup for the HRMS to Address Book integration.
- Activate message subscriptions for the HRMS to Address Book integration.
- Set up integration transactions for the HRMS to Address Book integration.
- Activate the FULLSYNC message for the HRMS to Address Book integration.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise HRMS database:

- Set up the local gateway in the PeopleSoft Enterprise HRMS database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 message node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Pages Used to Set Up the HRMS to Address Book Integration in the PeopleSoft Enterprise Database

Access these pages in the PeopleSoft Enterprise HRMS database.

Page Name	Object Name	Navigation	Usage
Full Table Publish Rules	EO_MSGPUBFULL	Enterprise Components, Integration Definitions, Full Data Publish Rules, Full Table Publish Rules	Activate message names.
Channel Status	AMM_CHNL_STATUS	PeopleTools, Integration Broker, Monitor Integrations, Monitor Message Click the Channel Status tab.	Verify the status of message channels.

Verifying Message Channel Setup for the HRMS to Address Book Integration

Access the Channel Status page.

Verify that the status is Running for the PERSON_DATA message channel.

See Also

[Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15](#)

Activating Message Subscriptions for the HRMS to Address Book Integration

Verify that these message subscriptions are active:

- PERSON_BASIC_SYNC
- PERSON_BASIC_FULLSYNC

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17](#).

Setting Up Integration Transactions for the HRMS to Address Book Integration

After you activate the PSFT_E1 node, activate these transactions:

Transaction Type	Request Message	Request Message Version
OutAsync	PESON_BASIC_SYNC	VERSION_2
OutAsync	PESON_BASIC_SYNC	INTERNAL

Transaction Type	Request Message	Request Message Version
OutAsync	PESON_BASIC_FULLSYNC	VERSION_2
OutAsync	PESON_BASIC_FULLSYNC	VERSION_3

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.

Activating the FULLSYNC Message for the HRMS to Address Book Integration

Access the Full Table Publish Rules page.

Full Table Publish Rules | Record Mapping | Languages

Message Name: PERSON_BASIC_FULLSYNC

Description: Personal Data Full Sync

Publish Rule Definition Find | View All First 1 of 1 Last

*Publish Rule ID:	PERSON_BASIC	+ -
*Description:	PERSON_BASIC_FULLSYNC	
*Status:	Active	▼
Chunking Rule ID:		🔍
Alternate Chunk		

Table:

Message Options

- ☐ Create Message Header
- ☐ Create Message Trailer

Output Format

- ☒ Message
- ☐ Flat File
- ☐ Flat File with Control Record

Full Table Publish Rules page

The FULLSYNC is an integration utility that performs an initial complete load of data. Before you run the FULLSYNC process, you need to activate the message name.

To activate the message name,

1. Fill in the appropriate information under the Publish Rule Definition group box and select Active as the status.
2. Clear any message options.

Setting Up Message Transformations in the PeopleSoft Enterprise Database

This section provides an overview of required message transformations and discusses how to:

- Define a relationship to convert the PERSON_BASIC_FULLSYNC message version.
- Define a relationship to convert the PERSON_BASIC_SYNC message version.
- Define a relationship to remove the IsChanged attribute.

Understanding the Required Message Transformations

The PeopleSoft Enterprise HRMS system publishes the VERSION_3 version of the PERSON_BASIC_FULLSYNC message when you execute the FULLSYNC integration. However, the E_Employee_To_E1_Employee flow requires the VERSION_2 version of the PERSON_BASIC_FULLSYNC message. You must set up a transformation to transform the INTERNAL version of the PERSON_BASIC_SYNC message to the VERSION_2 version of the PERSON_BASIC_SYNC message.

The PeopleSoft Enterprise HRMS system publishes the INTERNAL version of the PERSON_BASIC_SYNC message when you execute the SYNC integration. However, the E_Employee_To_E1_Employee flow requires the VERSION_2 version of the PERSON_BASIC_SYNC message. You must set up a transformation to transform the INTERNAL version of the PERSON_BASIC_SYNC message to the VERSION_2 version of the PERSON_BASIC_SYNC message.

In addition, you must set up a transformation to remove the IsChanged attribute from the VERSION_2 versions of both the PERSON_BASIC_FULLSYNC and PERSON_BASIC_SYNC messages.

You must access three different forms to set up each relationship. The procedures in this section contain the data you must enter on each of the three forms for each relationship.

Pages Used to Define Relationships

Access these pages in the PeopleSoft Enterprise HRMS database.

Page Name	Object Name	Navigation	Usage
Relationships	IB_RELATIONSHIP	PeopleTools, Integration Broker, Integration Setup, Relationships	Define a relationship in order to remove the IsChanged attribute from the outgoing PERSON_BASIC_FULLSYNC and PERSON_BASIC_SYNC messages.

Page Name	Object Name	Navigation	Usage
Relationship Transactions	IB_RELATIONSHIP	Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier.	Add a transaction modifier that will be used to remove the IsChanged attribute from the outgoing PERSON_BASIC_FULLSYNC or PERSON_BASIC_SYNC message. Note. You must set up two transaction modifiers: one for the PERSON_BASIC_FULLSYNC message and one for the PERSON_BASIC_SYNC message.
Transaction Modifiers	IB_RELATIONSHIP	Click Add on the Relationship Transactions page.	Specify a transformation request that performs the XSL transformation in order to remove the IsChanged attribute from the outgoing PERSON_BASIC_FULLSYNC or PERSON_BASIC_SYNC message. Note. You must set up the transformation request on both the transaction modifier for the PERSON_BASIC_FULLSYNC message and the transaction modifier for the PERSON_BASIC_SYNC message.

Defining a Relationship to Convert the PERSON_BASIC_FULLSYNC Message Version

Access the Relationships page.

To define a relationship to convert the PESON_BASIC_FULLSYNC message version:

1. Enter a name to identify the relationship that will convert the PERSON_BASIC_FULLSYNC message version in the Relationship ID field.
2. Enter a description of the relationship in the Description field.
3. Select *Active* in the Relationship Status field.
4. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in both the first and second Node Name fields.
5. Click Save.
6. Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier to access the Relationship Transactions page.
7. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Initial Node field.
8. Specify *PERSON_BASIC_FULLSYNC* in the Request Message Name field below the Initial Node field.
9. Specify *VERSION_3* in the Source Request Message Version field.
10. Specify *OA* (OutAsync) in the Transaction Type field.
11. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Result Node field.

12. Specify *PERSON_BASIC_FULLSYNC* in the Request Message Name field below the Result Node field.
13. Specify *VERSION_2* in the Target Request Message Version field.
14. Click Add.
15. On the Transaction Modifiers page, specify *OA* in the Transaction Type field.
16. Specify *PDATA_FULLV2* in the Request field and then click Save.

Defining a Relationship to Convert the PERSON_BASIC_SYNC Message Version

Access the Relationships page.

To define a relationship to convert the PESON_BASIC_SYNC message version:

1. Enter a name to identify the relationship that will convert the PERSON_BASIC_SYNC message version in the Relationship ID field.
2. Enter a description of the relationship in the Description field.
3. Select *Active* in the Relationship Status field.
4. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in both the first and second Node Name fields.
5. Click Save.
6. Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier to access the Relationship Transactions page.
7. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Initial Node field.
8. Specify *PERSON_BASIC_SYNC* in the Request Message Name field below the Initial Node field.
9. Specify *INTERNAL* in the Source Request Message Version field.
10. Specify *OA* (OutAsync) in the Transaction Type field.
11. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Result Node field.
12. Specify *PERSON_BASIC_SYNC* in the Request Message Name field below the Result Node field.
13. Specify *VERSION_2* in the Target Request Message Version field.
14. Click Add.
15. On the Transaction Modifiers page, specify *OA* in the Transaction Type field.
16. Specify *PDATA_SYNCV2* in the Request field and then click Save.

Defining a Relationship to Remove the IsChanged Attribute

Access the Relationships page.

To define a relationship to remove the IsChanged attribute from both the PERSON_BASIC_FULLSYNC and PERSON_BASIC_SYNC messages:

1. Enter a name to identify the relationship that will remove the IsChanged attribute from the outgoing PERSON_BASIC_SYNC and PERSON_BASIC_FULLSYNC messages in the Relationship ID field.
2. Enter a description of the relationship in the Description field.
3. Select *Active* in the Relationship Status field.

4. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in both the first and second Node Name fields.
5. Click Save.
6. Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier to access the Relationship Transactions page.
7. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Initial Node field.
8. Specify *PERSON_BASIC_FULLSYNC* in the Request Message Name field below the Initial Node field.
9. Specify *VERSION_2* in the Source Request Message Version field.
10. Specify *OA* (OutAsync) in the Transaction Type field.
11. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Result Node field.
12. Specify *PERSON_BASIC_FULLSYNC* in the Request Message Name field below the Result Node field.
13. Specify *VERSION_2* in the Target Request Message Version field.
14. Click Add.
15. On the Transaction Modifiers page, specify *OA* in the Transaction Type field.
16. Specify *HI_CHG_ATTR* in the Request field and then click Save.
17. Click the Return to Transaction List link.
18. Click the Add Transaction Modifier button.
19. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Initial Node field.
20. Specify *PERSON_BASIC_SYNC* in the Request Message Name field below the Initial Node field.
21. Specify *VERSION_2* in the Source Request Message Version field.
22. Specify *OA* (OutAsync) in the Transaction Type field.
23. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Result Node field.
24. Specify *PERSON_BASIC_SYNC* in the Request Message Name field below the Result Node field.
25. Specify *VERSION_2* in the Target Request Message Version field.
26. Click Add.
27. On the Transaction Modifiers page, specify *OA* in the Transaction Type field.
28. Specify *HI_CHG_ATTR* in the Request field and then click Save.

Setting Up the HRMS to Address Book Integration in the Integration Server

This section discusses how to set up integration options for the HRMS to Address Book integration.

Setting Up Integration Options for the HRMS to Address Book Integration

The *E_Employee_To_E1_Employee* flows use these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Employee	Expected Name Type	The default name type is <i>PRI</i> (primary). You can change this value to integrate another name type to the PeopleSoft EnterpriseOne system if necessary.
PSFT_EnterpriseOne_HCM, Employee	Expected Address Type	The default address type is <i>HOME</i> . You can change this value to integrate another address type to the PeopleSoft EnterpriseOne system if necessary. For example, you might change the value to <i>MAIN</i> .
PSFT_EnterpriseOne_HCM, Employee	Expected Address Status	The default address status is <i>A</i> (active). You can change this value to integrate another address status to the PeopleSoft EnterpriseOne system if necessary.

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 10

Setting Up Prerequisite Data for the HRMS to Address Book Integration

This chapter discusses how to:

- Set up manual data for the HRMS to Address Book integration.
- Set up cross-references for the HRMS to Address Book integration.

Setting Up Manual Data for the HRMS to Address Book Integration

You must load the values for these PeopleSoft Enterprise codes into the PeopleSoft EnterpriseOne system before you run the integration.

Using the PeopleSoft EnterpriseOne system, set up this code data with values taken from the PeopleSoft Enterprise system:

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
State (STATE)	State (ADDS)	Set Up HRMS, Install, Product and Country Specific, State/Province	UDC 00/S	These values are user-defined.
Country (COUNTRY)	Country (CTR)	Set Up HRMS, Install, Product and Country Specific, Country Table	UDC 00/CN	These values are user-defined.

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Phone Type (PHONE_TYPE)	Phone Type (PHTP)	n/a	UDC 01/PH	These values are required: • <i>BUSN</i> • <i>CAMP</i> • <i>CELL</i> • <i>DORM</i> • <i>FAX</i> • <i>HOME</i> • <i>MAIN</i> • <i>OTR</i> • <i>PGR1</i> • <i>PGR2</i> • <i>TELX</i>
Email Type (E_ADDR_TYPE)	Electronic Address Type (ETP)	n/a	UDC 01/ET	These values are required: • <i>BUSN</i> • <i>CAMP</i> • <i>DORM</i> • <i>HOME</i> • <i>OTHR</i>

Set Up Cross-References for the HRMS to Address Book Integration

This section provides an overview of key cross-references for the HRMS to Address Book integration and discusses how to set up code cross-references for the HRMS to Address Book integration.

Understanding Key Cross-References for the HRMS to Address Book Integration

The integration requires that key cross-references be set up in the PeopleSoft EnterpriseOne WSG Cross-Reference database. The system creates these key cross-references during integration processing; no initial setup is required.

Application ID	Object ID	Comments
E-HRMS	entity	The system creates this key cross-reference between the Employee ID (EMPLID) from the PeopleSoft Enterprise system and the Address Book Number (AN8) from the PeopleSoft EnterpriseOne system. The canonical key is formatted: address book number
E-HRMS	phonenummer	The system creates this key cross-reference between the Employee ID (EMPLID) and Phone Type (PHONE_TYPE) in the PeopleSoft Enterprise system and the Address Book Number (AN8), Who's Who Line Number (IDLN), and Phone Line Number (RCK7) in PeopleSoft EnterpriseOne. The canonical key is formatted: address book number who's who line number phone line number
E-HRMS	electronicaddress	The system creates this key cross-reference between the Employee ID (EMPLID) and Email Type (E_ADDR_TYPE) in the PeopleSoft Enterprise system and the Address Book Number (AN8), Who's Who Line Number (IDLN) and Electronic Address Line Number (RCK7) in the PeopleSoft EnterpriseOne system. The canonical key is formatted: address book number who's who line number electronic address line number

Note. The PeopleSoft Enterprise field values in the preceding table are not the same as the PeopleSoft EnterpriseOne field values. For example, the employee ID numbers in the PeopleSoft Enterprise system are not the same as the address book numbers for the same employees in the PeopleSoft EnterpriseOne system. The key cross-reference contains a record of the correspondence between the PeopleSoft Enterprise and PeopleSoft EnterpriseOne values. The system adds a new key cross-reference each time a new employee record is added.

Setting Up Code Cross-References for the HRMS to Address Book Integration

You must set up code cross-references for personnel status and personnel type to enable the system to reconcile the values used in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne systems.

You set up these code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference database:

Application ID	Object ID	Native Code	Canonical Code
E-HRMS	entitytype	E	E
E-HRMS	entitytype	NC	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	ND	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NE	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NH	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NI	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NL	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NM	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NN	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NO	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NP	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NS	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NT	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.
E-HRMS	entitytype	NU	User defined in UDC 01/ST in the PeopleSoft EnterpriseOne system.

The native code is based on personnel status and personnel type. Personnel status has two possible values: *E* (Employee) and *N* (Non-Employee). If the personnel status is *E*, the personnel type is not populated. If the personnel status is *N*, the personnel type is populated to identify the type of non-employee. The concatenation of the personnel status and personnel type codes must be cross-referenced to PeopleSoft EnterpriseOne search types.

This example illustrates the code cross-reference between the personnel status *E* and the address book search type *E* and between the concatenation of personnel status *N* and personnel type *M* and the address book search type *S*.

Application ID	Object ID	Native Code	Canonical Code
E-HRMS	entitytype	<i>E</i>	<i>E</i>
E-HRMS	entitytype	<i>NM</i>	<i>S</i>

CHAPTER 11

Using the PeopleSoft Enterprise HRMS to PeopleSoft EnterpriseOne Address Book Integration

This chapter discusses how to:

- Execute the FULLSYNC integration.
- Execute the SYNC integration.

Executing the FULLSYNC Integration

To run the process:

1. Select Enterprise Components, Integration Definitions, Initiate Processes, Full Data Publish, Full Data Publish.
2. Enter this information on the Full Data Publish page:
 - Request ID: <enter any unique value>
 - Process Frequency: *Once*
 - Message Name: *PERSON_BASIC_FULLSYNC*
3. Run the "Table Replication Publish" Application Engine (EOP_PUBLISHT) process.

Executing the SYNC Integration

The SYNC process automatically synchronizes employee information whenever you hire a new employee or update an existing employee's information, provided that these criteria are met:

- The message name is active.
- The PERSON_DATA channel is active.
- The SYNC transaction has been identified for the node definition.
- The SYNC transaction is defined.

PART 4

Integrating PeopleSoft Enterprise Payroll Applications with PeopleSoft EnterpriseOne General Ledger

Chapter 12

Understanding the Enterprise Payroll Applications to PeopleSoft EnterpriseOne General Ledger Integration

Chapter 13

Setting Up the PeopleSoft Enterprise Payroll Applications with PeopleSoft EnterpriseOne General Ledger Integration

Chapter 14

Setting Up Prerequisite Data for the Payroll to General Ledger Integration

Chapter 15

Configuring and Mapping Data in Enterprise Tables

Chapter 16

Using the PeopleSoft Enterprise Payroll to PeopleSoft EnterpriseOne General Ledger Integration

Chapter 17

Handling Data Errors in Batch Posting

CHAPTER 12

Understanding the Enterprise Payroll Applications to PeopleSoft EnterpriseOne General Ledger Integration

This chapter provides overviews of the:

- Release levels
- Business process
- Integration architecture
- Integration points

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 and PeopleSoft Enterprise 8.9 Payroll for North America or PeopleSoft Enterprise 8.9 Global Payroll.

Business Process

The purpose of this integration is to translate the accounting entries generated by PeopleSoft Enterprise Global Payroll and PeopleSoft Enterprise Payroll for North America into journal entries that can be accepted and processed in PeopleSoft EnterpriseOne General Ledger.

The major tasks involved in the integration of PeopleSoft Enterprise payroll applications with PeopleSoft EnterpriseOne General Ledger are:

1. Setup of integration options and code cross-referencing in the EnterpriseOne WSG soft-coding/cross-reference database.
2. Initial loading, configuring, and mapping of master data:
 - a. Load PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
 - b. Configure general ledger business units in the PeopleSoft Enterprise system and map them to human resources (HR) business units.
 - c. Map PeopleSoft EnterpriseOne master data to PeopleSoft Enterprise payroll data.
3. Incremental synchronization of changes in PeopleSoft EnterpriseOne master data.
 - a. Add, change, or delete actions performed on the master PeopleSoft EnterpriseOne tables automatically trigger incremental synchronization integrations.

- b. When the PeopleSoft EnterpriseOne system updates data in PeopleSoft Enterprise tables by the incremental integration, PeopleSoft Enterprise payroll users must update data configuration and mapping as needed.
4. Routine transactions such as monthly posting of payroll data to general ledger:
 - a. Synchronize currency exchange rates if needed.
 - b. PeopleSoft Enterprise payroll applications process and post accounting lines to the PeopleSoft EnterpriseOne staging table.
 - c. In the PeopleSoft EnterpriseOne system, validate transactions and load them into the Account Ledger table (F0911).
 - d. If necessary, data errors are corrected in the PeopleSoft EnterpriseOne table or the payroll applications reset GL processing, correct errors, reprocess, and repost.
 - e. In the PeopleSoft EnterpriseOne system, post journal entries to the Account Balances table (F0902).

Integration Architecture

This section discusses the integration architecture for the:

- Import of currency exchange rates.
- Processing of payroll data.

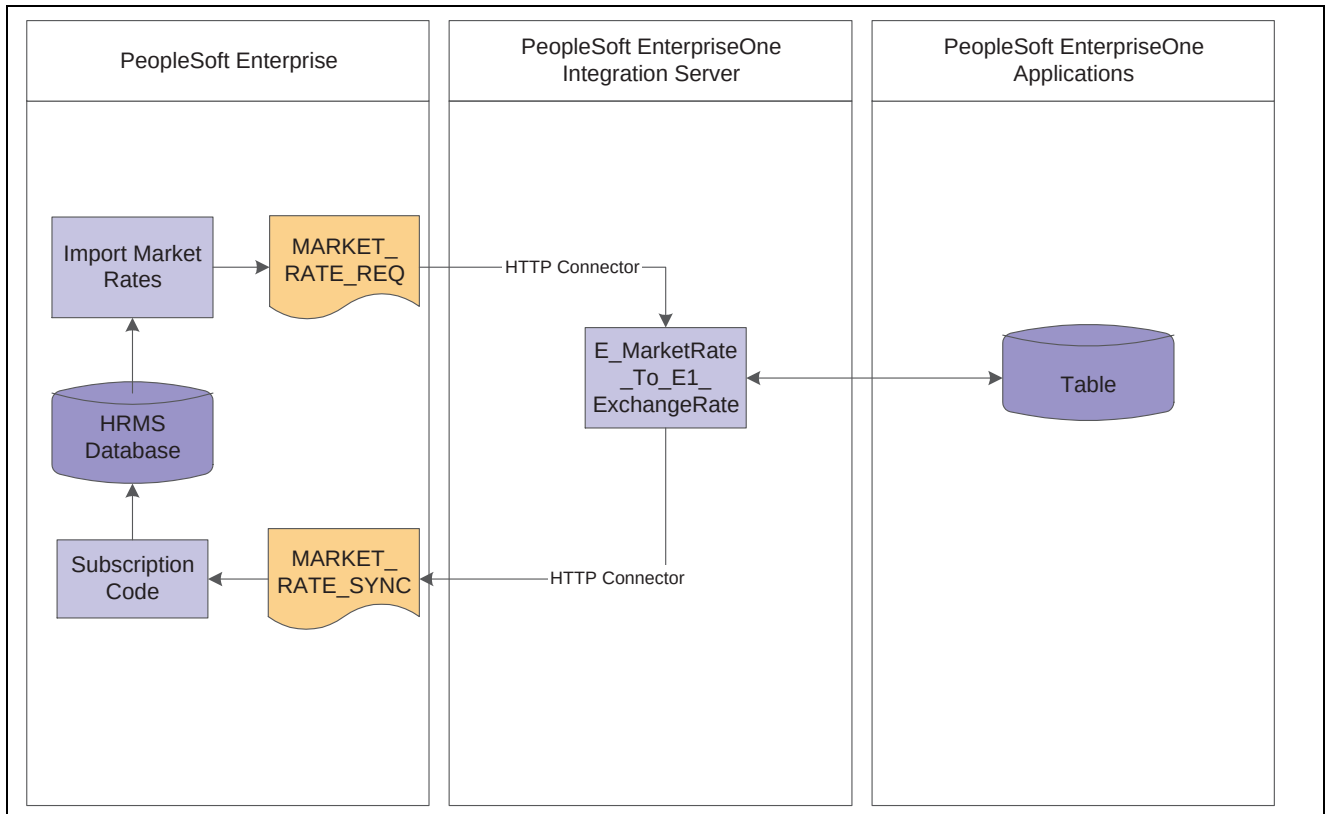
See Also

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Incremental Synchronizations, page 9

Integration Architecture for the Import of Currency Exchange Rates Process

This diagram illustrates the PeopleSoft Enterprise import of currency exchange rates from the PeopleSoft EnterpriseOne system process:



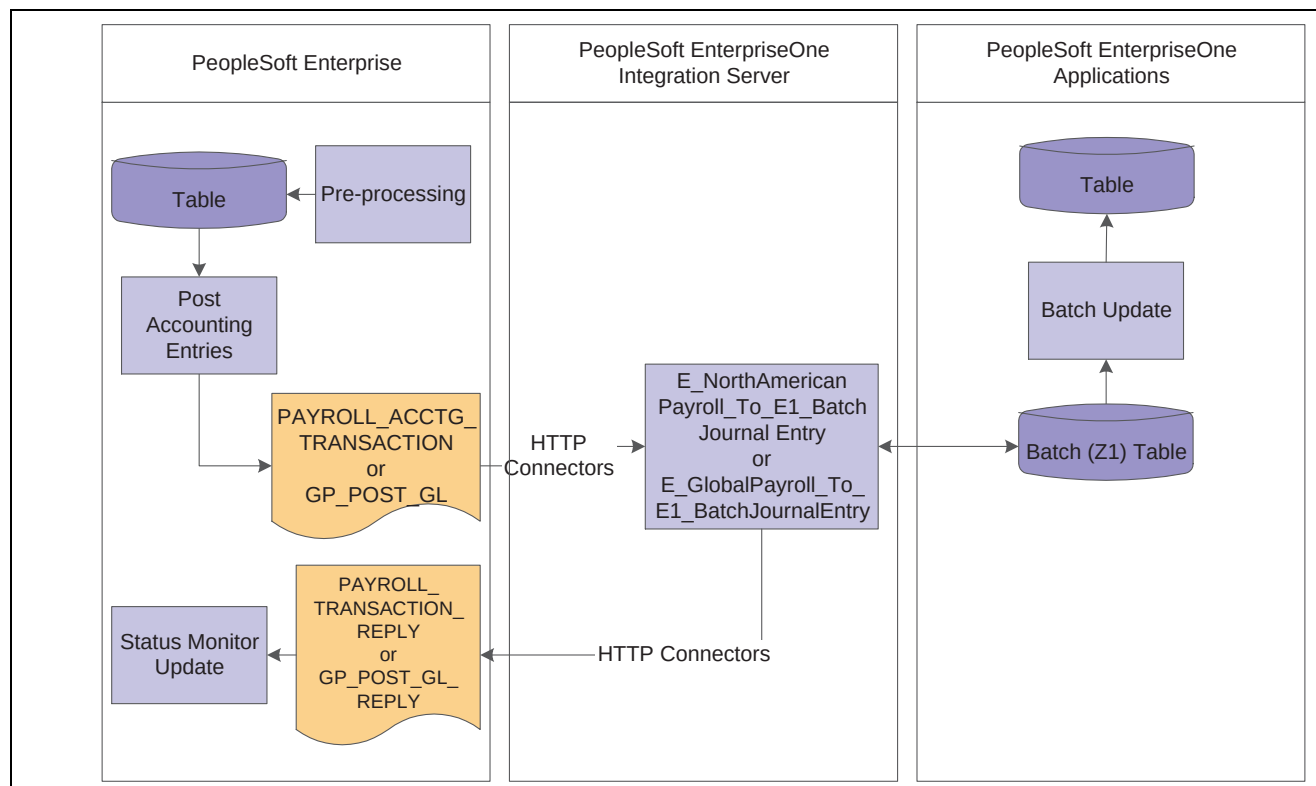
Import of exchange rates diagram

The import of currency exchange rates is initiated manually in Enterprise and consists of these major steps:

1. A PeopleSoft Enterprise user requests an import of currency exchange rates from the PeopleSoft EnterpriseOne system, which publishes the MARKET_RATE_REQ request XML message.
2. The E_MarketRate_To_E1_Exchange Rate integration flow receives the request XML message, retrieves the requested exchange rates from the PeopleSoft EnterpriseOne system, and maps the data to the MARKET_RATE_SYNC XML response message.
3. The Integration Server Dispatcher picks up the XML response message and sends it to the PeopleSoft Enterprise system using HTTP.

Integration Architecture for the Processing of Payroll Data

This diagram illustrates the processing of PeopleSoft Enterprise payroll data in the PeopleSoft EnterpriseOne system:



Payroll transactions diagram

The routine transfer of PeopleSoft Enterprise payroll accounting entries to PeopleSoft EnterpriseOne General Ledger consists of these major steps:

1. The PeopleSoft Enterprise Global Payroll or Payroll for North America user processes payroll to create staging data.
2. The PeopleSoft Enterprise payroll user transfers payroll journal entries to the PeopleSoft EnterpriseOne system, by either the **PAYROLL_ACCTG_TRANSACTION** (Payroll for North America) or **GP_POST_GL** (Global Payroll) XML message.
3. The **E_NorthAmericanPayroll_To_E1_BatchJournalEntry** or **E_GlobalPayroll_To_E1_BatchJournalEntry** integration flow transforms the XML message data and inserts it into a PeopleSoft EnterpriseOne batch (Z1) table.
4. The Integration Server returns the **PAYROLL_TRANSACTION_REPLY** or **GP_POST_GL_REPLY** status message to the PeopleSoft Enterprise system, indicating whether the table insert was successful.
5. The PeopleSoft EnterpriseOne user runs a batch program to post records from the Z1 table to the Account Ledger table (F0911).
6. The PeopleSoft EnterpriseOne user posts journal entries from the F0911 table to the Account Balances table (F0902).

Note. The PeopleSoft Enterprise Global Payroll and Payroll for North America systems must be separately set up, processed, and posted as described in this document.

Integration Points

This table lists the integration points used in this integration and provides a brief description of each:

PeopleSoft Enterprise Message Name	Integration Serviced Flow	PeopleSoft EnterpriseOne Object/Event	Description
BUS_UNIT_GL_FULLSYNC	Payroll.InitialBatchLoads. E1_Company_To_E_BusinessUnit: convert_E1_Company_To_E_BusinessUnit	Company Manage Notify Initial Load (R0010IL)	The PeopleSoft EnterpriseOne system sends an initial load of companies to the PeopleSoft Enterprise Business Units GL table (BUS_UNIT_TBL_GL). Subscription to this message additionally: - Spawns the BUS_UNIT_FS_SYNC message. - Loads the company code, effective date, effective status, and description into the Controlling Area table (HPYP_CNTRL_AREA).
BUS_UNIT_GL_SYNC	Payroll.RealTimeDataSyncs. E1_Company_To_E_BusinessUnit: convert_E1_Company_To_E_BusinessUnit	RTCOOUT realtime event	The PeopleSoft EnterpriseOne system sends incremental updates of companies to the PeopleSoft Enterprise Business Units GL table. This integration point performs the same additional functions as the corresponding initial load.
BUS_UNIT_FS_SYNC	N/A	N/A	The PeopleSoft Enterprise system spawns this internal EIP from the subscription to BUS_UNIT_GL_FULLSYNC and BUS_UNIT_GL_SYNC. This EIP imports or updates the company description into the PS/Financials Business Units table (BUS_UNIT_TBL_FS).

PeopleSoft Enterprise Message Name	Integration Serviced Flow	PeopleSoft EnterpriseOne Object/Event	Description
COST_CENTER_FULLSYNC	Payroll.InitialBatchLoads. E1_BusinessUnit_To_E_CostCenter: convert_E1_BusinessUnit_To_E_CostCenter	Business Unit Batch Load (R8900F0006)	The PeopleSoft EnterpriseOne system sends an initial load of business units to the PeopleSoft Enterprise Cost Center table (HPYP_CC_TBL).
COST_CENTER_SYNC	Payroll.RealTimeDataSyncs. E1_BusinessUnit_To_E_CostCenter: convert_E1_BusinessUnit_To_E_CostCenter	RTBUOUT realtime event	The PeopleSoft EnterpriseOne system sends incremental updates of business units to the PeopleSoft Enterprise Cost Center table.
ACCOUNT_CHARTFIELD_FULLSYNC	Payroll.InitialBatchLoads. E1_GLAccount_To_E_Account: convert_E1_GLAccount_To_E_Account	Account Master Batch Load (R8909F0901)	The PeopleSoft EnterpriseOne system sends an initial load from the Account Master table (F0901) to the PeopleSoft Enterprise GL Accounts table (GL_ACCOUNTS_TBL).
ACCOUNT_CHARTFIELD_SYNC	Payroll.RealTimeDataSyncs. E1_GLAccount_To_E_Account: convert_E1_GLAccount_To_E_Account	RTAMOUT realtime event	The PeopleSoft EnterpriseOne system sends incremental update of accounts to the PeopleSoft Enterprise GL Accounts table.
MARKET_RATE_REQ	Payroll. E_MarketRate_To_E1_ExchangeRate: query_E_MarketRate_To_E1_ExchangeRate_And_Response	Currency Exchange Rates (F0015)	The PeopleSoft Enterprise system queries PeopleSoft EnterpriseOne for currency exchange rate multiplier or divisor.
MARKET_RATE_SYNC	Payroll. E_MarketRate_To_E1_ExchangeRate: query_E_MarketRate_To_E1_ExchangeRate_And_Response	Currency Exchange Rates (F0015)	The PeopleSoft EnterpriseOne system replies and the PeopleSoft Enterprise system updates the Market Rate Data table (RT_RATE_TBL).
PAYROLL_ACCTG_TRANSACTION	Payroll. E_NorthAmericanPayroll_To_E1_BatchJournal Entry: insert_E_NorthAmericanPayroll_To_E1_BatchJournalEntry_And_Response	Journal Entry Transactions - Batch File (F0911Z1)	PeopleSoft Enterprise Payroll for North America publishes accounting data to the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Message Name	Integration Serviced Flow	PeopleSoft EnterpriseOne Object/Event	Description
PAYROLL_TRANSACTION_REPLY	Payroll. E_NorthAmericanPayroll_To_E1_ BatchJournalEntry: insert_E_NorthAmericanPayroll_ To_E1_BatchJournalEntry_And_ Response	N/A	The PeopleSoft EnterpriseOne system notifies PeopleSoft Enterprise Payroll for North America of success or error in loading the F0911Z1 table.
GP_POST_GL	Payroll. E_GlobalPayroll_To_E1_ BatchJournalEntry: insert_E_GlobalPayroll_To_E1_ BatchJournalEntry_And_Response	Journal Entry Transactions - Batch File (F0911Z1)	PeopleSoft Enterprise Global Payroll publishes accounting data to the PeopleSoft EnterpriseOne system.
GP_POST_GL_REPLY	Payroll. E_GlobalPayroll_To_E1_ BatchJournalEntry: insert_E_GlobalPayroll_To_E1_ BatchJournalEntry_And_Response	N/A	The PeopleSoft EnterpriseOne system notifies PeopleSoft Enterprise Global Payroll of success or error in loading the F0911Z1 table.

CHAPTER 13

Setting Up the PeopleSoft Enterprise Payroll Applications with PeopleSoft EnterpriseOne General Ledger Integration

This chapter discusses how to:

- Set up the Payroll to General Ledger integration in the PeopleSoft Enterprise database.
- Set up the Payroll to General Ledger integration in the Integration Server.

Setting Up the Payroll to General Ledger Integration in the PeopleSoft Enterprise Database

The setup of the PeopleSoft Enterprise system for this integration is documented in the PeopleSoft Enterprise Global Payroll 8.9 PeopleBook.

See PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, “Integrating with PeopleSoft EnterpriseOne General Ledger,” Setting Up the Integration in the Enterprise Database.

Setting Up the Payroll to General Ledger Integration in the Integration Server

This section lists a prerequisite and discusses how to:

- Enable EnterpriseOne Adapter listener notifications for the Payroll to General Ledger integration.
- Set up integration options for the Payroll to General Ledger integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21.](#)

Enabling EnterpriseOne Adapter Listener Notifications for the Payroll to General Ledger Integration

You must enable these listener notification services within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.Financials:notifyCompanyEvent
- AdapterServices.Notification.Financials:notifyBusinessUnitEvent
- AdapterServices.Notification.Financials:notifyGLAccountEvent

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the Payroll to General Ledger Integration

This section lists integration options used by all HCM integration flows as well as the integration options for these integration flows:

- Company to Business Unit
- Business Unit to Cost Center
- Accounts
- Market Rate to Exchange Rate
- North American Payroll Batch Journal Entry
- Global Payroll Batch Journal Entry

Integration Options Used by All Flows

All integration flows used in the Payroll to General Ledger integration require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_HR</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_HCM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Company to Business Unit

The E1_Company_To_E_BusinessUnit initial batch load and real time data sync flows require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_Company_To_E_BusinessUnit	Directory From Location - E1	Enter the location of the flat file that is generated by the PeopleSoft EnterpriseOne system. Specify the directory that contains the f0010xpi.txt file that is generated by the Account Master Batch Load (R8909F0901). This value is an example: \\machinename\pyexport.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_Company_To_E_BusinessUnit	Transaction Transport	Specify the protocol of transport that is used to get the message to Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_Company_To_E_BusinessUnit	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Business Unit to Cost Center

The E1_BusinessUnit_To_E_CostCenter initial batch load and real time data sync flows require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM.Payroll, InitialBatchLoads, E1_BusinessUnit_ To_E_CostCenter	Directory From Location - E1	Specify the location of the flat file that is generated by the PeopleSoft EnterpriseOne system. Specify the directory that contains the f0006batchload.txt file that is generated by the Account Master Batch Load program (R8900F0006). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_HCM.Payroll, InitialBatchLoads, E1_BusinessUnit_ To_E_CostCenter	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM.Payroll, InitialBatchLoads, E1_BusinessUnit_ To_E_CostCenter	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Accounts

The E1_GLAccount_To_E_Account initial batch load and real time data sync flows require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM,.Payroll, InitialBatchLoads, E1_GLAccount_To_E_Account	Directory From Location - E1	Specify the location of the flat file that is generated by the PeopleSoft EnterpriseOne system. Specify the directory that contains the f0901batchload.txt file that is generated by the Account Master Batch Load program (R8909F0901). This value is an example: <i>\\machinename\pyexport.</i>
PSFT_EnterpriseOne_HCM,.Payroll, InitialBatchLoads, E1_GLAccount_To_E_Account	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM,.Payroll, InitialBatchLoads, E1_GLAccount_To_E_Account	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_HCM, Payroll	GLAccountRangeFrom	Enter the first object account in each range of accounts to be transferred. Separate each object account in the list with a comma. You can use this integration option to select only payroll accounts. This value is an example: <i>2000,4000,6000.</i>
PSFT_EnterpriseOne_HCM, Payroll	GLAccountRangeTo	Enter the last object account in each range of accounts to be transferred. Separate each object account in the list with a comma. You can use this integration option to select only payroll accounts. This value is an example: <i>2499,4499,6499.</i>

Market Rate to Exchange Rate

The E_MarketRate_To_E1_ExchangeRate flow requires these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll, E_MarketRate_To_EI_ExchangeRate	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM, Payroll, E_MarketRate_To_EI_ExchangeRate	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

North American Payroll Batch Journal Entry

The E_NorthAmericanPayroll_To_EI_BatchJournalEntry flow requires these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll	DocumentType	Specify the type of transaction. The value must exist in the UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>TJ</i> . This integration option is optional.
PSFT_EnterpriseOne_HCM, Payroll	DocumentNumber	Specify the number that you want to use to number the first transaction. Subsequent transactions are numbered on a next number basis. The default value is <i>1</i> .
PSFT_EnterpriseOne_HCM, Payroll	User ID	Enter a user-defined identification number. This integration option is required. The user ID, in conjunction with the batch number (which is a system number generated by the PeopleSoft EnterpriseOne system) can be used to identify batch journal entry transactions. The User ID field can contain the user ID of the person or machine who is to receive messages regarding the status of the transaction. This field is blank by default. This value is an example: <i>zz1234567</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll, E_NorthAmericanPayroll_To_E1_ BatchJournalEntry	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM, Payroll, E_NorthAmericanPayroll_To_E1_ BatchJournalEntry	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Global Payroll Batch Journal Entry

The E_GlobalPayroll_To_E1_BatchJournalEntry flow requires these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll	DocumentType	Specify the type of transaction. The value must exist in the UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>TJ</i> . This integration option is optional.
PSFT_EnterpriseOne_HCM, Payroll	DocumentNumber	Specify the number that you want to use to number the first transaction. Subsequent transactions are numbered on a next number basis. The default value is <i>1</i> .
PSFT_EnterpriseOne_HCM, Payroll	User ID	Enter a user-defined identification number. This integration option is required. The user ID, in conjunction with the batch number (which is a system number generated by the PeopleSoft EnterpriseOne system) can be used to identify batch journal entry transactions. The User ID field can contain the user ID of the person or machine who is to receive messages regarding the status of the transaction. This field is blank by default. This value is an example: <i>zz1234567</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_HCM, Payroll, E_GlobalPayroll_To_ E1_BatchJournalEntry	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>http</i> or <i>jms</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_HCM, Payroll, E_GlobalPayroll_To_ E1_BatchJournalEntry	Transaction Transport Address	Enter the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an HTTP transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 14

Setting Up Prerequisite Data for the Payroll to General Ledger Integration

This chapter discusses how to:

- Set up currency code cross-references.
- Load master data for the Payroll to General Ledger integration.

Setting Up Currency Code Cross References

Both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system use the same ISO standard currency codes, with the exception of three nonstandard codes that exist in the PeopleSoft EnterpriseOne system. These three currency codes must be cross-referenced. During the transformation of messages, if the currency code from the PeopleSoft EnterpriseOne system matches any of the values in the Canonical Code field, the integration changes it to the currency code found in the Native Code field. If the currency code from the PeopleSoft EnterpriseOne system does not match any of the values in the Canonical Code field, the PeopleSoft EnterpriseOne currency code is known to be correct and is passed to the PeopleSoft Enterprise system.

You must set up these code cross references in the PeopleSoft EnterpriseOne WSG Cross-Reference database:

Application ID	Object ID	Canonical Code	Native Code
E-HCM	currencycode	<i>MXP</i>	<i>MXN</i>
E-HCM	currencycode	<i>PLZ</i>	<i>PLN</i>
E-HCM	currencycode	<i>RUB</i>	<i>RUR</i>

Note. The values in the preceding table are based on the demo data that is included in the PeopleSoft EnterpriseOne system. If your currency codes differ from those described here, set up cross-references only for those codes that differ between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system. Any currencies for which you use the same code in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system need not be included in the cross-reference table.

The Integration Server retrieves the cross-reference for the currency code when transforming these messages:

- PeopleSoft EnterpriseOne Company Initial Load and Incremental Sync to PeopleSoft Enterprise BUS_UNIT_GL_FULLSYNC and BUS_UNIT_GL_SYNC XML messages.
- PeopleSoft Enterprise Market Rate to PeopleSoft EnterpriseOne Exchange Rate MARKET_RATE_REQ and MARKET_RATE_SYNC XML messages.

- PeopleSoft Enterprise Global Payroll to PeopleSoft EnterpriseOne General Ledger GP_POST_GL XML message.
- PeopleSoft Enterprise Payroll for North America to PeopleSoft EnterpriseOne General Ledger PAYROLL_ACCTG_TRANSACTION XML message.

Loading Master Data for the Payroll to General Ledger Integration

This section provides an overview of the loading of PeopleSoft EnterpriseOne data into PeopleSoft Enterprise tables and the synchronization of master data for the Payroll to General Ledger integration, lists prerequisites, and discusses how to:

- Set processing options for Business Unit Batch Load (R8900F0006).
- Set processing options for Account Master Batch Load (R8909F0901).
- Run batch integrations in the Integration Server for the Payroll to General Ledger integration.
- Review the data in the PeopleSoft Enterprise database.

Understanding the Loading of PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Tables for the Payroll to General Ledger Integration

Perform initial loading of this PeopleSoft EnterpriseOne data to corresponding PeopleSoft Enterprise tables:

- Companies

PeopleSoft EnterpriseOne companies correspond to PeopleSoft Enterprise business units.

- Business Units

PeopleSoft EnterpriseOne business units correspond to PeopleSoft Enterprise cost centers.

- Accounts

Note. Configure the GL business units in the PeopleSoft Enterprise database before loading accounts.

This table describes the initial data loads that you must perform:

Table Conversion Program	Export File Name	Batch Integration Flow	PeopleSoft Enterprise Message
Company Manage Notify Initial Load (R0010IL)	f0010xpi.txt	E1_Company_To_E_BusinessUnit: convert_E1_Company_To_E_BusinessUnit	BUS_UNIT_GL_ FULLSYNC

Table Conversion Program	Export File Name	Batch Integration Flow	PeopleSoft Enterprise Message
Business Unit Batch Load (R8900F0006)	f0006batchload.txt	E1_BusinessUnit_To_E_CostCenter: convert_E1_BusinessUnit_To_E_CostCenter	COST_CENTER_ FULLSYNC
Account Master Batch Load (R8909F0901)	f0901batchload.txt	E1_GLAccount_To_E_Account: convert_E1_GLAccount_To_E_Account	ACCOUNT_ CHARTFIELD_ FULLSYNC

Companies

The table conversion exports company information from the PeopleSoft EnterpriseOne Company Master table (F0010).

The subscription in the PeopleSoft Enterprise system publishes both the BUS_UNIT_FS_SYNC message to load the company code and description in table BUS_UNIT_TBL_FS, and the HPIP_CNTRL_AREA_SYNC message to load company code, effective date, effective status and description into table HPYP_CNTRL_AREA.

Additional GL business unit configuration steps are required after loading into the PeopleSoft Enterprise table. Complete the configuration before loading accounts.

Business Units

The table conversion exports cost-relevant business units from the EnterpriseOne Business Unit table (F0006).

The subscription in Enterprise publishes the COST_CENTER_SYNC message to load the Cost Center table (HPYP_CC_TBL).

Accounts

The table conversion exports general ledger account information from the PeopleSoft EnterpriseOne Account Master table (F0901).

The subscription in the PeopleSoft Enterprise system publishes the ACCOUNT_CHARTFIELD_SYNC message to load table GL_ACCOUNTS_TBL. The setID value is taken from the HPIP_ADMIN_GL table, which contains the setID selected on the Configure GL Business Unit page.

Before beginning the Account Master Batch Load, you must:

- Set up the account ranges.
- Configure business units.

Considerations for Account Numbers

The concatenation of object and subsidiary portions of PeopleSoft EnterpriseOne account numbers correspond to account numbers in the PeopleSoft Enterprise system. However, the object portion of PeopleSoft EnterpriseOne account numbers can include as many as six characters and the subsidiary portion can include as many as eight characters, while PeopleSoft Enterprise account numbers can include no more than 10 characters.

To resolve the difference in account number length, the Integration Server uses an algorithm to generate a 4-digit number to substitute for the subsidiary portion of the PeopleSoft EnterpriseOne account number. For example, if the PeopleSoft EnterpriseOne account number is 1008.BEARHOME, the Integration Server sends the account number 1008xxxx, where xxxx is the number generated by the algorithm, to the PeopleSoft Enterprise system for this account.

The Integration Server maintains a key cross-reference between the original PeopleSoft EnterpriseOne account number and the account number that was sent to the PeopleSoft Enterprise system. The integration concatenates, with a | separator character, the PeopleSoft EnterpriseOne company, object account, and subsidiary to arrive at a variable-length value for the canonical key, for example:

Application ID	Object ID	Canonical (EnterpriseOne) Key	Native (Enterprise) Key
E-HCM	glaccount	00001 1008 BEARHOME	10081234
E-HCM	glaccount	00002 1008 BEARHOME	10085678

In the IP message that is sent to the PeopleSoft Enterprise system, the native key is written to the ACCOUNT field. The PeopleSoft EnterpriseOne company is used to derive the SETID field. The integration concatenates, with a blank separator character, the PeopleSoft EnterpriseOne subsidiary and the PeopleSoft EnterpriseOne account description, truncating on the right if necessary, to create a 30-character value that is written to the DESCR field. The effective date is set to January 01, 1900 and written to the EFFDT field. The Active/Inactive indicator is set to *A* (active) and written to the EFF_STATUS field.

These cautions arise from this method of relating account numbers in the two systems:

- The PeopleSoft Enterprise system cannot have more than one account number for any PeopleSoft EnterpriseOne object account and subsidiary combination for the same PeopleSoft EnterpriseOne company.
- The PeopleSoft Enterprise system cannot have more than one account number for any PeopleSoft EnterpriseOne object account and subsidiary combination with the same setID.

Note. Because PeopleSoft EnterpriseOne cross-references the accounts as they are loaded into the PeopleSoft Enterprise system, and does not send an account to the PeopleSoft Enterprise system if it is already found in the cross-reference, the Account Initial Load can effectively be run only once. If it is necessary to re-run the Account initial load, first delete all cross-references with the Object ID "glaccount".

Considerations for Account Number Ranges

All PeopleSoft EnterpriseOne companies and business units are integrated into the PeopleSoft Enterprise system. However, only certain ranges of general ledger account numbers may need to be integrated. You can limit the general ledger accounts that are integrated by performing data selection on the object account number for the initial batch load, and by setting up account number ranges on the object account number for the incremental load, so that only the payroll accounts are integrated. Payroll accounts tend to fall into certain ranges. For example, if the PeopleSoft EnterpriseOne payroll accounts are within object account numbers 1000-1499, and 5000-5499, then set up those ranges for the initial batch load and the incremental load, and only those object account numbers are integrated with the PeopleSoft Enterprise system.

Considerations for Multiple General Ledger Systems

This integration will not overwrite existing data in target tables when doing the initial data load, so the PeopleSoft Enterprise HRMS tables that receive data from the financials application can be fed by multiple systems. However, the process of loading master objects does not track which object was loaded from which system and does not perform any conflict resolution.

If the PeopleSoft Enterprise HRMS database integrates with more than one general ledger system, you must take care that the objects, such as company codes, that are loaded from one general ledger system do not conflict with the objects that are loaded from another system. If they have identical key values (such as company code), one will overwrite the other.

See Also

PeopleSoft Enterprise HRMS 8.9 Application Fundamentals PeopleBook, “Setting Up General Ledger Interface Tables”

PeopleSoft Enterprise HRMS 8.9 Application Fundamentals PeopleBook, “Setting Up and Working With ChartFields and ChartField Combinations”

Understanding the Synchronization of Master Data for the Payroll to General Ledger Integration

When the PeopleSoft EnterpriseOne system adds or deletes a business unit or company, the payroll office administrator must perform the same additional configuration and mapping steps that are required for the initial data loads. The finance office administrator must notify the payroll office administrator of such changes so that the configuration and mapping can be done.

Note. Some changes to PeopleSoft EnterpriseOne companies, business units, and accounts may be to fields that are not integrated with the PeopleSoft Enterprise system. As a result, some incremental sync messages processed by the PeopleSoft Enterprise system might contain no changes to integrated data.

This table describes the incremental syncs provided in this integration:

Master Data	PeopleSoft EnterpriseOne Realtime Event	Integration Flow	PeopleSoft Enterprise Message
Company /Business Unit	RTCOOUT	E1_Company_To_E_BusinessUnit: convert_E1_Company_To_E_BusinessUnit	BUS_UNIT_GL_SYNC
Business Unit/Cost Center	RTBUOUT	E1_BusinessUnit_To_E_CostCenter: convert_E1_BusinessUnit_To_E_CostCenter	COST_CENTER_SYNC
Account	RTAMOUT	E1_GLAaccount_To_E_Account: convert_E1_GLAaccount_To_E_Account	ACCOUNT_CHARTFIELD_SYNC

Considerations for the Incremental Sync of Business Units/Cost Centers

If the business unit is a model account business unit or consolidation business unit or if the posting edit code is *N* (Cannot Post Transactions) or *P* (Purge), the Eff_Status field in the message is set to *I* (Inactive).

Considerations for the Incremental Sync of Accounts

If you use data selection or integration options to include a range of accounts for the initial load, you must use the data selection or integration options for the incremental sync.

The PeopleSoft EnterpriseOne system invokes the realtime event for accounts when accounts are added, but not when accounts are changed or deleted. Model accounts, consolidation accounts, and accounts with any of these posting edit codes that are added in the PeopleSoft EnterpriseOne system are not sent to the PeopleSoft Enterprise system:

- *I*: Inactive account - No posting.
- *N*: Non-posting.

- *L*: Subledger and type required-detail.
- *S*: Subledger and type required-summary.
- *U*: Unit quantity required.
- *M*: Machine generated transactions only.

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems will be encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where the PeopleSoft EnterpriseOne table conversions will create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for Business Unit Batch Load (R8900F0006)

Processing options enable you to specify the default processing for programs and reports.

Date - From

Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Business Unit table (F0006). If you leave this processing option blank, the table conversion selects all records in the F0901 table.

For the initial load of business units, you should leave this processing option blank to select all business units.

Time - From

Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F0006 table.

For the initial load of business units, you should leave this processing option blank to select all business units.

Setting Processing Options for Account Master Batch Load (R8909F0901)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify a date to select G/L accounts that were created or updated from that date forward. Leave this processing option blank to indicate that all dates are valid for selection.
Time - From	Specify a time to select a G/L accounts that were created or updated from that time forward. Leave this processing option blank to indicate that all times are valid for selection.
Business Unit - From	Specify the first business unit in a range of business units to select G/L accounts within that range. Leave this processing option and the Business Unit - To processing option blank if you want to indicate that all business units are valid for selection. Leave only this processing option blank to indicate that all business units up to and including the business unit in the Business Unit - To processing option are valid for selection. Leave only the Business Unit - To processing option blank to indicate that all business units from and including the business unit in this processing option are valid for selection.
Business Unit - To	Specify the last business unit in a range of business units to select G/L accounts within that range. Leave this processing option and the Business Unit - From processing option blank if you want to indicate that all business units are valid for selection. Leave only this processing option blank to indicate that all business units from and including the business unit in the Business Unit - From processing option are valid for selection. Leave only the Business Unit - From processing option blank indicate that all business units up to and including the business unit in this processing option are valid for selection.
Object Account - From	Specify the first object account in a range of object accounts to select G/L accounts within that range. Leave this processing option and the Object Account - To processing option blank if you want to indicate that all object accounts are valid for selection. Leave only this processing option blank to indicate that all object accounts up to and including object account in the Object Account - To processing option are valid for selection. Leave only the Object Account - To processing option blank to indicate that all object accounts from and including the object account in this processing option are valid for selection.
Object Account - To	Specify the last object account in a range of object accounts to select G/L accounts within that range. Leave this processing option and the Object Account - From processing option blank if you want to indicate that all object accounts are valid for selection. Leave only the Object Account - From processing option blank to indicate that all object accounts up to and including the object account in this processing option are valid for selection. Leave only this processing option blank to indicate that all object accounts from and including the object account in the Object Account - From processing option are valid for selection.
Subsidiary	Specify a subsidiary to select G/L accounts for that subsidiary only. Leave this processing option blank if you want to indicate that all subsidiaries are valid for selection.

Running Batch Integrations in the Integration Server for the Payroll to General Ledger Integration

You use PeopleSoft EnterpriseOne WSG Integration Server or WSG Developer to invoke the batch integrations. The batch integrations contain flow services, which perform the necessary data transformations and export XML files that the PeopleSoft Enterprise system can receive.

To run the batch integrations manually, invoke these services:

Integration Service	Navigation
E1_GLAccount_To_E_Account	PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_GLAccount_To_E_Account, convert_E1_GLAccount_To_E_Account
E1_Company_To_E_BusinessUnit	PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_Company_To_E_BusinessUnit, convert_E1_Company_To_E_BusinessUnit
E1_BusinessUnit_To_E_CostCenter	PSFT_EnterpriseOne_HCM, Payroll, InitialBatchLoads, E1_BusinessUnit_To_E_CostCenter, convert_E1_BusinessUnit_To_E_CostCenter

See webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services.

Reviewing the Data in the PeopleSoft Enterprise Database

The pages used to review PeopleSoft EnterpriseOne data in the PeopleSoft Enterprise database are documented in the PeopleSoft Enterprise Global Payroll 8.9 PeopleBook.

See PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, "Integrating with PeopleSoft EnterpriseOne General Ledger," Viewing the Data in the Enterprise HRMS Database.

CHAPTER 15

Configuring and Mapping Data in Enterprise Tables

After the initial load of EnterpriseOne master data into Enterprise HCM tables, you must perform additional mapping steps before you can process and publish accounting line data to EnterpriseOne General Ledger. These tasks are documented in the PeopleSoft Enterprise Payroll for North America 8.9 PeopleBook and in the PeopleSoft Enterprise Global Payroll 8.9 PeopleBook.

See Also

PeopleSoft Enterprise Payroll for North America 8.9 PeopleBook, “Administering the Integration with EnterpriseOne General Ledger,” Mapping Cost Centers and Accounts to the Enterprise Payroll for North America System.

PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, “Integrating with PeopleSoft EnterpriseOne General Ledger,” Configuring the Target Product and System.

PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, “Integrating with PeopleSoft EnterpriseOne General Ledger,” Mapping Cost Centers and Accounts.

CHAPTER 16

Using the PeopleSoft Enterprise Payroll to PeopleSoft EnterpriseOne General Ledger Integration

This chapter provides an overview of the posting of accounting lines and discusses how to:

- Retrieve currency exchange rates.
- Prepare and post accounting lines from PeopleSoft Enterprise payroll applications to PeopleSoft EnterpriseOne General Ledger.
- Process PeopleSoft Enterprise payroll data in PeopleSoft EnterpriseOne General Ledger.

Understanding the Posting of Accounting Lines

After you process payroll in the PeopleSoft Enterprise payroll application, you can create the accounting lines and post them as journal entries to PeopleSoft EnterpriseOne General Ledger. A journal entry typically consists of header and line data.

You must first synchronize the market exchange rates between the financials system and the payroll system if your data involves multiple currencies.

The posting framework posts summary GL transactions grouped by GL business unit (Business_Unit_GL). As part of the posting, an Application Engine process prepares the data, creates the message, and publishes to the node that is specified for the GL business unit.

The Integration Server loads the data into the PeopleSoft EnterpriseOne Journal Entry Transactions - Batch File table (F0911Z1). The Integration Server sends a reply message stating whether the transactions sent by the PeopleSoft Enterprise system were successfully posted and loaded into the F0911Z1 table.

After the data has been loaded into the F0911Z1 table, you run a batch process to validate the data and to insert the records into the Account Ledger table (F0911). You then post the transactions from the F0911 table to the Account Balances table (F0902) just as you would post any other transactions.

If the payroll transactions contain errors in the data, you can:

- Manually correct errors in the F0911Z1 table before loading transactions to the F0911 table.
- Purge the F0911Z1 table before loading transactions to the F0911 table, then reset and rerun the PeopleSoft Enterprise Payroll for North America or PeopleSoft Enterprise Global Payroll process to post the transactions to PeopleSoft EnterpriseOne General Ledger.

See [Chapter 17, “Handling Data Errors in Batch Posting,”](#) page 105.

Retrieving Currency Exchange Rates

Currency market rates must be synchronized between the PeopleSoft Enterprise payroll systems and the PeopleSoft EnterpriseOne financial system, which is the master for market rates.

This task is documented in the PeopleSoft Enterprise Payroll for North America 8.9 PeopleBook and in the PeopleSoft Enterprise Global Payroll 8.9 PeopleBook.

See PeopleSoft Enterprise Payroll for North America 8.9 PeopleBook, “Administering the Integration with EnterpriseOne General Ledger,” Retrieving Currency Exchange Rates.

See PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, “Integrating with PeopleSoft EnterpriseOne General Ledger,” Retrieving Currency Exchange Rates.

Preparing and Posting Accounting Lines from PeopleSoft Enterprise Payroll Applications to PeopleSoft EnterpriseOne General Ledger

The process of preparing and posting accounting lines is documented in the PeopleSoft Enterprise Global Payroll 8.9 PeopleBook.

See PeopleSoft Enterprise Global Payroll 8.9 PeopleBook, “Integrating with PeopleSoft EnterpriseOne General Ledger,” Preparing and Posting Accounting Lines from Enterprise Global Payroll to General Ledger.

Processing PeopleSoft Enterprise Payroll Data in PeopleSoft EnterpriseOne General Ledger

This section provides an overview of the PeopleSoft EnterpriseOne General Ledger process for PeopleSoft Enterprise payroll transactions and discusses how to:

- Locate payroll batch transactions in the PeopleSoft EnterpriseOne system.
- Review and revise payroll batch transactions in the PeopleSoft EnterpriseOne system.
- Set processing options for Journal Entries Batch Processor (R09110Z).
- Process PeopleSoft Enterprise payroll batch transactions in the PeopleSoft EnterpriseOne system.
- Post PeopleSoft EnterpriseOne journal entries.

Understanding the PeopleSoft EnterpriseOne General Ledger Process for PeopleSoft Enterprise Payroll Transactions

When you post accounting lines from PeopleSoft Enterprise Payroll for North America or PeopleSoft Enterprise Global Payroll, the PeopleSoft Enterprise system publishes a message with the payroll information needed to create journal entries in PeopleSoft EnterpriseOne General Ledger. These journal entries are in summary rather than detail form.

The Integration Server transforms the message data and inserts the transaction information in the Journal Entry Transactions - Batch File table (F0911Z1). If any errors occur during the table insert, the process is canceled and no data is uploaded to the F0911Z1 table. If the insert is successful, the Integration Server returns a reply status message to the PeopleSoft Enterprise system.

After payroll transaction data has been successfully inserted in the F0911Z1 table, you run the Journal Entries Batch Processor program (R09110Z) to validate and load the transactions into the Account Ledger table (F0911). You then run the General Ledger Post program (R09801) to post the transactions from the F0911 table to the Account Balances table (F0902).

Forms Used to Process PeopleSoft Enterprise Payroll Data in PeopleSoft EnterpriseOne General Ledger

Form Name	FormID	Navigation	Usage
Work With Store & Forward Journal Entries	W0911Z1B	Batch Journal Entry Processing (G09311), Journal Entry Revisions	Locate and review records in the Journal Entry Transactions - Batch File table (F0911Z1).
Store & Forward Journal Entry Revisions	W0911Z1A	Locate a record and click Select on the Work With Store & Forward Journal Entries form.	Review and revise detail information for records in the F0911Z1 table.
Work With Journal Entries	W09111	Journal Entry, Reports, & Inquiries (G0911), Journal Entry	Add, change, delete, or review records in the F0911 table.

Locating Payroll Batch Transactions in the PeopleSoft EnterpriseOne System

Access the Work With Store & Forward Journal Entries form.

Journal Entry Revisions - Work With Store & Forward Journal Entries

Select Find Add Copy Delete Close Row Tools

Batch Number ☐ Processed ☐ Model

From Date Thru Date ☒ Transmission ☐ G/L

Records 1 - 1 [Customize Grid](#)

	User ID	Batch Number	Transaction Number	Transmission Date	G/L Date	Address Number	Total Lines	Total Amount
☒	2006	HCM3746	437	07/22/2005	06/21/2005			

Work With Store & Forward Journal Entries form

- Batch Number** Enter a unique number in the EnterpriseOne system that consists of the prefix HCM followed by a unique number generated by Next Numbers for system 00, line 6.
- Transaction Number** Enter the process instance from the PeopleSoft Enterprise system.
- SP (successfully processed)** This field is set to 0 when the transactions are inserted in the Journal Entry Transactions - Batch File table (F0911Z1), indicating that the transactions have not been written to the Account Ledger table (F0911).
- User ID** Enter the PeopleSoft EnterpriseOne user ID from the Family, Financials, PPI, User ID integration option. This should identify the user who is responsible for performing the import of PeopleSoft Enterprise payroll data into the F0911Z1 table.

Reviewing and Revising Payroll Batch Transactions in the PeopleSoft EnterpriseOne System

Access the Store & Forward Journal Entry Revisions form.

Journal Entry Revisions - Store & Forward Journal Entry Revisions i ?

OK Delete Cancel Form Tools

Batch Control

User ID * 2006 Batch Number * HCM3746 Transaction Number * 437

Doc Type/No/Co TJ 00014 Ledger Type AA ☐ Reverse

G/L Date 06/21/2005 Explanation * HCM||2005-06-21 ☐ Percent

Currency Code USD Exchange Rate Batch Number ☐ Model ☐

Mode D

Records 1 - 3 Customize Grid

	Account Number	Gross Amount	Taxable Amount	Tax	Tx Ex	Tax Area	Track Taxes	Accou Descr
☒	21.4205		20.46-					Accru
☐	21.4205		35.76-					Accru
☐								

Remaining Amount 56.22-

Store & Forward Journal Entry Revisions form

- Doc Type (document type)** Enter the document type from the Family, Financials, PPI, Document Type integration option. The default document type for payroll transactions is *TJ*.
- Ledger Type** For transactions that originate in PeopleSoft Enterprise payroll, the ledger type is always *AA*.
- Explanation** Enter the Journal Line Description from the PeopleSoft Enterprise system.

Account Number The account number is retrieved from the Canonical Key value for the glaaccount key cross-reference, based on the PeopleSoft Enterprise account number of the transaction.

Setting Processing Options for Journal Entries Batch Processor (R09110Z)

Processing options enable you to specify the default processing for programs and reports.

Version

- 1. Journal Entry Version** Specify a version of Journal Entry MBF Processing Options program (P0900049). If you leave this processing option blank, version *ZJDE0001* is used.
- 2. Post Version** Specify a version of the General Ledger Post Report program (R09801) to use to automatically post the journal entries to the Account Balances table (F0902). If you leave this processing option blank, the post is not submitted.

If you leave this processing option blank, you can post the journal entries later using the General Ledger Post Report program (R09801).

Process

- 1. Process Mode** Specify whether to leave this processing option blank to process the batch in proof mode. If you leave this processing option blank, no tables are updated. Enter *1* to process the batch in final mode and update the Account Ledger table (F0911).
- 2. Out of Balance** Specify whether to allow GL transactions that are out of balance to process. (Amounts do not net to zero.) Enter *1* to allow GL transactions that are out of balance to be processed. Leave this processing option blank to prevent transactions that are out of balance from being processed.
- 3. Purge** Specify whether to automatically purge processed transactions from the batch file. Enter *1* to automatically purge processed transactions from the Journal Entry Transactions - Batch File table (F0911Z1). Leave this processing option blank to flag the transactions as processed; these transactions are not purged from the F0911Z1 table.

If you leave this processing option blank, you can purge the transactions later using the Purge Batch Journal Entries program (R0911Z1P).

Messages

- 1. Warning Message** Specify whether to suppress the creation of warning messages in the work center. Enter *1* to suppress warning messages. Leave this processing option blank to enable warning messages.
- 2. Electronic Message** Specify a user to receive electronic messages. If you leave this processing option blank, the user who entered the transactions receives the message in the work center.

Edits

1. Batch Approval

Specify the status to apply to batches created during process. Specify *1* to set the status on all batches created to a status of approved. Leave this processing option blank to set the batch status according to the general accounting constants.

Processing PeopleSoft Enterprise Payroll Batch Transactions in the PeopleSoft EnterpriseOne System

Select Batch Journal Entry Processing (G09311), Journal Entries Batch Processor.

You should run the Journal Entries Batch Processor program (R09110Z) in proof mode to validate the data that was inserted in the Journal Entry Transactions - Batch File table (F0911Z1). Correct any errors in the F0911Z1 table, and then run the Journal Entries Batch Processor program in final mode.

Use data selection based on a range of batch numbers and the transaction number to process the transactions that originated in the PeopleSoft Enterprise payroll system.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SP1 PeopleBook*, “Processing Batch Journal Entries,” Uploading Batch Journal Entry.

Posting PeopleSoft EnterpriseOne Journal Entries

Select Journal Entry, Reports, & Inquiries (G0911), General Ledger Post.

If you did not set the processing options on the Journal Entries Batch Processor program (R09110Z) to post journal entries to the Account Balances table (F0902), run the General Ledger Post program (R09801) to post the journal entries.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SP1 PeopleBook*, “Processing Journal Entries,” Posting Journal Entries.

CHAPTER 17

Handling Data Errors in Batch Posting

This chapter provides an overview of data error handling and discusses how to:

- Correct errors in the Journal Entry Transactions - Batch File table.
- Identify data to be purged and reprocessed.
- Purge the batch of F0911Z1 records.
- Reset and repost the payroll accounting lines.

Understanding Data Error Handling

This section discusses:

- Data error possibilities.
- Data error correction procedures.

Data Error Possibilities

These are some reasons that data error handling would be required:

- The payroll office might discover errors in the accounting lines after posting the data to PeopleSoft EnterpriseOne General Ledger.
- When you run the Journal Entries Batch Processor program (R09110Z) in the PeopleSoft EnterpriseOne system, the system validates the specific combinations of account code and cost center and might detect an invalid account number.

The accounting lines sent to PeopleSoft EnterpriseOne General Ledger from PeopleSoft Enterprise payroll applications contain an account code and a cost center. The PeopleSoft Enterprise account code corresponds to the object and subsidiary in the PeopleSoft EnterpriseOne system, while the PeopleSoft Enterprise cost center corresponds to the PeopleSoft EnterpriseOne company.

Because the account number in the PeopleSoft EnterpriseOne system consists of a combination of the business unit, object, and subsidiary, the combination of the PeopleSoft Enterprise account code and cost center might produce an PeopleSoft EnterpriseOne account number that is invalid.

For example:

- It might use a cost center in the PeopleSoft Enterprise system that does not correspond to a valid PeopleSoft EnterpriseOne company.
- If the PeopleSoft EnterpriseOne company contains two or more accounts with the same object and subsidiary, but different business units, the integration might produce the wrong PeopleSoft EnterpriseOne business unit, object, and subsidiary combination.

Data Error Correction Procedures

When errors are discovered:

- The finance office administrators and payroll office administrators must communicate to coordinate the method of handling the errors and to identify the data to be corrected.
- The payroll office administrators might need to correct errors in the payroll setup.

For example, if the account code and cost center are generating an invalid PeopleSoft EnterpriseOne account number, you might need to book the amounts to a different account code or cost center in the PeopleSoft Enterprise system.

- The finance office administrators might need to redistribute the amount to the correct account in the PeopleSoft EnterpriseOne system.

For example, if the account code and cost center are correct in the PeopleSoft Enterprise system, but amounts are booked to the wrong account number in the PeopleSoft EnterpriseOne system because two or more PeopleSoft EnterpriseOne accounts have the same object and subsidiary, but different business units in the same company.

Errors in the payroll data that has been posted to general ledger can be handled in one of two ways:

- Correct errors in the F0911Z1 table using the Journal Entry Revisions program (P0911Z1).

You can use this method if you have run the Journal Entries Batch Processor program in proof mode and the errors are few enough in number that they can be easily corrected in the F0911Z1 table. After you correct the errors in the F0911Z1 table, run the Journal Entries Batch Process program in proof mode. In this situation, the payroll office administrators should correct the payroll setup so that the same errors do not occur on the next payroll run.

- Purge the batch of F0911Z1 records that contain errors and request the administrators of the PeopleSoft Enterprise payroll application to:
 1. Reset the general ledger posting process.
 2. Correct the errors in the payroll setup.
 3. Rerun general ledger processing and repost the results.

You would use this method if the errors were too numerous to be corrected in the F0911Z1 table.

Correcting Errors in the Journal Entry Transactions - Batch File Table

Use the Journal Entry Revisions program (P0911Z1).

See *PeopleSoft EnterpriseOne General Accounting 8.11 SP1 PeopleBook*, "Processing Batch Journal Entries," Working with Batch Journal Entries.

Identifying Data to be Purged and Reprocessed

If reprocessing of payroll data is required, the finance office administrators and payroll office administrators must communicate to identify the data to be reprocessed. This section discusses how to locate data to be purged or reprocessed:

- When the requirement initiates in the payroll office.
- When the requirement initiates in the finance office.

Finance Office Initiates

If the data correction requirement is initiated in the finance office:

1. The finance office administrator locates the Enterprise process instance ID from the Transaction Number field on the Work With Store & Forward Journal Entries form.

The transaction number on this page is the PeopleSoft Enterprise process instance ID.

2. The finance office administrator communicates the process instance ID number to the payroll office administrator.
3. The payroll office administrator views the GL Transaction Status page for the process instance to determine the affected pay run ID (Payroll for North America) or calendar group ID (Global Payroll).

Payroll Office Initiates

If the data correction requirement is initiated in the payroll office:

1. The payroll office administrator views the GL Transaction Status page to determine the process instance ID associated with the pay run ID (Payroll for North America) or calendar group ID (Global Payroll) that requires reprocessing.
2. The payroll office administrator communicates the process instance ID number to the finance office administrator.
3. The finance office administrator uses the process instance ID number to locate the payroll batch transaction on the Work With Store & Forward Journal Entries form.

The payroll process instance ID is the same as the transaction number in this page.

See Also

Chapter 16, “Using the PeopleSoft Enterprise Payroll to PeopleSoft EnterpriseOne General Ledger Integration,” Locating Payroll Batch Transactions in the PeopleSoft EnterpriseOne System, page 101

Chapter 16, “Using the PeopleSoft Enterprise Payroll to PeopleSoft EnterpriseOne General Ledger Integration,” Preparing and Posting Accounting Lines from PeopleSoft Enterprise Payroll Applications to PeopleSoft EnterpriseOne General Ledger, page 100

Purging the Batch of F0911Z1 Records

Use the Purge Batch Journal Entries program (R0911Z1P).

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Batch Journal Entries,” Purging Processed Batch Journal Entries.

Resetting and Reposting the Payroll Accounting Lines

If the PeopleSoft EnterpriseOne system purges the batch of F0911Z1 records, the PeopleSoft Enterprise payroll application administrator must be notified to reset the general ledger processing and repost the accounting lines.

See Also

Chapter 16, “Using the PeopleSoft Enterprise Payroll to PeopleSoft EnterpriseOne General Ledger Integration,” Preparing and Posting Accounting Lines from PeopleSoft Enterprise Payroll Applications to PeopleSoft EnterpriseOne General Ledger, page 100

PART 5

Integrating PeopleSoft Enterprise CRM Order Capture with the PeopleSoft EnterpriseOne System

Chapter 18

Understanding the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

Chapter 19

Setting Up the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

Chapter 20

Setting Up Prerequisite Data for the CRM Order Capture Integration

Chapter 21

Using the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

CHAPTER 18

Understanding the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

This chapter provides overviews of the:

- Release levels
- Business process
- Integration architecture
- Integration points

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 and PeopleSoft Enterprise 8.9 CRM.

Business Process

You use the PeopleSoft Enterprise CRM Order Capture to PeopleSoft EnterpriseOne integration to transfer order and pricing information from PeopleSoft Enterprise CRM to PeopleSoft EnterpriseOne CRM. The integration synchronizes data and order information between the two systems in realtime.

This integration is useful when you are using both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system and would like to use the PeopleSoft Enterprise CRM solution with the PeopleSoft EnterpriseOne supply chain management and manufacturing solutions.

The major tasks involved in the integration of PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Sales Order Capture are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in PeopleSoft EnterpriseOne customer, contact, and item data with the PeopleSoft Enterprise system.
- Creating a sales order or quote.

1. You create a sales order or quote in the PeopleSoft Enterprise system.
 2. The PeopleSoft Enterprise system sends the sales order or quote to the PeopleSoft EnterpriseOne system.
 3. The system creates a matching sales order or quote order in the PeopleSoft EnterpriseOne system.
- Processing the sales order in the PeopleSoft EnterpriseOne system.

When you change the status of the sales order, the PeopleSoft EnterpriseOne system sends a status update to the PeopleSoft Enterprise system.

- Creating advanced shipment notices.
 1. You create a shipment notice in the PeopleSoft EnterpriseOne system.
 2. The PeopleSoft EnterpriseOne system sends the shipment notice to the PeopleSoft Enterprise system.
 3. The system creates a matching advanced shipment notice in the PeopleSoft Enterprise system.
- Retrieve item availability information.
 1. You initiate a request for item availability information in the PeopleSoft Enterprise system.
 2. The PeopleSoft Enterprise system sends the request to the PeopleSoft EnterpriseOne system, which returns item availability information for viewing in the PeopleSoft Enterprise system.

Integration Architecture

This section discusses the integration architecture for the:

- Sales order creation process.
- Sales quote creation process.
- Sales order status update process.
- Advanced shipment notice process.
- Get item availability process.

Note. The integration architecture for the initial batch load and the incremental synchronization of customer, contact, and item information is discussed in the “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications” chapter of this PeopleBook.

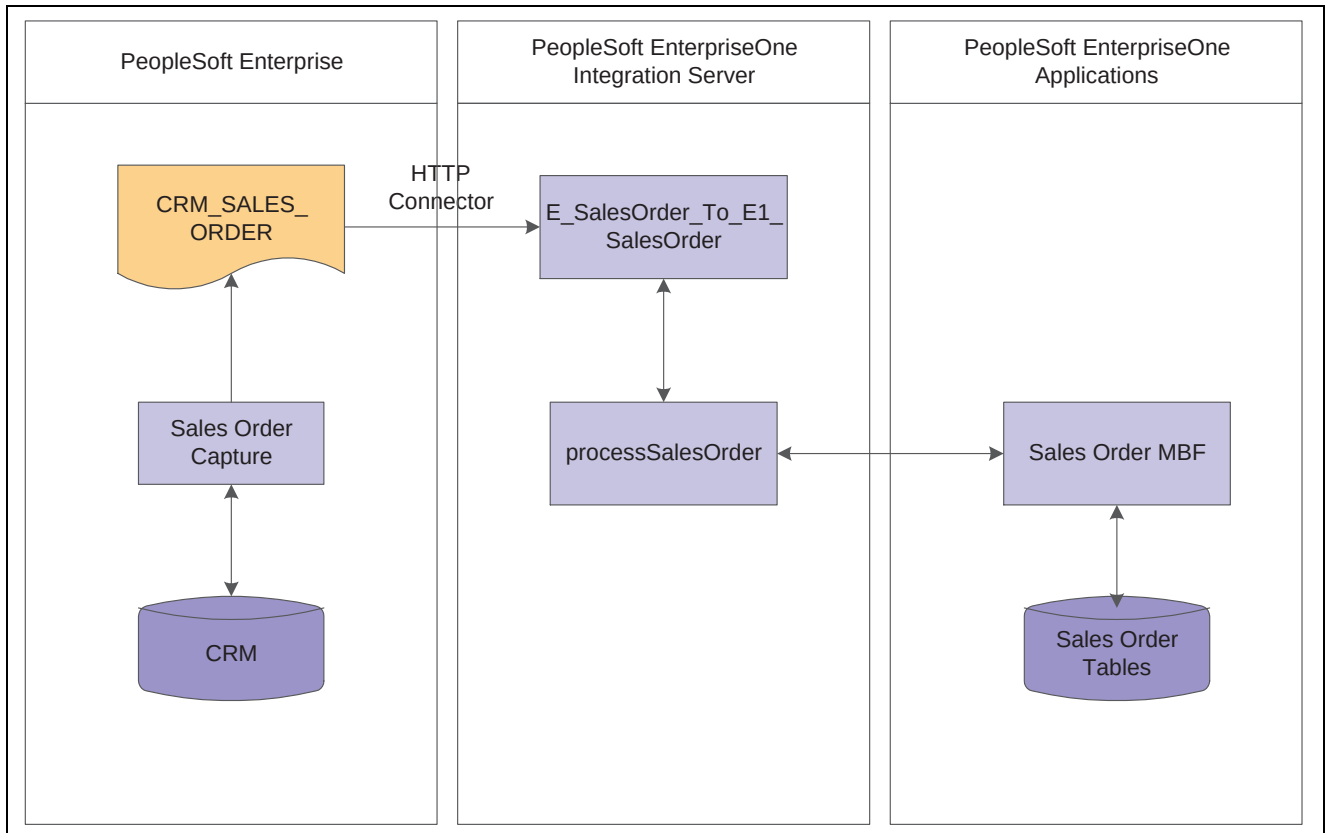
See Also

[Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8](#)

[Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Incremental Synchronizations, page 9](#)

Integration Architecture for the Sales Order Creation Process

This diagram illustrates the process of creating sales orders in the PeopleSoft Enterprise system and creating corresponding sales orders in the PeopleSoft EnterpriseOne system:



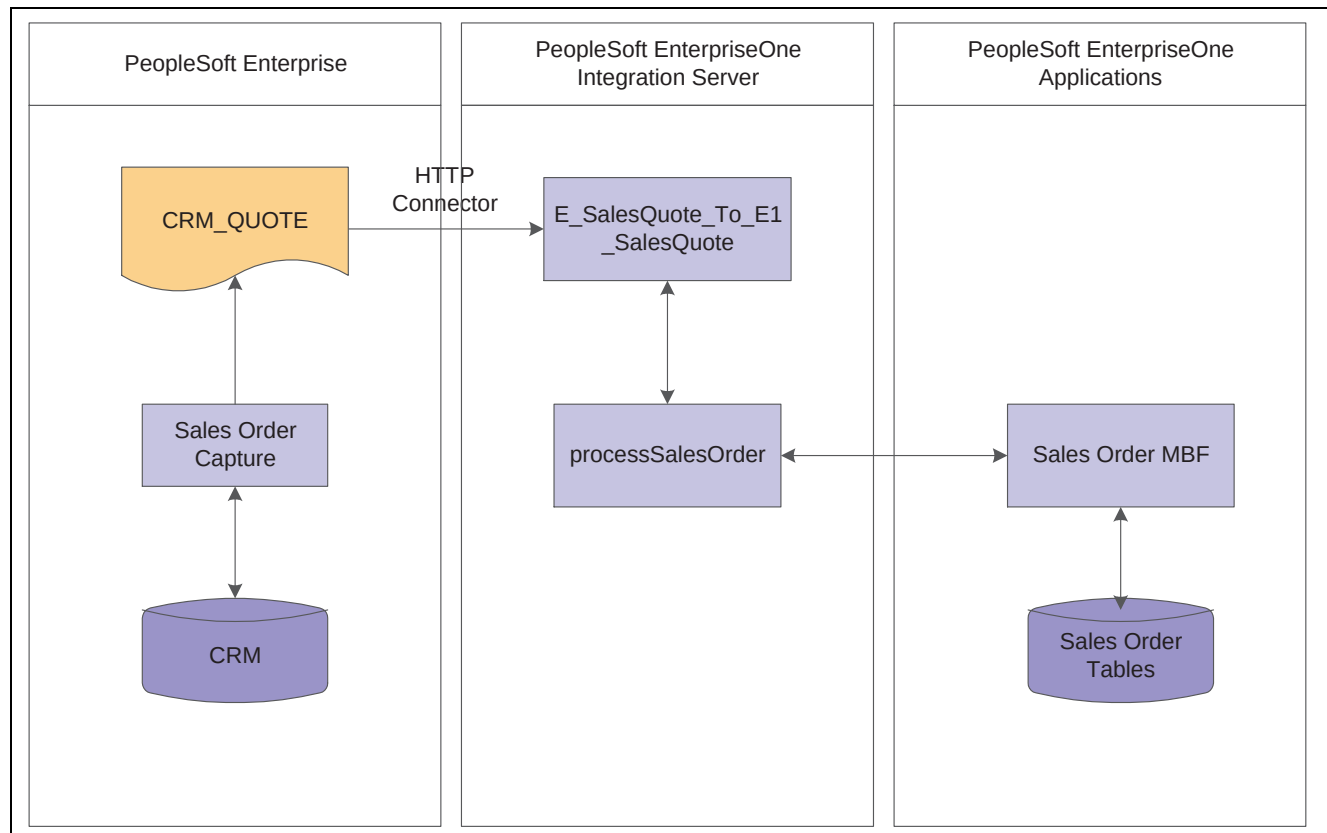
Sales Order Integration Process

Sending sales orders from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these steps:

1. A sales order is created in PeopleSoft Enterprise CRM, which generates the CRM_SALES_ORDER message.
2. The Integration Server is listening for the EIP message, and triggers the E_SalesOrder_To_E1_SalesOrder flow, which invokes the processSalesOrder interface flow.
3. The processSalesOrder interface flow creates a sales order in the PeopleSoft EnterpriseOne system.

Integration Architecture for the Sales Quote Creation Process

This diagram illustrates the process of creating quote orders in the PeopleSoft Enterprise system and creating corresponding quote orders in the PeopleSoft EnterpriseOne system:



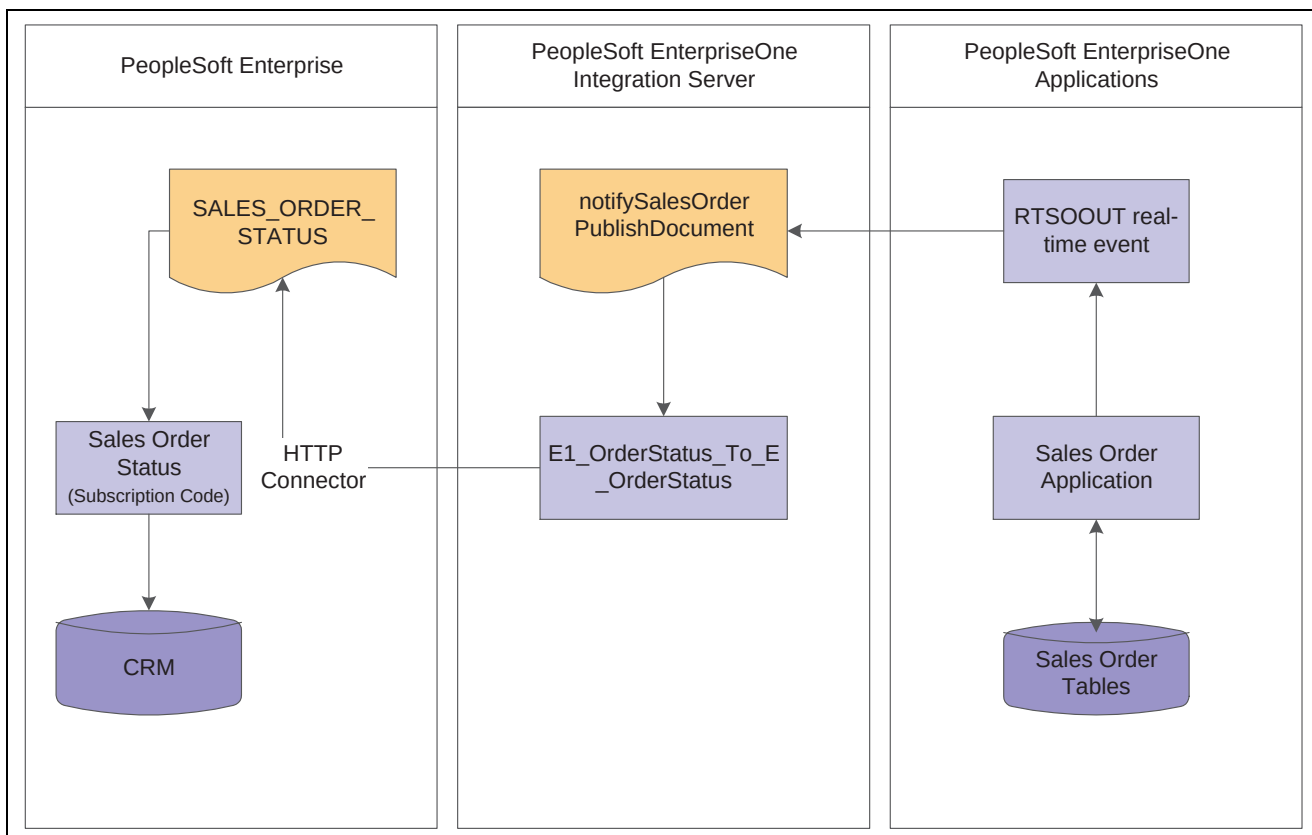
Quote to Sales Order Process

Sending quotes from the PeopleSoft Enterprise system to create sales orders in the PeopleSoft EnterpriseOne system consists of these steps:

1. A quote is created in PeopleSoft Enterprise CRM, which generates the CRM_QUOTE message.
2. The Integration Server is listening for the EIP message, and triggers the E_SalesQuote_To_E1_SalesQuote flow, which invokes the processSalesOrder interface flow.
3. The processSalesOrder interface flow creates a quote order in the PeopleSoft EnterpriseOne system.

Integration Architecture for the Sales Order Status Update Process

This diagram illustrates the process of sending sales order status updates from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:



Sales Order Status Process

Sending sales order status updates from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system consists of these steps:

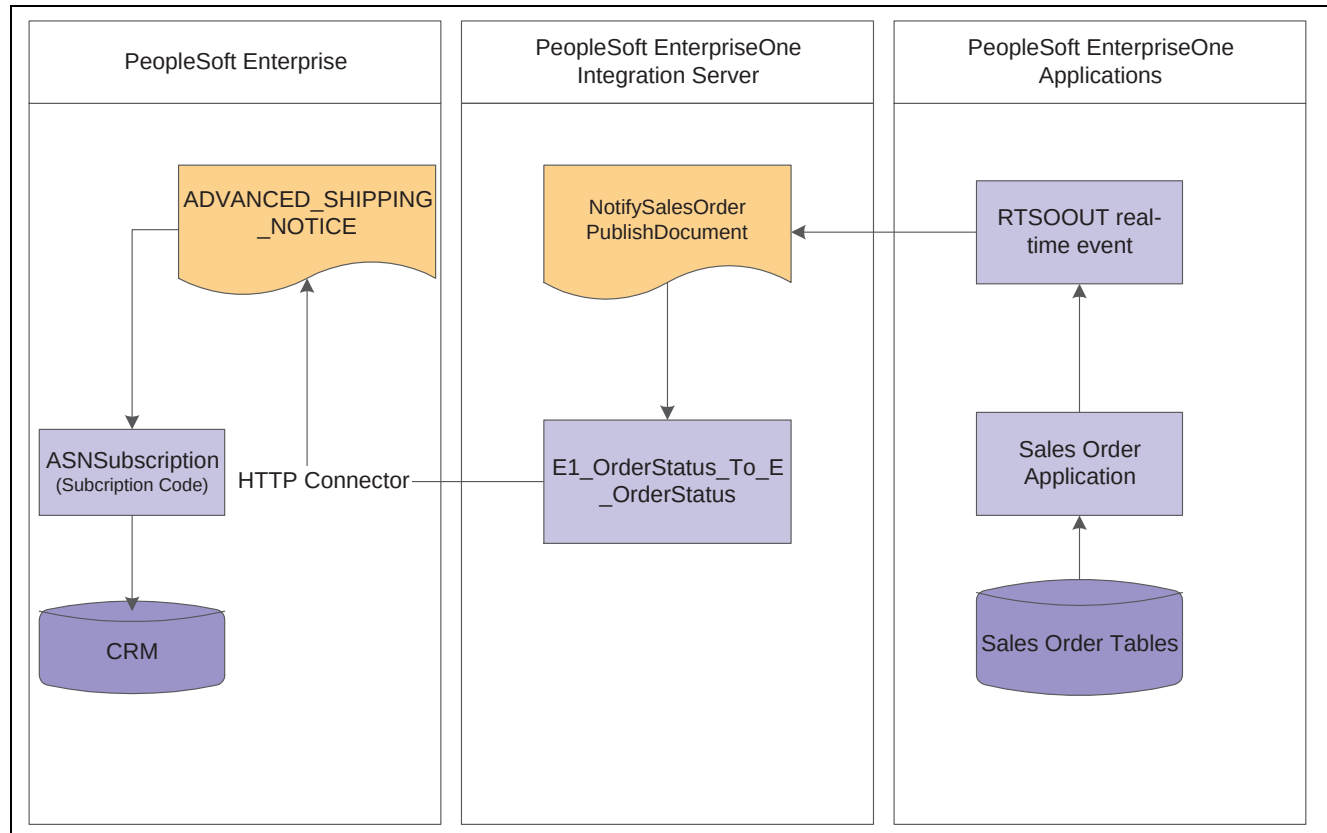
1. A status change takes place in the PeopleSoft EnterpriseOne system and triggers the RTSOOUT realtime event, which generates the notifySalesOrderPublish Document adapter notification service.
2. The Integration Server is listening for the adapter notification service, and triggers the E1_OrderStatus_To_E_OrderStatus flow, which generates the SALES_ORDER_STATUS message and sends it to the PeopleSoft Enterprise Integration Broker using the dispatcher.

Note. The E1_OrderStatus_To_E_OrderStatus flow can generate the SALES_ORDER_STATUS message or the ADVANCED_SHIPPING_NOTICE message or both depending on the data in the RTSOOUT realtime event.

3. The Integration Broker is listening for messages to automatically update statuses.

Integration Architecture for the Advanced Shipment Notice Process

This diagram illustrates the process of sending advanced shipment notices from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:



Advanced Shipment Notice Process

Sending advanced shipment notices from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system consists of these steps:

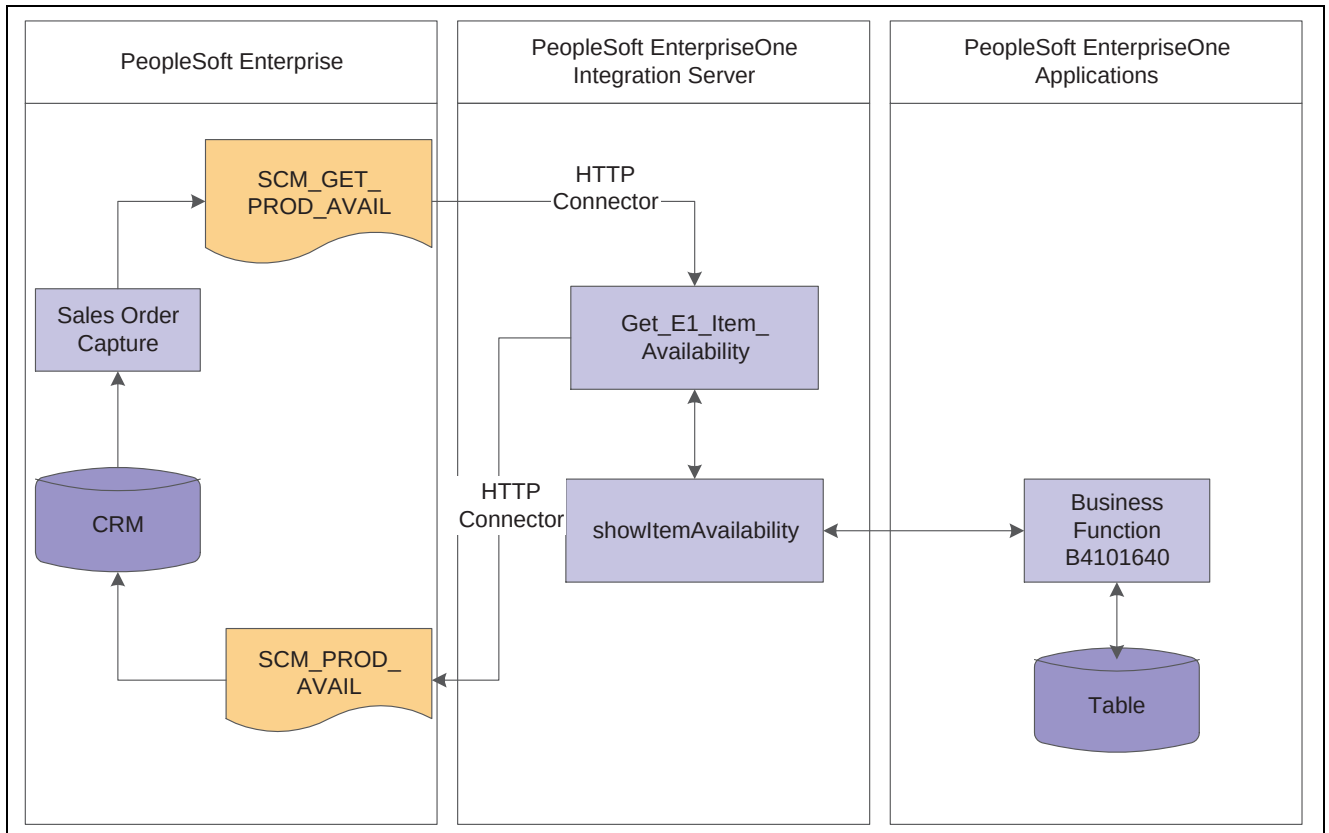
1. A PeopleSoft EnterpriseOne user runs the Shipment Confirmation program (R4205) to verify that the inventory has left the warehouse, which triggers the RTSOOUT realtime event, which generates the NotifySalesOrderPublishDocument adapter notification service.
2. The Integration Server is listening for the adapter notification service, and triggers the E1_OrderStatus_To_E_OrderStatus flow, which generates the ADVANCED_SHIPPING_NOTICE message and sends it to the PeopleSoft Enterprise Integration Broker using the dispatcher.

Note. The E1_OrderStatus_To_E_OrderStatus flow can generate the SALES_ORDER_STATUS message or the ADVANCED_SHIPPING_NOTICE message or both depending on the data in the RTSOOUT realtime event.

3. The Integration Broker uses the message to create a corresponding shipment record in the PeopleSoft Enterprise system.

Integration Architecture for the Get Item Availability Process

This diagram illustrates the process of retrieving item availability information from the PeopleSoft EnterpriseOne system in the PeopleSoft Enterprise system:



Get Item Availability Integration Process

The retrieval of item availability information from the PeopleSoft EnterpriseOne system is initiated manually in the PeopleSoft Enterprise system and consists of:

1. An Enterprise user requests item information from the PeopleSoft EnterpriseOne system, which publishes the SCM_GET_PROD_AVAIL message.
2. The Integration Server is listening for the EIP message and triggers the Get_E1_Item_Availability flow, which invokes the getItemAvailability interface flow to request item availability information from the PeopleSoft EnterpriseOne system.
3. The getItemAvailability interface flow returns item availability information back to the Get_E1_Item_Availability flow.
4. The Get_E1_Item_Availability flow generates the SCM_PROD_AVAIL message and sends it to the Integration Broker using the dispatcher.
5. The Integration Broker uses the message to display item availability information in the PeopleSoft Enterprise system.

Integration Points

This section lists integration points for:

- Initial batch loads
- Incremental synchronizations

- Transactions

Integration Points for Initial Batch Loads

This table lists the integration points used by the CRM Order Capture integration for the initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Flow	PeopleSoft EnterpriseOne Object/Event	Description
CUST_COMPANY_FULLSYNC CUST_SITE_FULLSYNC	E1_Customer_To_E_Company_And_Site	Customer Master Batch Load (R8903F0301)	Batch load of customers from the PeopleSoft EnterpriseOne system to companies and sites in the PeopleSoft Enterprise system.
CONTACT_FULLSYNC_EFF	E1_Contact_To_E_Contact	Contacts Batch Load (R8901F0111)	Batch load of contacts (who's who information) from the PeopleSoft EnterpriseOne system to contacts in the PeopleSoft Enterprise system.
ITEM_CRM_FULLSYNC_EFF PRODUCT_FULLSYNC	E1_Item_To_E_Item_Product	Item Master Batch Load (R8941F4101)	Batch load of items from the PeopleSoft EnterpriseOne system to items and products in the PeopleSoft Enterprise system.
PRODUCT_FULLSYNC	E1_List_Price_To_E_Product	Item Base Price Batch Load (R8945F4106)	Batch load of base prices from the PeopleSoft EnterpriseOne system to items and products in the PeopleSoft Enterprise system.

Integration Points for Incremental Synchronizations

This table lists the integration points used by the CRM Order Capture integration for the incremental synchronization of data between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
CUST_COMPANY_SYNC	E1_Customer_To_E_Company	notifyCustomer PublishDocument	Incremental synchronization of customers from the PeopleSoft EnterpriseOne system to companies in the PeopleSoft Enterprise system.
CUST_SITE_SYNC	E1_Customer_To_E_Site	notifyCustomer PublishDocument	Incremental synchronization of customers from the PeopleSoft EnterpriseOne system to sites in the PeopleSoft Enterprise system.
CUST_COMPANY_SYNC	E_Company_To_E1_Customer	processCustomer	Incremental synchronization of companies from the PeopleSoft Enterprise system to customers in the PeopleSoft EnterpriseOne system.
CUST_SITE_SYNC	E_Site_To_E1_Customer	processCustomer	Incremental synchronization of sites from the PeopleSoft Enterprise system to customers in the PeopleSoft EnterpriseOne system.
CONTACT_SYNC	E_Contact_To_E1_Contact	processContact	Incremental synchronization of contacts from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
ITEM_CRM_SYNC_EFF PROD_SYNC	E1_Item_To_E_Item_Product	notifyItemMasterEvent PublishDocument	Incremental synchronization of items from items from the PeopleSoft EnterpriseOne system to items and products in the PeopleSoft Enterprise system.
PRODUCT_SYNC	E1_List_Price_To_E_Product	notifySalesListPrice PublishDocument	Incremental synchronization of base prices from the PeopleSoft EnterpriseOne system to items and products in the PeopleSoft Enterprise system.

Integration Points for Transactions

This table lists the integration points used by the CRM Order Capture integration for the transfer of transactional data between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
CRM_SALES_ORDER	E_SalesOrder_To_E1_SalesOrder	processSalesOrder	Sends a sales order from PeopleSoft Enterprise CRM Order Capture to the PeopleSoft EnterpriseOne system and creates a corresponding sales order in the PeopleSoft EnterpriseOne system.
CRM_QUOTE	E_SalesQuote_To_E1_SalesQuote	processSalesOrder	Sends a quote from PeopleSoft Enterprise CRM Order Capture to the PeopleSoft EnterpriseOne system and creates a corresponding quote order in the PeopleSoft EnterpriseOne system.
SALES_ORDER_STATUS	E1_OrderStatus_To_E_OrderStatus	notifySalesOrder PublishDocument	Sends a sales order status update from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
ADVANCED_SHIPPING_NOTICE	E1_OrderStatus_To_E_OrderStatus	notifySalesOrder PublishDocument	Sends a sales order shipment notice from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM.
SCM_GET_PROD_AVAIL	Get_E1_Item_Availability	getItemAvailability	Process the request and response on the item availability information from the PeopleSoft EnterpriseOne system in the PeopleSoft Enterprise system.

CHAPTER 19

Setting Up the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

This chapter discusses how to:

- Set up the CRM Order Capture integration in PeopleSoft Enterprise CRM.
- Set up the CRM Order Capture integration in the PeopleSoft EnterpriseOne Integration Server.

Setting Up the CRM Order Capture Integration in PeopleSoft Enterprise CRM

This section lists prerequisites and discusses how to:

- Activate message channels for the CRM Order Capture integration.
- Activate messages for the CRM Order Capture integration.
- Set up integration transactions for the CRM Order Capture integration.
- Activate message subscriptions for the CRM Order Capture integration.
- Set up outbound customer messages.
- Set up the fulfillment node.
- Set up header status mappings for the fulfillment node.
- Set up line status mappings for the fulfillment node.

Note. You must also set up auto numbering in the PeopleSoft Enterprise Web application for sales orders, sales quotes and copied orders. The integration supports only Order Capture IDs that are generated with auto numbering.

See *PeopleSoft Enterprise CRM 8.9 Order Capture Applications PeopleBook*

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in PeopleSoft Enterprise CRM:

- Set up the local gateway in the PeopleSoft CRM database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Pages Used to Set Up the CRM Order Capture Integration in PeopleSoft Enterprise CRM

Access this page in the PeopleSoft Enterprise CRM database.

Page Name	Object Name	Navigation	Usage
Market Installation Options	RB_MKT_CTL_TBL	Set Up CRM, Install, Market Installation Options	Set up customer and site messages outbound from CRM.
Integration Definitions	RO_DEFN_INTEGRATE	Set Up CRM, Product Related, Order Capture, Integration Workbench	Set up the PeopleSoft EnterpriseOne system as the fulfillment node.
Header Status Mappings	RO_DEFN_HDSTMAP	Click the Header Status Mappings link on the Integration Definitions page.	Set up header status mappings for the fulfillment node.
Line Status Mappings	RO_DEFN_LNSTMAP	Click the Line Status Mappings link on the Integration Definitions page.	Set up line status mappings for the fulfillment node.

Activating Message Channels for the CRM Order Capture Integration

Verify that these message channels listed have a message channel status of *Run*:

- ADVANCED_SHIPPING_NOTICE
- CRM_ORDER_STATUS
- CUSTOMER
- PRODUCT
- ITEM_MAINTENANCE_CRM_EFF
- SALES_ORDER_LOAD
- SALES_ORDER_STATUS
- PROCESS_SCHEDULER

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the CRM Order Capture Integration

Verify that these messages are active:

- ADVANCED_SHIPPING_NOTICE
- CONTACT_FULLSYNC_EFF
- CONTACT_SYNC
- CRM_QUOTE
- CRM_SALES_ORDER
- CUST_COMPANY_FULLSYNC
- CUST_COMPANY_SYNC
- CUST_SITE_FULLSYNC
- CUST_SITE_SYNC
- ITEM_CRM_FULLSYNC_EFF
- ITEM_CRM_SYNC_EFF
- PRODUCT_FULLSYNC
- PRODUCT_SYNC
- SALES_ORDER_STATUS
- SCM_GET_ORD_STATUS
- SCM_GET_PROD_AVAIL

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Note. You must ensure that the process scheduler is running in order to publish a sales order or quote message for integration. You must also ensure that the Sold To customer and Sold To contact have primary email addresses specified on the Customer and Contact pages.

Setting Up Integration Transactions for the CRM Order Capture Integration

You must activate these nodes and their associated transactions:

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	ADVANCED_SHIPPING_NOTICE	VERSION_1	InAsync	N/A
PSFT_E1	CONTACT_FULLSYNC_EFF	VERSION_RB_1	InAsync	N/A
PSFT_E1	CONTACT_SYNC	VERSION_RB_1	OutAsync	Implicit
PSFT_E1	CRM_QUOTE	VERSION_1	OutAsync	Implicit
PSFT_E1	CRM_SALES_ORDER	VERSION_1	OutAsync	Implicit

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	CUST_COMPANY_FULLSYNC	VERSION_STD	InAsync	N/A
PSFT_E1	CUST_COMPANY_SYNC	VERSION_STD	InAsync	N/A
PSFT_E1	CUST_COMPANY_SYNC	VERSION_STD	OutAsync	Implicit
PSFT_E1	CUST_SITE_FULLSYNC	VERSION_STD	InAsync	N/A
PSFT_E1	CUST_SITE_SYNC	VERSION_STD	OutAsync	Implicit
PSFT_E1	CUST_SITE_SYNC	VERSION_STD	InAsync	N/A
PSFT_E1	ITEM_CRM_FULLSYNC_EFF	VERSION_1	InAsync	N/A
PSFT_E1	ITEM_CRM_SYNC_EFF	VERSION_1	InAsync	N/A
PSFT_E1	PRODUCT_FULLSYNC	VERSION_1	InAsync	N/A
PSFT_E1	PRODUCT_SYNC	VERSION_1	InAsync	N/A
PSFT_E1	SALES_ORDER_STATUS	VERSION_1	InAsync	N/A
PSFT_E1	SCM_GET_PROD_AVAIL	VERSION_1	OutSync	Implicit

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Activating Message Subscriptions for the CRM Order Capture Integration

Verify that these message subscriptions are active:

EIP Message	Subscription Name
ADVANCED_SHIPPING_NOTICE	ASNSubscription
CONTACT_FULLSYNC_EFF	ContactFullSync
CONTACT_SYNC	ContactSync
CUST_COMPANY_FULLSYNC	CustCompanyFullSync
CUST_COMPANY_SYNC	CustCompanySync

EIP Message	Subscription Name
CUST_SITE_FULLSYNC	CustSiteFullSync
CUST_SITE_SYNC	CustSiteSync
ITEM_CRM_FULLSYNC_EFF	ItemCRMFullSyncEffSub
ITEM_CRM_SYNC_EFF	ItemCRMSyncEffBODSub
PRODUCT_FULLSYNC	ProductFullSync
PRODUCT_SYNC	ProdSync2
SALES_ORDER_STATUS	SalesOrderStatus

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.](#)

Setting Up Outbound Customer Messages

Access the Market Installation Options page.

Market Installation Options

Market: Global

Market Installation Options Customize Find First 1-2 of 2 Last

*Market Control Code	Description	Option Activated		
CDMINTFC	CDM Interface Records	☒	+	-
CRCARD	Credit Card Information	☐	+	-

Save Return to Search Add Update/Display

Market Installation Options page

1. Search and select the Market value *Global*.
2. Select the Option Activated check box for CDM Interface Records.
3. Click Save.

Setting Up the Fulfillment Node

Access the Integration Definitions page.

Integration Definitions

Workbench

Save | Refresh | Clone | Search | Next | Previous | Workbench | Personalize

Description

SHARE Integration values

SetID

SHARE

This workbench allows users to view a summary of all the integration tables required for the Order Capture application. Click the details link to add or update specific setup data.

Workbench Details

*Description

SHARE Integration values

*Status Refresh Interval

60

*Fulfillment Node

PSFT_E1

Workbench Steps

Details	Progress
1: Integration Definitions	4 of 4 required fields completed.
2: Header Status Mappings	9 Header Status Mappings
3: Line Status Mappings	27 Line Status Mappings
4: Source Mappings	1 Source Mappings

Modified

06/01/2005 9:31AM PDTPS

Integration Definitions page

Fulfillment Node Enter *PSFT_E1*.

Setting Up Header Status Mappings for the Fulfillment Node

Access the Header Status Mappings page.

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Integration Definitions

Header Status Mappings

Workbench

Save | Refresh | Clone | Search | Next | Previous | Workbench | Personalize

Description SHARE Integration values **SetID** SHARE

Header Status Mappings

Customize | Find | First 1-9 of 9 Last

	Node Name	External Status	*CRM Status	Description	*Partial Status	Description		
1	PSFT_E1	C	6000	Complete	6000	Complete	+	-
2	PSFT_E1	H	3500	Fulfillment Hold	3500	Fulfillment Hold	+	-
3	PSFT_E1	O	2000	In Fulfillment	2000	In Fulfillment	+	-
4	PSFT_E1	X	1	Canceled	1	Canceled	+	-
5	PSFT_EP	C	6000	Complete	6000	Complete	+	-
6	PSFT_EP	H	3500	Fulfillment Hold	3500	Fulfillment Hold	+	-
7	PSFT_EP	O	2000	In Fulfillment	2000	In Fulfillment	+	-
8	PSFT_EP	P	500	New	500	New	+	-
9	PSFT_EP	X	1	Canceled	1	Canceled	+	-

Header Status Mappings page

Set up the header status mappings for the PSFT_E1 node as shown in this table:

External Status	CRM Status	Partial Status
C	6000	6000
H	3500	3500
O	2000	2000
X	1	1

Setting Up Line Status Mappings for the Fulfillment Node

Access the Line Status Mappings page.

Integration Definitions

Line Status Mappings

Workbench

Save Refresh Clone Search Next Previous Workbench Personalize

Description SHARE Integration values SetID SHARE

Line Status Mappings Customize Find First 1-27 of 27 Last

	Node Name	External Status	*CRM Status	Description	*Partial Status	Description		
1	PSFT_E1	B	2000	Backordered	2100	Partially Backordered	+	-
2	PSFT_E1	C	6000	Shipped	6100	Partially Shipped	+	-
3	PSFT_E1	H	3500	Fulfillment Hold	3500	Fulfillment Hold	+	-
4	PSFT_E1	K	5000	Picked	5100	Partially Picked	+	-
5	PSFT_E1	O	4000	In Fulfillment	4100	Partially In Fulfillment	+	-
6	PSFT_E1	S	6000	Shipped	6100	Partially Shipped	+	-
7	PSFT_E1	X	1	Canceled	1	Canceled	+	-

Line Status Mappings page

Set up the line status mappings for the PSFT_E1 node as shown in this table:

External Status	CRM Status	Partial Status
B	2000	2100
C	6000	6100
H	3500	3500
K	5000	5100
O	4000	4100
S	6000	6100
X	1	1

Setting Up the CRM Order Capture Integration in the Integration Server

This section lists a prerequisite and discusses how to:

- Set up adapter services for the CRM Order Capture integration.
- Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the CRM Order Capture integration.
- Set up integration options for the CRM Order Capture integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener. Enabling the adapter consists of enabling the PeopleSoft EnterpriseOne connection and the corresponding Events connection.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21.](#)

Setting Up Adapter Services for the CRM Order Capture Integration

You must supply connection properties for PSFT_CRM_JDBCAdapterServices. This service allows the integration to perform queries on the PeopleSoft Enterprise database.

You must also supply connection properties for PSFT_JDBCAdapterServices. This service allows the integration to perform queries on the PeopleSoft EnterpriseOne WSG Cross-Reference database.

See *PeopleSoft EnterpriseOne 8.95 Web Services Gateway Installation and Setup Guide*

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the CRM Order Capture Integration

Enable the Listener and these Listener Notifications within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.Inventory:notifyItemMasterEvent
- AdapterServices.Notification.Sales:notifySalesListPrice
- AdapterServices.Notification.Customer:notifyCustomer
- AdapterServices.Notification.Sales:notifySalesOrder

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the CRM Order Capture Integration

This section lists integration options used by multiple integration points as well as the integration options for these integration points:

- Customers, companies, and sites.
- Contacts
- Inventory information.
- Get item availability transaction.
- Sales quote transaction.
- Sales order transaction.
- Order status transaction.

Integration Options Used by Multiple Integration Points

Multiple integration points used in the CRM Order Capture integration require these integration options:

Navigation	Integration Option	Usage
PSFT_Dispatcher.Outbound	Address for Transport	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). The system uses the value from this integration option if the Transaction Transport Address option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport address at this level (PPI) so that you don't have to set it for each flow. This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_Dispatcher.Outbound	Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The system uses the value from this integration option if the Transaction Transport option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport at this level (PPI) so that you don't have to set it for each flow. The default value is <i>http</i>.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_HR</i>. This value is used only when sending a message to PeopleSoft Enterprise. For flows that originate in PeopleSoft Enterprise, this value is used to send a success or error response back to PeopleSoft Enterprise.
PSFT_EnterpriseOne_CRM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Customers, Companies, and Sites

The integration options in this section are used by the one or more of these flows:

- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Customer/E1_Customer_To_E_Company_And_Site
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Company_To_E1_Customer
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Site_To_E1_Customer
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E1_Customer_To_E_Company
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E1_Customer_To_E_Site

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	AddressCMPurposeType	Specify the address purpose type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 43. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM type	Specify the address type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>I</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address Sub Type	Specify the type of record to process in PeopleSoft Enterprise CRM. PeopleSoft Enterprise CRM requires an address type, which is used internally. The default value is <i>ADDR</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Company_To_E1_Customer PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Site_To_E1_Customer	Address Book MBF Processing Version	Specify the version of the Address Book MBF program (P0100041) to use when creating address book records in the PeopleSoft EnterpriseOne system from PeopleSoft Enterprise company records. The default value is <i>ZJDE0001</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs	Company	Specify the default company to send from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM. This value is required because this integration does not support line of business. The default value is <i>00000</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Company Search Type	Specify the search type used in the PeopleSoft EnterpriseOne system to identify companies in the Address Book. The default value is <i>C</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Site_To_E1_Customer	Customer Master MBF Version	Specify the version of the Customer Master MBF - PO program (P0100042) to use when creating customer records in the PeopleSoft EnterpriseOne system from PeopleSoft Enterprise company records. The default value is <i>ZJDE0001</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Default Company SetID	Specify the default setID for company entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Default Currency Code	Specify the currency code to send to PeopleSoft Enterprise CRM when a customer is added or changed in the PeopleSoft EnterpriseOne system and the currency code for that customer is blank. PeopleSoft Enterprise CRM requires a currency code. The default value is <i>USD</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Directory From Location - E1	Specify the directory that contains the f03012batchload.txt file that is generated by the Customer Master Batch Load program (R8903F0301). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Email CM type	Specify the email type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>4</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Name Type	Specify the primary name type for companies or sites in PeopleSoft Enterprise CRM. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>PREFERRED</i>. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Phone CM type	Specify the phone type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 2. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id 1 for Adding Company	Specify the type of record to process for companies in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM and applies to Company and Site records. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 40. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id Customer	Specify the type of record to process for customers in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM so that PeopleSoft EnterpriseOne customer records can be processed in PeopleSoft Enterprise CRM as companies. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 2. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id Site	Specify the type of record to process for sites in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM so that PeopleSoft EnterpriseOne customer records can be processed in PeopleSoft Enterprise CRM as sites. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 3. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, Bill To	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 43. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, Ship To	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 41. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, SoldTo	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 42. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Site Search Type	Specify the search type used in the PeopleSoft EnterpriseOne system to identify sites in the Address Book. The default value is <i>ST</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Contacts

The integration options in this section are used by the one or more of these flows:

- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Customer/E1_Contact_To_E_Contact
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E1_Contact_To_E_Contact
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Contact_To_E1_Contact

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM Purpose Type	Specify the address purpose type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>43</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM type	Specify the address type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>1</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Default Contact SetID	Specify the default setID for contacts. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Directory From Location - E1	Specify the directory that contains the f0111batchload.txt file that is generated by the Contacts Batch Load program (R8901F0111). This value is an example: <i>\\machine\pyexport</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Email CM type	Specify the email type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>4</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Name Type	Specify the primary name type for companies or sites in PeopleSoft Enterprise CRM. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>PREFERRED</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Phone CM type	Specify the phone type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>2</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Repeat Count for Contacts	Specify the number of times that the integration will retry to send contact information when both a company and contact are added in PeopleSoft Enterprise CRM. When both a company and contact are added, the flow needs to wait to add the contact until the customer is added in the PeopleSoft EnterpriseOne system.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Role Type Id - Contact	Specify the role type for contacts as defined in PeopleSoft Enterprise CRM.
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Wait Time for Contact (in seconds)	Specify a timeout value in seconds that the integration will wait before trying to resend contact information when both a company and contact are added in PeopleSoft Enterprise CRM. When both a company and contact are added, the flow needs to wait to add the contact until the customer is added in the PeopleSoft EnterpriseOne system.

Inventory Information

The integration options in this section are used by the one or more of these flows:

- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Inventory/E1_Item_To_E_Item_Product
- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Inventory/E1_List_Price_To_E_Product
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Inventory/E1_Item_To_E_Item_Product
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Inventory/E1_List_Price_To_E_Product

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM	Default SetID	Specify the default setID for item product entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_Item_To_E_Item_Product PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_List_Price_To_E_Product	Directory From Location - E1	Specify the directory that contains the f41011batchload.txt file that is generated by the Item Master Batch Load program (R8941F4101). This value is an example: \\machine\pyexport.
PSFT_EnterpriseOne_CRM	List Price Product SetID	Specify the default setID for list price product entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM	Number of repeat tries	Specify the number of times that the integration will retry to send product price information after sending product unit of measure information. The product unit of measure information must be received before the product price information can be sent.
PSFT_EnterpriseOne_CRM	Number of seconds to wait before next repeat	Specify a timeout value in seconds that the integration will wait before trying to resend send product price information after sending product unit of measure information. The product unit of measure information must be received before the product price information can be sent.
PSFT_EnterpriseOne_CRM	Processing Version E1	Specify the version of the Item Master application (P4101) add items in the PeopleSoft EnterpriseOne system. The default value is <i>ZJDE0001</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_Item_To_E_Item_Product PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_List_Price_To_E_Product	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_Item_To_E_Item_Product PSFT_EnterpriseOne_CRM, InitialBatchLoads, Inventory, E1_List_Price_To_E_Product	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_CRM	Valid Stocking Types for Products only	Specify the stocking types for sellable products that are not inventoried in the PeopleSoft EnterpriseOne system. List stocking types separated by the pipe symbol ().
PSFT_EnterpriseOne_CRM	Valid Stocking Type for Items/Products	Specify the stocking types for sellable items with related products that are inventoried in EnterpriseOne. List stocking types separated by the pipe symbol (). This value is an example: <i>S P N</i>
PSFT_EnterpriseOne_CRM	Wait Time for Product Batch Loads (in seconds)	Specify the number of seconds that the integration will wait before trying to send product information after sending item information from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM. The item information must be received before the product information can be sent. The default value is <i>60</i> .

Get Item Availability Transaction

The integration options in this section are used by the PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Inventory/Get_E1_Item_Availability flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Inventory: Get_E1_Item_Availability	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Inventory: Get_E1_Item_Availability	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Sales Quote Transaction

The integration option in this section is used by the PSFT_EnterpriseOne_CRM.RealTimeDataSyncs.OrderManagement.E_SalesQuote_To_E1_SalesQuote flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E_SalesQuote_To_E1_SalesQuote	Processing Version E1	Specify the version of the Sales Order Entry program (P4210) to use in the PeopleSoft Enterprise system for quote orders that originate in PeopleSoft Enterprise CRM. The default value is <i>ZJDE0003</i> .

Sales Order Transaction

The integration option in this section is used by the PSFT_EnterpriseOne_CRM.RealTimeDataSyncs.OrderManagement.E_SalesOrder_To_E1_SalesOrder flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E_SalesOrder_To_E1_SalesOrder	Processing Version E1	Specify the version of the Sales Order Entry program (P4210) to use in the PeopleSoft EnterpriseOne system for sales orders that originate in PeopleSoft Enterprise CRM. The default value is <i>ZJDE0003</i> .

Order Status Transaction

The integration options in this section are used by the PSFT_EnterpriseOne_CRM.RealTimeDataSyncs.OrderManagement.E1_OrderStatus_To_E_OrderStatus flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E1_OrderStatus_To_E_OrderStatus	Set ID - E	Specify the default setID for sales orders. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E1_OrderStatus_To_E_OrderStatus	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E1_OrderStatus_To_E_OrderStatus	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, OrderManagement, E1_OrderStatus_To_E_OrderStatus	Hold Code Status E	Specify the status to assign to sales orders in the PeopleSoft EnterpriseOne system to sales orders that have a hold status in PeopleSoft Enterprise CRM. The default value is <i>H</i> .

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 20

Setting Up Prerequisite Data for the CRM Order Capture Integration

This chapter discusses how to:

- Set up manual data for the CRM Order Capture integration.
- Load master data for the CRM Order Capture integration.
- Set up cross-references for the CRM Order Capture integration.

Setting Up Manual Data for the CRM Order Capture Integration

You must manually set up specific corresponding data in both PeopleSoft EnterpriseOne and in PeopleSoft Enterprise CRM.

Setting Up Manual Data in PeopleSoft Enterprise CRM

Enter these PeopleSoft EnterpriseOne code values manually in PeopleSoft Enterprise CRM:

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Industries	Set Up CRM, Common Definitions, Customer, Industries	Standard Industry Code	User defined code table 01/SC
Currency Codes	Set Up CRM, Common Definitions, Currency, Currency Code	Currency Codes	Currency Codes table (F0013)
States	Set Up CRM, Common Definitions, Location, State	State and Province Codes	User defined code table 00/S
Regions	Set Up CRM, Common Definitions, Location, Region Codes	County Codes	User defined code table 00/CT
Countries	Set Up CRM, Common Definitions, Location, Country	Country Codes	User defined code table 00/CN
Units of Measure	Items CRM, Units of Measure	Units of Measure	User defined code table 00/UM

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Stock Types	Items CRM, Stock Types	Stocking Type Codes	User defined code table 41/I
Payment Terms	Set Up CRM, Common Definitions, Customer, Payment Terms	Payment Terms	Payment Terms table (F0014)

Setting Up Manual Data in PeopleSoft EnterpriseOne

Enter these PeopleSoft Enterprise CRM code values manually in PeopleSoft EnterpriseOne:

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Phone Purpose Type	Set Up CRM, Common Definitions, Customer, Contact Method PurposeType Search on Contact Method ID 2 to see the required phone codes that you must set up in UDC 01/PH.	Phone Types	User defined code table 01/PH
Email Purpose Type	Set Up CRM, Common Definitions, Customer, Contact Method PurposeType Search on Contact Method ID 4 to see the required email codes that you must set up in UDC 01/ET.	Electronic Address Types	User defined code table 01/ET

Note. Phone Types and Electronic Address Types from PeopleSoft Enterprise CRM must be set up manually in PeopleSoft EnterpriseOne in addition to being set up as code cross references.

Loading Master Data for the CRM Order Capture Integration

This section provides overview of the process of loading PeopleSoft EnterpriseOne data into PeopleSoft Enterprise tables and of the incremental synchronization of master data for the CRM Order Capture integration, lists prerequisites, and discusses how to:

- Set processing options for Item Master Batch Load (R8941F4101).
- Set processing options for Item Base Price Batch Load (R8945F4106).
- Set processing options for Customer Master Batch Load (R8903F0301).
- Set processing options for Contacts Batch Load (R8901F0111).
- Run batch integrations in the Integration Server for the CRM Order Capture Integration.

Understanding the Loading PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Tables for the CRM Order Capture Integration

Perform initial loading of this PeopleSoft EnterpriseOne data to corresponding PeopleSoft Enterprise tables:

- Items
- Item Prices
- Customers

This table describes the initial data loads that you must perform:

Table Conversion Program	Flat File Name	Integration Flow	PeopleSoft Enterprise Message
Item Master Batch Load (R8941F4101)	f4101batchload.txt	PSFT_EnterpriseOne_CRM. InitialBatchLoads.Inventory. E1_Item_To_E_Item_Product. convert_ItemMaster_To_ ItemProduct	ITEM_CRM_FULLSYNC_EFF PRODUCT_FULLSYNC
Item Base Price Batch Load (R8945F4106)	f4106batchload.txt	PSFT_EnterpriseOne_CRM. InitialBatchLoads.Inventory. E1_List_Price_To_E_Product. convert_ListPrice_To_ ProductPrice	PRODUCT_FULLSYNC
Customer Master Batch Load (R8903F0301)	f03012batchload.txt	PSFT_EnterpriseOne_CRM. InitialBatchLoads.Customer. E1_Customer_To_E_Company_ and_Site. convert_E1_Customer_ To_E_Company_and_Site	CUST_COMPANY_FULLSYNC CUST_SITE_FULLSYNC
Contacts Batch Load (R8901F0111)	f0111batchload.txt	PSFT_EnterpriseOne_CRM. InitialBatchLoads.Customer. E1_Contact_To_E_Contact. convert_E1_Contact_To_E_ Contact	CONTACT_FULLSYNC_EFF

Note. These PeopleSoft EnterpriseOne table conversion programs generate flat files and place them in a folder called "Export" in the \B9\package_name\ directory in which the PeopleSoft EnterpriseOne system was installed.

Item Master Batch Load

This initial batch load sends items from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM.

The system maintains item data in the PeopleSoft EnterpriseOne system.

You can add or change item data in the PeopleSoft EnterpriseOne system and it is integrated to the PeopleSoft Enterprise system. Additions or changes to items in the PeopleSoft Enterprise system are not integrated to the PeopleSoft EnterpriseOne system, however.

You must add item unit of measure conversions manually in PeopleSoft Enterprise CRM.

To identify saleable products that the system inventories, set up the integration option Family:Inventory:PPI:E1_Item_To_E_Item_Product:Stocking Types Items/Products. This option defines the stocking type the system uses to define whether an item or product is added in PeopleSoft Enterprise CRM.

To identify saleable products that the system does not inventory, set up the integration option Family:Inventory:PPI:E1_Item_To_E_Item_product:Stocking Types Products only. This option defines the stocking type the system uses to define whether an item or product is added in PeopleSoft Enterprise CRM.

The integration will filter out any PeopleSoft EnterpriseOne item stocking types that are not listed in the integration options.

You will have to perform manual dual maintenance in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system to specify whether an item is obsolete once it has been integrated. This will ensure that the item and product in PeopleSoft Enterprise CRM are synchronized. The integration currently does not have any way of determining the item's previous stocking type. In other words, it can not detect the change of a valid stocking type to a filtered stocking type.

Item Base Price Batch Load

This initial batch load sends item prices from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM.

The system maintains all order pricing in PeopleSoft Enterprise CRM.

You can add or change item price data in the PeopleSoft EnterpriseOne system and those changes are sent to the PeopleSoft Enterprise system. Additions or changes to item price data in the PeopleSoft Enterprise system are not sent to the PeopleSoft EnterpriseOne system, however.

In order to establish pricing and sales units of measure, you must enter item unit of measure conversions manually in PeopleSoft Enterprise CRM.

Customer Master Batch Load

This initial batch load sends PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise CRM as companies or sites, depending on the search type of the customer record in the PeopleSoft EnterpriseOne system and the search types for companies and sites specified in the integration options.

You can add or change a company or site in either PeopleSoft Enterprise CRM or the PeopleSoft EnterpriseOne system. The integration ensures that site data is synchronized between the two systems.

The system integrates only the primary address in PeopleSoft Enterprise CRM into the PeopleSoft EnterpriseOne system.

The system integrates only the primary name in PeopleSoft Enterprise CRM into the PeopleSoft EnterpriseOne system.

You cannot delete companies or sites in PeopleSoft Enterprise CRM. However, you can specify them as inactive. If you mark a company or site as inactive, the system updates the PeopleSoft EnterpriseOne customer record with a search type of *X*, which designates the customer as inactive.

The system determines the PeopleSoft Enterprise CRM purchasing option based on the PeopleSoft EnterpriseOne billing address type:

Company or Site	PeopleSoft EnterpriseOne Billing Address Type	PeopleSoft Enterprise CRM Purchasing Option
Company	<i>B</i>	<i>BillTo,</i> <i>SoldTo</i>
Company	<i>S</i>	<i>ShipTo</i>
Company	<i>X</i>	<i>BillTo, SoldTo, ShipTo</i>
Site	<i>B</i>	<i>BillTo,</i> <i>ShipTo</i>
Site	<i>S</i>	<i>ShipTo</i>
Site	<i>X</i>	<i>BillTo, SoldTo, ShipTo</i>

The PeopleSoft Enterprise CRM purchasing option is determined in the same way during the incremental synchronizations of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or PeopleSoft Enterprise sites.

During the incremental synchronization of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers, the system determines the PeopleSoft EnterpriseOne billing address type based on the PeopleSoft Enterprise CRM purchasing option:

PeopleSoft Enterprise CRM Purchasing Option	PeopleSoft EnterpriseOne Billing Address Type for
<i>Sold To</i>	<i>B</i>
<i>Bill To</i>	<i>B</i>
<i>Ship To</i>	<i>S</i>
<i>SoldTo,</i> <i>BillTo</i>	<i>B</i>
<i>SoldTo,</i> <i>ShipTo</i>	<i>X</i>
<i>BillTo,</i> <i>ShipTo</i>	<i>X</i>
<i>SoldTo,</i> <i>BillTo,</i> <i>ShipTo</i>	<i>X</i>
blank	<i>X</i>

Note. If the PeopleSoft Enterprise CRM purchasing option is not set to either *SoldTo*, *ShipTo* or *BillTo*, the system specifies the PeopleSoft EnterpriseOne billing address type to *X* by default.

During the incremental synchronization of PeopleSoft Enterprise sites to PeopleSoft EnterpriseOne customers, the PeopleSoft EnterpriseOne billing address type is *S* regardless of the PeopleSoft Enterprise CRM purchasing option.

Contacts Batch Load

This initial batch load sends PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise CRM. You can add or change contact information in the PeopleSoft EnterpriseOne system and that should be loaded into PeopleSoft Enterprise CRM when this integration is run.

Understanding the Incremental Synchronization of Master Data for the CRM Order Capture Integration

After you have initially loaded master data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, you may need to sync up additions or changes to master data that occur in the PeopleSoft EnterpriseOne system.

Incremental sync integrations run automatically when you add, change, or delete an PeopleSoft EnterpriseOne item or item cost record; when you add or change a supplier, ship to location, or unit of measure conversion; or when you add an PeopleSoft EnterpriseOne account.

This table describes the incremental syncs provided in this integration:

PeopleSoft EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	PeopleSoft Enterprise Message
RTCMOUT	notifyCustomerPublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E1_Customer_To_E_Company. convert_E1_Customer_To_E_Company	CUST_COMPANY_SYNC
RTCMOUT	notifyCustomerPublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E1_Customer_To_E_Site. convert_E1_Customer_To_E_Site	CUST_SITE_SYNC
N/A	ProcessCustomer	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Company_To_E1_Customer. convert_E_Company_To_E1_Customer	CUST_COMPANY_SYNC

PeopleSoft EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	PeopleSoft Enterprise Message
N/A	ProcessCustomer	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Site_To_E1_Customer. convert_E_Site_To_E1_Customer	CUST_SITE_SYNC
N/A	processContact	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Contact_To_E1_Contact. convert_E_Contact_To_E1_Contact	CONTACT_SYNC
RTIMOUT	notifyItemMasterEvent PublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Inventory. E1_Item_To_E_Item_Product. convert_E1_Item_To_E_Item_Product	ITEM_CRM_SYNC_EFF PROD_SYNC
RTLPOUT	notifySalesListPrice PublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Inventory. E1_List_Price_To_E_Product. convert_E1_List_Price_To_E_Product_Price	PRODUCT_SYNC

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems will be encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where the PeopleSoft EnterpriseOne table conversions will create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for Item Master Batch Load (R8941F4101)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data and specify other defaults for the table conversion process.

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Master table (F4101). If you leave this processing option blank, the table conversion selects all records in table F4101. For the initial load of items, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F4101. For the initial load of items, leave this processing option blank to select all business units.
Stocking Type	Specify the stocking type for nonstock transactions.

Setting Processing Options for Item Base Price Batch Load (R8945F4106)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data and specify other defaults for the table conversion process.

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Base Price File table (F4106). If you leave this processing option blank, the table conversion selects all records in table F4106 regardless of date. For the initial load of items base prices, leave this processing option blank to select all records.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F4106. For the initial load of items, leave this processing option blank to select all records.
Branch/Plant	Specify the branch plant that the table conversion uses to select records from the table F4106. If you leave this processing option blank, the table conversion selects records for all branch plants.
Currency Code	Specify the default currency of the item price records.

Setting Processing Options for Customer Master Batch Load (R8903F0301)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data for the table conversion process.

1. **Date - From**

Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Base Price File table (F4106). If you leave this processing option blank, the table conversion selects all records in table F4106 regardless of date.

For the initial load of items base prices, leave this processing option blank to select all records.
2. **Time - From**

Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F4106.

For the initial load of items, leave this processing option blank to select all records.

Setting Processing Options for Contacts Batch Load (R8901F0111)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data for the table conversion process.

- From - Date**

Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Address Book - Who's Who table (F0111). If you leave this processing option blank, the table conversion selects all records in table F0111 regardless of date.

For the initial load of items base prices, leave this processing option blank to select all records.
- Time - Last Updated**

Specify the beginning time of a valid time range. This processing option works with the From - Date processing option to build the data selection that the table conversion uses to select records from table F0111.

For the initial load of items, leave this processing option blank to select all records.

Running Batch Integrations in the Integration Server for the CRM Order Capture Integration

Schedule these batch load flow services to run once or repeatedly. If you schedule the services to run repeatedly, ensure that you run the associated table conversion before the flow service is scheduled to run.

Service	Navigation
convert_ItemMaster_To_ItemProduct	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Inventory

Service	Navigation
convert_List_Price_To_Product_Price	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Inventory
convert_E1_Customer_To_E_Company_And_Site	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Customer
convert_E1_Contact_To_E_Contact	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Customer

Setting Up Cross-References for the CRM Order Capture Integration

This section provides an overview of key cross-references for the CRM Order Capture integration and discusses how to:

- Set up key cross-references for the CRM Order Capture integration.
- Set up code cross-references for the CRM Order Capture integration.

Understanding Key Cross-References for the CRM Order Capture Integration

Key cross-references enable the system to reconcile the values that are used in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system and to keep a record of the values that are integrated.

The integration requires that these key cross-references be set up in the PeopleSoft EnterpriseOne WSG cross-reference database. The system creates these key cross-references during integration processing; no initial setup is required.

Application ID	Object ID	Comments
E-CRM	contact	The system create this key cross-reference during the initial load of PeopleSoft EnterpriseOne contact to PeopleSoft Enterprise contacts. The Contact (PERSON_ID) in the PeopleSoft Enterprise system is cross-referenced with the address book number (AN8) and contact ID (IDLN) in the PeopleSoft EnterpriseOne system.

Application ID	Object ID	Comments
E-CRM	customer	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or during the initial load of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers. The database key for Company (BO_ID) in the PeopleSoft Enterprise system is cross-referenced with the customer's address book number (AN8) in the PeopleSoft EnterpriseOne system.
E-CRM	electronicaddress	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or sites, during the initial load of PeopleSoft Enterprise companies or sites to PeopleSoft EnterpriseOne customers, and during the initial load of PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise contacts. The database key for company or site (BO_ID), the database key for electronic address (PROFILE_CM_SEQ), and the effective date (EFFDT) from the PeopleSoft Enterprise system are cross referenced with the address book number (AN8), contact ID (IDLN), and email line number (RCK7) in the PeopleSoft EnterpriseOne system.
E-CRM	phonenummer	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or sites, during the initial load of PeopleSoft Enterprise companies or sites to PeopleSoft EnterpriseOne customers, and during the initial load of PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise contacts. The database key for company or site (BO_ID), the database key for phone (PROFILE_CM_SEQ), and the effective date (EFFDT) in the PeopleSoft Enterprise system are cross-referenced with the address book number (AN8), contact ID (IDLN), and phone line number (RCK7) in the PeopleSoft EnterpriseOne system.

Application ID	Object ID	Comments
E-CRM	salesorder	The system creates this key cross-reference during the integration of sales orders or quote orders from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system. The sales or quote order number (CAPTURE_ID) and sales or quote order type (CAPTURE_TYPE_CD) from the PeopleSoft Enterprise system are cross-referenced with the document number (DOCO), document type (DCTO), and document company (KCOO) in the PeopleSoft EnterpriseOne system. The PeopleSoft EnterpriseOne company is determined by the business unit.
E-CRM	salesorderlinenumber	The system creates this key cross-reference during the integration of sales orders or quote orders from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system. The sales or quote order number (CAPTURE_ID), sales or quote order type (CAPTURE_TYPE_CD), and line number (LINE_NBR) from the PeopleSoft EnterpriseOne system are cross referenced with the document number (DOCO), document type (DCTO), document company (KCOO), and line number (LNID) in the PeopleSoft EnterpriseOne system.
E-CRM	site	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or during the initial load of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers. The database key for site (BO_ID) in the PeopleSoft Enterprise system is cross referenced with the customer's address book number (AN8) in the PeopleSoft EnterpriseOne system.

Setting Up Key Cross-References for the CRM Order Capture Integration

You must set up this key cross-reference in the PeopleSoft EnterpriseOne WSG Cross-Reference Database:

Application ID	Object ID	Native Key	Canonical Key
E-CRM	businessunit	Values from Business Unit (BUSINESS_UNIT).	Values from Business Unit (MCU) in the Business Unit Master table (F0006).

For example, you might set up this value in the atc_xref table:

Application ID	Object ID	Native Key	Canonical Key	Latch Closed
E-CRM	businessunit	US001	000000000030	N

Setting Up Code Cross-References for the CRM Order Capture Integration

The system uses code cross-references to reconcile differences in the way that certain types of information are formatted in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You must set up these code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference Database:

Application ID	Object ID	Native Code	Canonical Code
E-CRM	alternateaddresstype	Values from Address Type (CM_PURPOSE_TYPE_ID).	Alternate Address Type (ATYPE) values from UDC
E-CRM	electronicaddresstype	Values from Email Purpose Type (CM_PURPOSE_TYPE_ID).	Electronic Address Type (ETP) values from UDC 01/ET.
E-CRM	gender	Values for the Gender Types (SEX).	Gender values from UDC 01/GD.
E-CRM	phonenumbertype	Values from Phone Purpose Type (CM_PURPOSE_TYPE_ID).	Phone Number Type (PHTP) values from UDC 01/PH.
E-CRM	statuscode	Order Schedule Status (ORD_SCHED_STATUS) values: • O • K • S • B • X	Last Status (LTTR) values: • 520 • 540 • 560 • 900 • 980

For example, you might set up these values in the atc_codes_xref table:

Application ID	Object ID	Native Code	Canonical Code	Latch Closed
E-CRM	alternateaddresstype	HOME	32	N
E-CRM	electronicaddresstype	BUS	27	N
E-CRM	gender	1	M	N
E-CRM	phonenumbertype	BUSN	11	N
E-CRM	statuscode	O	520	N

CHAPTER 21

Using the PeopleSoft Enterprise CRM Order Capture with PeopleSoft EnterpriseOne Integration

This chapter provides overviews of:

- The order capture - add order process.
- The order capture - add quote process.
- Item availability checking.
- Sales order shipment processing.
- Sales order status updates.

Understanding the Order Capture - Add Order Process

You create orders in PeopleSoft Enterprise CRM and submit them to the PeopleSoft EnterpriseOne system.

After a sales order is submitted, it is integrated to the PeopleSoft EnterpriseOne system. The order status codes are synchronized between the two products. However, all order changes must be performed in the PeopleSoft EnterpriseOne system.

Understanding the Order Capture - Add Quote Process

You can create a sales quote in PeopleSoft Enterprise CRM and integrate it with the PeopleSoft EnterpriseOne system for further processing.

Understanding Item Availability Checking

The integration enables you to check item availability when inquiring on orders in PeopleSoft Enterprise CRM. Item availability is maintained in the PeopleSoft EnterpriseOne system.

Understanding Sales Order Shipment Processing

After you create and submit an order in PeopleSoft Enterprise CRM, the order integrates to the PeopleSoft EnterpriseOne system for complete sales order processing. If you have specified that you want to ship the order, the integration notifies PeopleSoft Enterprise CRM to begin the Advanced Shipping Notice process.

As an order processes through the PeopleSoft EnterpriseOne system, the status codes change. The integration ensures that the status code changes are synchronized in realtime to PeopleSoft Enterprise CRM.

Understanding Sales Order Status Updates

As an order processes through the PeopleSoft EnterpriseOne system, the status codes change. The integration ensures that the status code changes are synchronized in realtime to PeopleSoft Enterprise CRM.

PART 6

Integrating PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne

Chapter 22

Understanding the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

Chapter 23

Setting Up the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

Chapter 24

Setting Up Prerequisite Data for the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

Chapter 25

Using the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

CHAPTER 22

Understanding the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

This chapter provides overviews of the:

- Release levels
- Business process
- Integration points

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 and PeopleSoft Enterprise 8.9 CRM.

Business Process

You use the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne integration to transfer order and pricing information from PeopleSoft Enterprise CRM to PeopleSoft EnterpriseOne CRM. The integration synchronizes data and order information between the two systems in realtime.

This integration is useful when you are using both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system and would like to use the PeopleSoft Enterprise CRM solution with the PeopleSoft EnterpriseOne supply chain management and manufacturing solutions.

The major tasks involved in the integration of PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Sales Marketing are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in EnterpriseOne master data with the PeopleSoft Enterprise system.
- Importing leads from PeopleSoft Enterprise Marketing to PeopleSoft EnterpriseOne Sales Force Automation.

You can leverage the integration between PeopleSoft Enterprise Marketing and PeopleSoft EnterpriseOne in either of these two ways:

Marketing to Net New Prospects and Existing Customers with Order Management

You can use the PeopleSoft Enterprise Marketing solution to convert prospects and existing customers to leads and then capture and fulfill resulting orders using PeopleSoft EnterpriseOne Order Capture. The CRM Order Capture integration with PeopleSoft EnterpriseOne Sales Order Management provides the ability for customers to pass those sales orders to their fulfillment branch plants or operating units for processing through shipment and billing.

Required modules for this solution are:

- PeopleSoft Enterprise Sales.
- PeopleSoft Enterprise Marketing.
- PeopleSoft EnterpriseOne Order Fulfillment.
- PeopleSoft Enterprise CRM Order Capture integration with the PeopleSoft EnterpriseOne system.

For this solution, you integrate PeopleSoft EnterpriseOne customers and contacts with PeopleSoft Enterprise CRM companies, sites, and contacts.

Important! For this solution, you do *not* use PeopleSoft EnterpriseOne Sales Force Automation to integrate leads.

Marketing Only to Net New Prospects

You can assign leads generating in PeopleSoft Enterprise Marketing to business units using PeopleSoft EnterpriseOne Sales Force Automation for management through the sales cycle. Using the import utility in PeopleSoft Enterprise Sales Force Automation, you can upload leads into the Lead Management application. From that point, sales teams are able to qualify those leads, convert them to opportunities, and then to quote or sales orders. Orders are managed and fulfilled through PeopleSoft EnterpriseOne Sales Order Processing.

Required modules for this solution are:

- PeopleSoft Enterprise Marketing
- PeopleSoft EnterpriseOne Sales Force Automation

Important! For this solution, you must *not* have the PeopleSoft Enterprise CRM Order Capture integration with the PeopleSoft EnterpriseOne system installed and you must *not* integrate PeopleSoft EnterpriseOne customers and contacts with PeopleSoft Enterprise CRM companies, sites, and contacts.

See Also

[Part 5, “Integrating PeopleSoft Enterprise CRM Order Capture with the PeopleSoft EnterpriseOne System,” page 109](#)

Integration Points

This section lists integration points for:

- Initial batch loads.
- Incremental synchronizations.
- The import of leads.

Integration Points for Initial Batch Loads

This table lists the integration points used by the CRM Marketing integration for the initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Flow	PeopleSoft EnterpriseOne Object/Event	Description
CUST_COMPANY_FULLSYNC CUST_SITE_FULLSYNC	E1_Customer_To_E_Company_And_Site	Customer Master Batch Load (R8903F0301)	Batch load of customers from the PeopleSoft EnterpriseOne system to companies and sites in the PeopleSoft Enterprise system.
CONTACT_FULLSYNC	E1_Contacts_To_E_Contacts	Contacts Batch Load (R8901F0111)	Batch load of contacts (who's who information) from the PeopleSoft EnterpriseOne system to contacts in the PeopleSoft Enterprise system.

Integration Points for Incremental Synchronizations

This table lists the integration points used by the CRM Marketing integration for the incremental synchronization of data between the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
CUST_COMPANY_SYNC	E1_Customer_To_E_Company	notifyCustomerPublishDocument	Incremental synchronization of customers from the PeopleSoft EnterpriseOne system to companies in the PeopleSoft Enterprise system.
CUST_SITE_SYNC	E1_Customer_To_E_Site	notifyCustomerPublishDocument	Incremental synchronization of customers from the PeopleSoft EnterpriseOne system to sites in the PeopleSoft Enterprise system.
CUST_COMPANY_SYNC	E_Company_To_E1_Customer	processCustomer	Incremental synchronization of companies from the PeopleSoft Enterprise system to customers in the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
CUST_SITE_SYNC	E_Site_To_E1_Customer	processCustomer	Incremental synchronization of sites from the PeopleSoft Enterprise system to customers in the PeopleSoft EnterpriseOne system.
CONTACT_SYNC	E_Contacts_To_E1_Contacts	processContact	Incremental synchronization of contacts from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.

Integration Point for the Import of Leads

This table lists the integration point used by the CRM Marketing integration for the import of leads from PeopleSoft Enterprise Marketing to PeopleSoft EnterpriseOne Sales Force Automation:

PeopleSoft Enterprise Export Process	PeopleSoft EnterpriseOne Import Process	Description
Export Audience page (RA_EXPORT_AUDIENCE)	Import Leads program (P90CB015)	Export a CSV file containing leads from PeopleSoft Enterprise Marketing and import that file in the PeopleSoft EnterpriseOne system.

CHAPTER 23

Setting Up the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

This chapter discusses how to:

- Set up the CRM Marketing integration in PeopleSoft Enterprise CRM.
- Set up the CRM Marketing integration in the PeopleSoft EnterpriseOne Integration Server.

Setting Up the CRM Marketing Integration in PeopleSoft Enterprise CRM

This section lists prerequisites and discusses how to:

- Activate message channels for the CRM Marketing integration.
- Activate messages for the CRM Marketing integration.
- Set up integration transactions for the CRM Marketing integration.
- Activate message subscriptions for the CRM Marketing integration.
- Set up outbound customer messages.

See *PeopleSoft Enterprise CRM 8.9 Order Capture Applications PeopleBook*

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in PeopleSoft Enterprise CRM:

- Set up the local gateway in the PeopleSoft CRM database.

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.

- Activate the PSFT_E1 node.

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.

Page Used to Set Up the CRM Marketing Integration in PeopleSoft Enterprise CRM

Access this page in the PeopleSoft Enterprise CRM database.

Page Name	Object Name	Navigation	Usage
Market Installation Options	RB_MKT_CTL_TBL	Set Up CRM, Install, Market Installation Options	Set up customer and site messages outbound from CRM.

Activating Message Channels for the CRM Marketing Integration

Verify that the CUSTOMER message channels has a message channel status of *Run*:

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the CRM Marketing Integration

Verify that these messages are active:

- CONTACT_FULLSYNC
- CONTACT_SYNC
- CUST_COMPANY_FULLSYNC
- CUST_COMPANY_SYNC
- CUST_SITE_FULLSYNC
- CUST_SITE_SYNC

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Setting Up Integration Transactions for the CRM Marketing Integration

You must activate these nodes and their associated transactions:

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	CONTACT_FULLSYNC_EFF	VERSION_RB_1	InAsync	N/A
PSFT_E1	CONTACT_SYNC	VERSION_RB_1	OutAsync	Implicit
PSFT_E1	CUST_COMPANY_FULLSYNC	VERSION_STD	InAsync	N/A
PSFT_E1	CUST_COMPANY_SYNC	VERSION_STD	InAsync	N/A

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	CUST_COMPANY_SYNC	VERSION_STD	OutAsync	Implicit
PSFT_E1	CUST_SITE_FULLSYNC	VERSION_STD	InAsync	N/A
PSFT_E1	CUST_SITE_SYNC	VERSION_STD	OutAsync	Implicit
PSFT_E1	CUST_SITE_SYNC	VERSION_STD	InAsync	N/A

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Activating Message Subscriptions for the CRM Marketing Integration

Verify that these message subscriptions are active:

EIP Message	Subscription Name
CONTACT_FULLSYNC	ContactFullSync
CONTACT_SYNC	ContactSync
CUST_COMPANY_FULLSYNC	CustCompanyFullSync
CUST_COMPANY_SYNC	CustCompanySync
CUST_SITE_FULLSYNC	CustSiteFullSync
CUST_SITE_SYNC	CustSiteSync

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.](#)

Setting Up Outbound Customer Messages

Access the Market Installation Options page.

Market Installation Options

Market: Global

Market Installation Options Customize Find First 1-2 of 2 Last

*Market Control Code	Description	Option Activated		
CDMINTFC	CDM Interface Records	☒	+	-
CRCARD	Credit Card Information	☐	+	-

Save Return to Search Add Update/Display

Market Installation Options page

1. Search and select the Market value *Global*.
2. Select the Option Activated check box for CDM Interface Records.
3. Click Save.

Setting Up the CRM Marketing Integration in the Integration Server

This section discusses how to:

- Set up adapter services for the CRM Marketing integration.
- Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the CRM Marketing integration.
- Set up integration options for the CRM Marketing integration.

Setting Up Adapter Services for the CRM Marketing Integration

You must supply connection properties for PSFT_CRM_JDBCAdapterServices. This service allows the integration to perform queries on the PeopleSoft Enterprise database.

You must also supply connection properties for PSFT_JDBCAdapterServices. This service allows the integration to perform queries on the PeopleSoft EnterpriseOne WSG Cross-Reference database.

See *PeopleSoft EnterpriseOne 8.95 Web Services Gateway Installation and Setup Guide*

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the CRM Order Capture Integration

Enable the Listener and the AdapterServices.Notification.Customer:notifyCustomer Listener Notification within the PSFT_EnterpriseOne_AdapterServices package.

See Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.

Setting Up Integration Options for the CRM Marketing Integration

This section lists integration options used by multiple integration points as well as the integration options for these integration points:

- Customers, companies, and sites.
- Contacts

Integration Options Used by Multiple Integration Points

Multiple integration points used in the CRM Marketing integration require these integration options:

Navigation	Integration Option	Usage
PSFT_Dispatcher.Outbound	Address for Transport	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). The system uses the value from this integration option if the Transaction Transport Address option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport address at this level (PPI) so that you don't have to set it for each flow. This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_Dispatcher.Outbound	Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The system uses the value from this integration option if the Transaction Transport option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport at this level (PPI) so that you don't have to set it for each flow. The default value is <i>http</i>.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_HR</i>. This value is used only when sending a message to PeopleSoft Enterprise. For flows that originate in PeopleSoft Enterprise, this value is used to send a success or error response back to PeopleSoft Enterprise.
PSFT_EnterpriseOne_CRM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Customers, Companies, and Sites

The integration options in this section are used by the one or more of these flows:

- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Customer/E1_Customer_To_E_Company_And_Site
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Company_To_E1_Customer
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Site_To_E1_Customer
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E1_Customer_To_E_Company
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E1_Customer_To_E_Site

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM Purpose Type	Specify the address purpose type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 43. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM type	Specify the address type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>I</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address Sub Type	Specify the type of record to process in PeopleSoft Enterprise CRM. PeopleSoft Enterprise CRM requires an address type, which is used internally. The default value is <i>ADDR</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Company_To_E1_Customer PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Site_To_E1_Customer	Address Book MBF Processing Version	Specify the version of the Address Book MBF program (P0100041) to use when creating address book records in the PeopleSoft EnterpriseOne system from PeopleSoft Enterprise company records. The default value is <i>ZJDE0001</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs	Company	Specify the default company to send from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise CRM. This value is required because this integration does not support line of business. The default value is <i>00000</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Company Search Type	Specify the search type used in the PeopleSoft EnterpriseOne system to identify companies in the Address Book. The default value is <i>C</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Site_To_E1_Customer	Customer Master MBF Version	Specify the version of the Customer Master MBF - PO program (P0100042) to use when creating customer records in the PeopleSoft EnterpriseOne system from PeopleSoft Enterprise company records. The default value is <i>ZJDE0001</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Default Company SetID	Specify the default setID for company entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Default Currency Code	Specify the currency code to send to PeopleSoft Enterprise CRM when a customer is added or changed in the PeopleSoft EnterpriseOne system and the currency code for that customer is blank. PeopleSoft Enterprise CRM requires a currency code. The default value is <i>USD</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Directory From Location - E1	Specify the directory that contains the f03012batchload.txt file that is generated by the Customer Master Batch Load program (R8903F0301). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Email CM type	Specify the email type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>4</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Name Type	Specify the primary name type for companies or sites in PeopleSoft Enterprise CRM. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>PREFERRED</i>. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Phone CM type	Specify the phone type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 2. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id 1 for Adding Company	Specify the type of record to process for companies in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM and applies to Company and Site records. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 40. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id Customer	Specify the type of record to process for customers in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM so that PeopleSoft EnterpriseOne customer records can be processed in PeopleSoft Enterprise CRM as companies. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 2. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id Site	Specify the type of record to process for sites in PeopleSoft Enterprise CRM. This value is required by PeopleSoft Enterprise CRM so that PeopleSoft EnterpriseOne customer records can be processed in PeopleSoft Enterprise CRM as sites. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 3. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, Bill To	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 43. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, Ship To	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 41. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Role Type Id, SoldTo	Specify the company or site role type. This value is used internally by PeopleSoft CRM to identify the type of record. The default value is 42. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Site Search Type	Specify the search type used in the PeopleSoft EnterpriseOne system to identify sites in the Address Book. The default value is <i>ST</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E1_Customer_To_E_Company	Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Contacts

The integration options in this section are used by the one or more of these flows:

- PSFT_EnterpriseOne_CRM/InitialBatchLoads/Customer/E1_Contact_To_E_Contact
- PSFT_EnterpriseOne_CRM/RealTimeDataSyncs/Customer/E_Contact_To_E1_Contact

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM Purpose Type	Specify the address purpose type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>43</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Address CM type	Specify the address type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>1</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_ Contact_To_E_Contact	Default Contact SetID	Specify the default setID for contacts. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_ Contact_To_E_Contact	Directory From Location - E1	Specify the directory that contains the f0111batchload.txt file that is generated by the Contacts Batch Load program (R8901F0111). This value is an example: <i>\\machine\pyexport</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Email CM type	Specify the email type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 4. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Name Type	Specify the primary name type for companies or sites in PeopleSoft Enterprise CRM. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is <i>PREFERRED</i> . This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer	Phone CM type	Specify the phone type. This value is used internally by PeopleSoft Enterprise CRM to identify the type of record. The default value is 2. This integration option is used by all flows that involve PeopleSoft EnterpriseOne customers and sites.
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Repeat Count for Contacts	Specify the number of times that the integration will retry to send contact information when both a company and contact are added in PeopleSoft Enterprise CRM. When both a company and contact are added, the flow needs to wait to add the contact until the customer is added in the PeopleSoft EnterpriseOne system.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Role Type Id - Contact	Specify the role type for contacts as defined in PeopleSoft Enterprise CRM.
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i> .
PSFT_EnterpriseOne_CRM, InitialBatchLoads, Customer:E1_Contact_To_E_Contact	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_CRM, RealTimeDataSyncs, Customer: E_Contact_To_E1_Contact	Wait Time for Contact (in seconds)	Specify a timeout value in seconds that the integration will wait before trying to resend contact information when both a company and contact are added in PeopleSoft Enterprise CRM. When both a company and contact are added, the flow needs to wait to add the contact until the customer is added in the PeopleSoft EnterpriseOne system.

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 24

Setting Up Prerequisite Data for the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

This chapter discusses how to:

- Set up manual data for the CRM Marketing integration.
- Load master data for the CRM Marketing integration.
- Set up cross-references for the CRM Marketing integration.

Setting Up Manual Data for the CRM Marketing Integration

You must manually set up specific corresponding data in both PeopleSoft EnterpriseOne and in PeopleSoft Enterprise CRM.

Setting Up Manual Data in PeopleSoft Enterprise CRM

Enter these PeopleSoft EnterpriseOne code values manually in PeopleSoft Enterprise CRM:

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Industries	Set Up CRM, Common Definitions, Customer, Industries	Standard Industry Code	User defined code table (01/SC)
Currency Codes	Set Up CRM, Common Definitions, Currency, Currency Code	Currency Codes	Currency Codes table (F0013)
States	Set Up CRM, Common Definitions, Location, State	State and Province Codes	User defined code table (00/S)
Regions	Set Up CRM, Common Definitions, Location, Region Codes	County Codes	User defined code table (00/CT)

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Countries	Set Up CRM, Common Definitions, Location, Country	Country Codes	User defined code table (00/CN)
Payment Terms	Set Up CRM, Common Definitions, Customer, Payment Terms	Payment Terms	Payment Terms table (F0014)

Setting Up Manual Data in PeopleSoft EnterpriseOne

Enter these PeopleSoft Enterprise CRM code values manually in PeopleSoft EnterpriseOne:

PeopleSoft Enterprise Data	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Data	PeopleSoft EnterpriseOne Navigation
Phone Purpose Type	Set Up CRM, Common Definitions, Customer, Contact Method PurposeType Search on Contact Method ID 2 to see the required phone codes that you must set up in UDC 01/PH.	Phone Types	User defined code table 01/PH
Email Purpose Type	Set Up CRM, Common Definitions, Customer, Contact Method PurposeType Search on Contact Method ID 4 to see the required email codes that you must set up in UDC 01/ET.	Electronic Address Types	User defined code table 01/ET

Note. Phone Types and Electronic Address Types from PeopleSoft Enterprise CRM must be set up manually in PeopleSoft EnterpriseOne in addition to being set up as code cross references.

Loading Master Data for the CRM Marketing Integration

This section provides overview of the process of loading PeopleSoft EnterpriseOne data into PeopleSoft Enterprise tables and of the incremental synchronization of master data for the CRM Marketing integration, lists prerequisites, and discusses how to:

- Set processing options for Customer Master Batch Load (R8903F0301).
- Set processing options for Contacts Batch Load (R8901F0111).
- Run batch integrations in the Integration Server for the CRM Marketing Integration.

Understanding the Loading PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Tables for the CRM Marketing Integration

This integration includes the initial loading of PeopleSoft EnterpriseOne customers, sites, and contacts to corresponding PeopleSoft Enterprise tables.

This table describes the initial data loads that you must perform:

Table Conversion Program	Flat File Name	Integration Flow	PeopleSoft Enterprise Integration Point
R8903F0301 - Customer Master Batch Load	f03012batchload.txt	E1_Customer_To_E_Company_and_Site	CUST_COMPANY_FULLSYNC CUST_SITE_FULLSYNC
R8901F0111 - Contacts Batch Load	f0111batchload.txt	E1_Contact_To_E_Contact	CONTACT_FULLSYNC_EFF

Note. These PeopleSoft EnterpriseOne table conversion programs generate flat files and place them in a folder called "Export" in the \B9\package_name\ directory in which the PeopleSoft EnterpriseOne system was installed.

Customer Master Batch Load

This initial batch load sends PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise CRM as companies or sites, depending on the search type of the customer record in the PeopleSoft EnterpriseOne system and the search types for companies and sites specified in the integration options.

You can add or change a company or site in either PeopleSoft Enterprise CRM or the PeopleSoft EnterpriseOne system. The integration ensures that site data is synchronized between the two systems.

The system integrates only the primary address in PeopleSoft Enterprise CRM into the PeopleSoft EnterpriseOne system.

The system integrates only the primary name in PeopleSoft Enterprise CRM into the PeopleSoft EnterpriseOne system.

You cannot delete companies or sites in PeopleSoft Enterprise CRM. However, you can specify them as inactive. If you mark a company or site as inactive, the system updates the PeopleSoft EnterpriseOne customer record with a search type of *X*, which designates the customer as inactive.

The system determines the PeopleSoft Enterprise CRM purchasing option based on the PeopleSoft EnterpriseOne billing address type:

Company or Site	PeopleSoft EnterpriseOne Billing Address Type	PeopleSoft Enterprise CRM Purchasing Option
Company	<i>B</i>	<i>BillTo</i> , <i>SoldTo</i>
Company	<i>S</i>	<i>ShipTo</i>
Company	<i>X</i>	<i>BillTo</i> , <i>SoldTo</i> , <i>ShipTo</i>

Company or Site	PeopleSoft EnterpriseOne Billing Address Type	PeopleSoft Enterprise CRM Purchasing Option
Site	<i>B</i>	<i>BillTo,</i> <i>ShipTo</i>
Site	<i>S</i>	<i>ShipTo</i>
Site	<i>X</i>	<i>BillTo, SoldTo, ShipTo</i>

The PeopleSoft Enterprise CRM purchasing option is determined in the same way during the incremental synchronizations of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or PeopleSoft Enterprise sites.

During the incremental synchronization of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers, the system determines the PeopleSoft EnterpriseOne billing address type based on the PeopleSoft Enterprise CRM purchasing option:

PeopleSoft Enterprise CRM Purchasing Option	PeopleSoft EnterpriseOne Billing Address Type for
<i>Sold To</i>	<i>B</i>
<i>Bill To</i>	<i>B</i>
<i>Ship To</i>	<i>S</i>
<i>SoldTo,</i> <i>BillTo</i>	<i>B</i>
<i>SoldTo,</i> <i>ShipTo</i>	<i>X</i>
<i>BillTo,</i> <i>ShipTo</i>	<i>X</i>
<i>SoldTo,</i> <i>BillTo,</i> <i>ShipTo</i>	<i>X</i>
blank	<i>X</i>

Note. If the PeopleSoft Enterprise CRM purchasing option is not set to either *SoldTo*, *ShipTo* or *BillTo*, the system specifies the PeopleSoft EnterpriseOne billing address type to *X* by default.

During the incremental synchronization of PeopleSoft Enterprise sites to PeopleSoft EnterpriseOne customers, the PeopleSoft EnterpriseOne billing address type is *S* regardless of the PeopleSoft Enterprise CRM purchasing option.

Contacts Batch Load

This initial batch load sends PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise CRM.

Understanding the Incremental Synchronization of Master Data for the CRM Marketing Integration

After you have initially loaded master data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, you may need to sync up additions or changes to master data that occur in the PeopleSoft EnterpriseOne system.

Incremental sync integrations run automatically when you add or change a company in the PeopleSoft EnterpriseOne system or when you add or change a customer, site, or contact in the PeopleSoft Enterprise system.

This table describes the incremental syncs provided in this integration:

PeopleSoft EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	PeopleSoft Enterprise Message
RTCMOUT	notifyCustomerPublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E1_Customer_To_E_Company. convert_E1_Customer_To_E_Company	CUST_COMPANY_SYNC
RTCMOUT	notifyCustomerPublishDocument	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E1_Customer_To_E_Site. convert_E1_Customer_To_E_Site	CUST_SITE_SYNC
N/A	ProcessCustomer	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Company_To_E1_Customer. convert_E_Company_To_E1_Customer	CUST_COMPANY_SYNC
N/A	ProcessCustomer	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Site_To_E1_Customer. convert_E_Site_To_E1_Customer	CUST_SITE_SYNC
N/A	ProcessContact	PSFT_EnterpriseOne_CRM.ns. PSFT_EnterpriseOne_CRM. RealTimeDataSyncs.Customer. E_Contact_To_E1_Contact. convert_E_Contact_To_E1_Contact	CONTACT_SYNC

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems will be encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where the PeopleSoft EnterpriseOne table conversions will create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for Customer Master Batch Load (R8903F0301)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data for the table conversion process.

- 1. Date - From** Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Base Price File table (F4106). If you leave this processing option blank, the table conversion selects all records in table F4106 regardless of date.

For the initial load of items base prices, leave this processing option blank to select all records.
- 2. Time - From** Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F4106.

For the initial load of items, leave this processing option blank to select all records.

Setting Processing Options for Contacts Batch Load (R8901F0111)

Processing options enable you to specify the default processing for programs and reports.

Default

These processing options enable you to select data for the table conversion process.

- From - Date** Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Address Book - Who's Who table (F0111). If you leave this processing option blank, the table conversion selects all records in table F0111 regardless of date.

For the initial load of items base prices, leave this processing option blank to select all records.

Time - Last Updated

Specify the beginning time of a valid time range. This processing option works with the From - Date processing option to build the data selection that the table conversion uses to select records from table F0111.

For the initial load of items, leave this processing option blank to select all records.

Running Batch Integrations in the Integration Server for the CRM Marketing Integration

Schedule these batch load flow services to run once or repeatedly. If you schedule the services to run repeatedly, ensure that you run the associated table conversion before the flow service is scheduled to run.

Service	Navigation
convert_E1_Customer_To_E_Company_And_Site	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Customer
convert_E1_Contact_To_E_Contact	PSFT_EnterpriseOne_CRM.ns.PSFT_EnterpriseOne_CRM.InitialBatchLoads.Customer

Setting Up Cross-References for the CRM Marketing Integration

This section provides an overview of key cross-references for the CRM Marketing integration and discusses how to:

- Set up key cross-references for the CRM Marketing integration.
- Set up code cross-references for the CRM Marketing integration.

Understanding Key Cross-References for the CRM Marketing Integration

Key cross-references enable the system to reconcile the values that are used in the PeopleSoft Enterprise system and in the PeopleSoft EnterpriseOne system and to keep a record of the values that are integrated.

The integration requires that these key cross-references be set up in the PeopleSoft EnterpriseOne WSG cross-reference database. The system creates these key cross-references during integration processing; no initial setup is required.

Application ID	Object ID	Comments
E-CRM	contact	The system create this key cross-reference during the initial load of PeopleSoft EnterpriseOne contact to PeopleSoft Enterprise contacts. The Contact (PERSON_ID) in the PeopleSoft Enterprise system is cross-referenced with the address book number (AN8) and contact ID (IDLN) in the PeopleSoft EnterpriseOne system.
E-CRM	customer	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or during the initial load of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers. The database key for Company (BO_ID) in the PeopleSoft Enterprise system is cross-referenced with the customer's address book number (AN8) in the PeopleSoft EnterpriseOne system.
E-CRM	electronicaddress	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or sites, during the initial load of PeopleSoft Enterprise companies or sites to PeopleSoft EnterpriseOne customers, and during the initial load of PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise contacts. The database key for company or site (BO_ID), the database key for electronic address (PROFILE_CM_SEQ), and the effective date (EFFDT) from the PeopleSoft Enterprise system are cross referenced with the address book number (AN8), contact ID (IDLN), and email line number (RCK7) in the PeopleSoft EnterpriseOne system.

Application ID	Object ID	Comments
E-CRM	phonenum	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or sites, during the initial load of PeopleSoft Enterprise companies or sites to PeopleSoft EnterpriseOne customers, and during the initial load of PeopleSoft EnterpriseOne contacts to PeopleSoft Enterprise contacts. The database key for company or site (BO_ID), the database key for phone (PROFILE_CM_SEQ), and the effective date (EFFDT) in the PeopleSoft Enterprise system are cross-referenced with the address book number (AN8), contact ID (IDLN), and phone line number (RCK7) in the PeopleSoft EnterpriseOne system.
E-CRM	site	The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne customers to PeopleSoft Enterprise companies or during the initial load of PeopleSoft Enterprise companies to PeopleSoft EnterpriseOne customers. The database key for site (BO_ID) in the PeopleSoft Enterprise system is cross referenced with the customer's address book number (AN8) in PeopleSoft EnterpriseOne.

Setting Up Key Cross-References for the CRM Marketing Integration

You must set up this key cross-reference in the PeopleSoft EnterpriseOne WSG Cross-Reference Database:

Application ID	Object ID	Native Key	Canonical Key
E-CRM	businessunit	Values from Business Unit (BUSINESS_UNIT).	Values from Business Unit (MCU) in the Business Unit Master table (F0006).

For example, you might set up this value in the atc_xref table:

Application ID	Object ID	Native Key	Canonical Key	Latch Closed
E-CRM	businessunit	US001	000000000030	N

Setting Up Code Cross-References for the CRM Marketing Integration

The system uses code cross-references to reconcile differences in the way that certain types of information are formatted in the PeopleSoft Enterprise system and in the PeopleSoft EnterpriseOne system.

You must set up these code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference Database:

Application ID	Object ID	Native Code	Canonical Code
E-CRM	alternateaddresstype	Values from Address Type (DESCR).	Alternate Address Type (ATYPE) values from UDC
E-CRM	electronicaddresstype	Values from Email Purpose Type (CM_PURPOSE_TYPE_ID).	Electronic Address Type (ETP) values from UDC 01/ET.
E-CRM	gender	Values for the Gender Types (SEX).	Gender values from UDC 01/GD.
E-CRM	phonenumbertype	Values from Phone Purpose Type (CM_PURPOSE_TYPE_ID).	Phone Number Type (PHTP) values from UDC 01/PH.

For example, you might set up these values in the atc_xref table:

Application ID	Object ID	Native Code	Canonical Code	Latch Closed
E-CRM	alternateaddresstype	HOME	32	N
E-CRM	businessunit	US001	000000000030	N
E-CRM	electronicaddresstype	BUS	27	N
E-CRM	gender	1	M	N
E-CRM	phonenumbertype	BUSN	11	N

CHAPTER 25

Using the PeopleSoft Enterprise CRM Marketing with PeopleSoft EnterpriseOne Integration

This chapter discusses how to import leads from PeopleSoft Enterprise Marketing in PeopleSoft EnterpriseOne.

Importing Leads

This section provides an overview of the lead import process and discusses how to:

- Export leads from PeopleSoft Enterprise Marketing.
- Modify the leads CSV file.
- Import leads in the PeopleSoft EnterpriseOne system.

Understanding the Lead Import Process

You export leads generated in PeopleSoft Enterprise Marketing to a comma-separated variable (CSV) file. You then upload this file into the PeopleSoft EnterpriseOne Lead Management application. From that point, you can qualify those leads, convert them to opportunities, and then to a quote or sales order. The order is managed and fulfilled through PeopleSoft EnterpriseOne Sales Order Processing.

Exporting Leads from PeopleSoft Enterprise Marketing

To export leads from PeopleSoft Enterprise Marketing:

1. Create a new audience in PeopleSoft Enterprise Marketing.
2. Use the Audience Builder to define selection criteria and generate the audience using this information:

Step 1: Select Roles Select the Contract for a Company check box.

Step 2: Define Selection Criteria Specify *Organizations.Sales Leads.Region* as the profile field or use other appropriate selection criteria.

Step 3: Review and Save Select the Start audience generation now option.

See PeopleSoft Enterprise CRM 8.9 Marketing Applications PeopleBook: “Using Audiences,” Creating and Managing Audiences.

3. Export the audience, selecting *Individuals.People.Company ID* as the export column.

The system sends a job to the Process Scheduler, which places a CSV file on the PeopleSoft Enterprise CRM server when the job is complete. The output location for the CSV file is:

\\<enterprise server name>\log-output\<job#>

For example:

\\server1\log-output\AE_RA_EXP_AUDN_9413

See PeopleSoft Enterprise CRM 8.9 Marketing Applications PeopleBook: “Using Audiences,” Exporting Audiences.

Modifying the Leads CSV File

In order to import leads successfully into PeopleSoft EnterpriseOne, the CSV must have these columns in the order specified:

- Company ID
- Last Name
- First Name
- Work Phone
- Email
- Title
- Industry

Note. You must manually add this column to the CSV file.

- Address1
- Address2
- Address3
- Address4
- City
- State
- ZIP Code
- County

Note. You must manually add this column to the CSV file.

- Country
- Fax Country Code
- Fax
- URL

Note. You must manually add this column to the CSV file.

In addition to adding the Industry, Country, and URL columns, you must make these modifications to the CSV file:

1. Delete the first two rows of the CSV file; these rows contain the audience name and the headings for each column.
2. Delete any records that do not have first and last names (names are required in PeopleSoft EnterpriseOne).

3. Modify the country code to a value that is valid in PeopleSoft EnterpriseOne.

Note. Blank is typically the value of the default country in PeopleSoft EnterpriseOne.

4. Verify that the user who is importing the data in PeopleSoft EnterpriseOne has an address book record in PeopleSoft EnterpriseOne.

Note. Depending on the PeopleSoft Enterprise data, other manipulations might be required.

Importing Leads in the PeopleSoft EnterpriseOne System

Use the Import Leads program (P90CB015) to import leads in the PeopleSoft EnterpriseOne system.

See *PeopleSoft EnterpriseOne Customer Relationship Management 8.11 SPI Sales Applications PeopleBook*, “Managing Sales Leads,” Entering a Lead.

PART 7

Integrating PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement

Chapter 26

Understanding the Integration of PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement

Chapter 27

Setting Up the PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement Integration

Chapter 28

Setting Up Prerequisite Data for the Strategic Sourcing Integration

Chapter 29

Using the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement Integration

CHAPTER 26

Understanding the Integration of PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement

This chapter discusses:

- Release levels
- Business process
- Integration architecture
- Integration points
- Assumptions for implementation

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 Procurement and PeopleSoft Enterprise 8.9 Strategic Sourcing.

Business Process

With the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement integration, you can use PeopleSoft Enterprise Strategic Sourcing to create and manage sourcing events and integrate the awards into PeopleSoft EnterpriseOne Procurement.

The major tasks involved in the integration of PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in EnterpriseOne master data with the PeopleSoft Enterprise system.
- Awarding sourcing events to an external purchasing system.

- If the sourcing event is a buy event, the PeopleSoft Enterprise system creates an outbound purchase order message and transmits the message to the PeopleSoft EnterpriseOne system.

The PeopleSoft EnterpriseOne system creates a purchase order or blanket order and transmits the purchase order number (and any errors) to the PeopleSoft Enterprise system.

- If the sourcing event is awarded to a bidder who is not yet a vendor, the PeopleSoft Enterprise system sends the bidder information to the PeopleSoft EnterpriseOne system.

The PeopleSoft EnterpriseOne system creates a supplier record and then sends the supplier information back to the PeopleSoft Enterprise system to create the vendor record in the PeopleSoft Enterprise system.

- If the sourcing event is a tiered-pricing event, the PeopleSoft Enterprise system sends the supplier pricing information to the PeopleSoft EnterpriseOne system.

Integration Architecture

This section discusses the integration architecture for the:

- Buy event process.
- Tiered-pricing event process.
- Supplier/vendor creation process.

Note. The integration architecture for the initial batch load and the incremental synchronization of master data is discussed in the “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications” chapter of this PeopleBook.

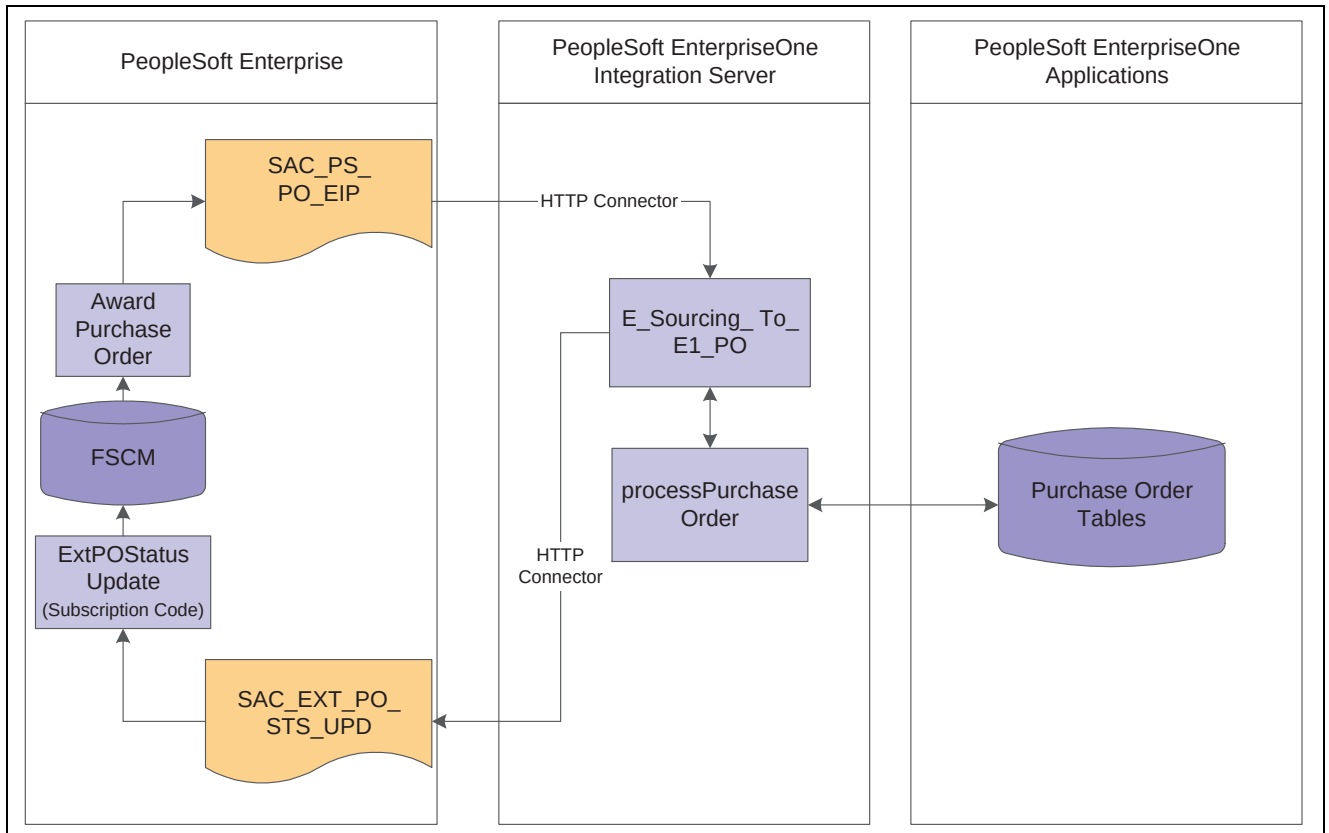
See Also

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Incremental Synchronizations, page 9

Integration Architecture for the Buy Event Process

This diagram illustrates the process of generating a buy event in the PeopleSoft Enterprise system and creating a corresponding purchase order in the PeopleSoft EnterpriseOne system:



PeopleSoft Enterprise buy event to PeopleSoft EnterpriseOne purchase order process

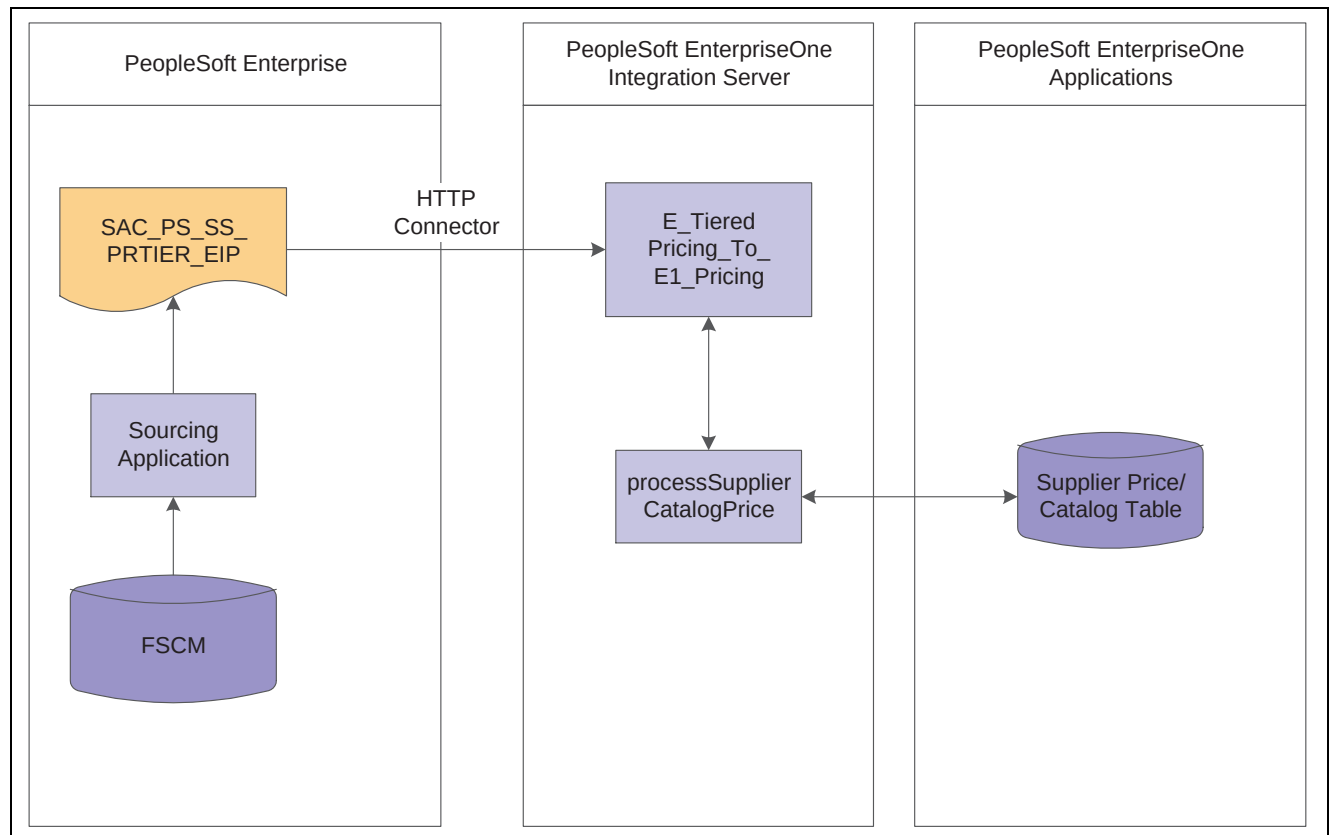
Sending a buy event from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system and creating a corresponding purchase order or blanket order in the PeopleSoft EnterpriseOne system consists of these major steps:

1. At the time of the award, the PeopleSoft Enterprise system creates a synchronous outbound purchase order message (SAC_PS_PO_EIP).
2. The Integration Server is listening for the EIP message, and triggers the E_SourcingAward_To_E1_PO Integration, which invokes the processPurchaseOrder interface flow.
3. The interface flow creates a purchase order in the PeopleSoft EnterpriseOne system.
4. The integration converts the interface flow's response to the SAC_EXT_PO_STS_UPD message, and the message is then sent back in the synchronous response to the PeopleSoft Enterprise system.
5. When the message is received in the PeopleSoft Enterprise system, the purchase order number is written to a cross-reference table (PS_SAC_ERP_SS_STS) and the purchase order number is added to the Analyze Events page.

If there are errors in the creation of the purchase order in the PeopleSoft EnterpriseOne system, the PeopleSoft Enterprise system returns an error.

Integration Architecture for the Tiered-Pricing Event Process

This diagram illustrates the process of sending tiered-pricing information from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system:



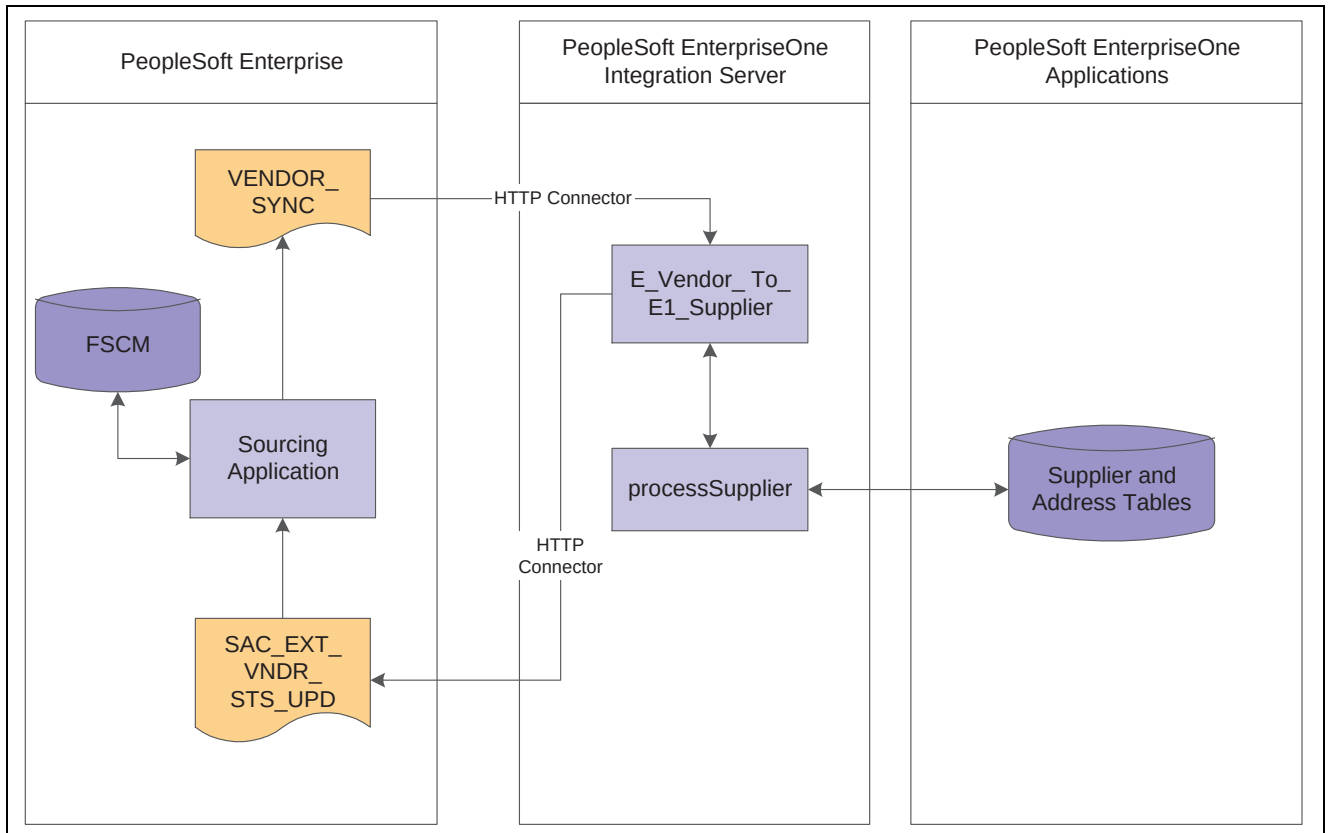
PeopleSoft Enterprise tiered-pricing event to PeopleSoft EnterpriseOne process

Sending a tiered-pricing event from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these major steps:

1. If the user clicks the Export Price Breaks button when awarding the event, the PeopleSoft Enterprise system creates an outbound price export message (SAC_PS_SS_PRTIER_EIP).
2. The Integration Server is listening for the EIP message, and triggers the E_TierPricing_To_E1_Pricing integration flow, which invokes the processSupplierCatalogPrice interface flow.

Integration Architecture for Supplier/Vendor Creation Process

This diagram illustrates the PeopleSoft Enterprise bidder to PeopleSoft EnterpriseOne supplier and PeopleSoft Enterprise vendor process:



PeopleSoft Enterprise vendor to PeopleSoft EnterpriseOne supplier process

1. At the time of the award, the PeopleSoft Enterprise system creates a synchronous outbound vendor message (VENDOR_SYNC).
2. The Integration Server is listening for the EIP message, and triggers the E_Vendor_To_E1_Supplier integration, which invokes the processSupplier interface flow.
3. The processSupplier interface flow creates a supplier record in the PeopleSoft EnterpriseOne system.
4. The interface flow's response is converted to the SAC_EXT_VNDR_STS_UPD message.
The SAC_EXT_VNDR_STS_UPD message is sent back in the synchronous response to Enterprise.
5. When the message is received in the PeopleSoft Enterprise system, the system creates a corresponding vendor record in the PeopleSoft Enterprise system with the vendor ID number from the PeopleSoft EnterpriseOne system.

Integration Points

This section discusses integration points for:

- Initial batch loads
- Incremental synchronizations
- Transactions

Integration Points for Initial Batch Loads

This table lists the integration points used by the Strategic Sourcing integration for the initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
SAC_ACCT_LOAD_EIP	E1_Account_To_E_SRM_Account: convertAccountToAccountLoad	Account Master Batch Load program (R8909F0901)	Loads account information from the PeopleSoft EnterpriseOne system to accounts in the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	Item Master Batch Load program (R8941F4101)	Loads items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemCost_To_E_Item: convert_E1_ItemCost_To_E_Item	Item Cost Batch Load program (R8941F4105)	Loads item cost information from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
VENDOR_SYNC	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor_And_Dispatch	Supplier Master Batch Load program (R8901F0401)	Loads suppliers from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
ITEM_PRICELIST_LOAD	E1_SupplierItemCost_To_E_SRM_ItemPriceList: convertSupplierItemCostToItemPriceList	Supplier Price Batch Load - F41061 program (R8945F4161)	Loads supplier item cost information from the PeopleSoft EnterpriseOne system to the item price list in the PeopleSoft Enterprise system. This integration point is optional.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
ITEM_SYNC	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ItemUOM	Unit Of Measure Batch Load (R89F41002)	Loads unit of measure conversion from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
SHIPTO_LOCATION	E1_ShipTo_To_E_ShipToLocation: convert_ShipTo_To_ShipToLocation	Extract Branch /Plant ShipTos (R89F41001)	Loads ship to locations from the PeopleSoft EnterpriseOne system to ship to locations in the PeopleSoft Enterprise system.
BOM_SYNC	E1_BillOfMaterials_To_E_BOM: convert_E1_BOM_To_E_BOM	Bill of Materials Batch Load (R8930F3002)	Loads bills of material from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

Integration Points for Incremental Synchronizations

This table lists the integration points used by the Strategic Sourcing integration for the incremental synchronization of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
SAC_ACCT_LOAD_EIP	E1_Account_To_E_Account: convert_E1_AccountMaster_To_E_Account	notifyGLAccountEvent PublishDocument	Incremental sync of accounts from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	notifyItemMasterEvent PublishDocument	Incremental sync of items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemCost_To_E_Item: convert_E1_ItemCost_E_Item	notifyItemCostEvent PublishDocument	Incremental sync of item cost information from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
ITEM_SYNC	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ItemUOM	notifyItemUOMEvent PublishDocument	Incremental sync of unit of measure conversion from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
VENDOR_SYNC	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor	notifySupplierEvent PublishDocument	Incremental sync of suppliers from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
LOCATION_SYNC SHIPTO_LOCATION	E1_AddressBookRTE_To_ShipToLocation: convert_E1_AddressBookRTE_To_E_ShipToLocation	notifyAddressBook PublishDocument	Incremental sync of ship to locations from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. This integration point integrates ship to locations when you change a ship to location record in the PeopleSoft EnterpriseOne system.
SHIPTO_LOCATION	E1_ShipToRTE_To_ShipToLocation: convert_E1_ShipToRTE_To_E_ShipToLocation	notifyShipToEvent PublishDocument	Incremental sync of ship to locations from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. This integration point integrates ship to locations when you add a ship to location record in the PeopleSoft EnterpriseOne system.

Integration Points for Transactions

This table lists the integration points used by the Strategic Sourcing integration for the transfer of transactional data between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
SAC_PS_PO_EIP SAC_EXT_PO_STS_UPD	E_Sourcing_To_E1_PurchaseOrder: process_E_SourcingAward_To_E1_PO_And_Response	processPurchaseOrder	As a result of a buy event, this integration point sends an outbound purchase order message from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system and creates a corresponding purchase order or blanket order in the PeopleSoft EnterpriseOne system. The PeopleSoft Enterprise system is notified whether the transaction was successful or in error.
SAC_PS_SS_PRTIER_EIP	E_TierPricing_To_E1_Pricing: convert_E_TierPricing_To_E1_Pricing	processSupplierCatalogPrice	Sends a tiered pricing event from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.
VENDOR_SYNC SAC_EXT_VENDR_STS_UPD	E_Vendor_To_E1_Supplier: convert_E_Vendor_To_E1_Supplier_and_Response	processSupplier	Sends a vendor that is created spontaneously in the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

Assumptions for Implementation

In the PeopleSoft Enterprise system, modify the Permissions list to not allow items to be added in the PeopleSoft Enterprise system.

In the PeopleSoft EnterpriseOne system, the Multi-Currency Conversion option in the General Accounting Constants must be *Y* (Use multi-currency acct-multi.).

If an item in the PeopleSoft EnterpriseOne system has a cost amount of 0, that item is created in the PeopleSoft Enterprise system with a blank cost. Items with blank costs cannot be included on sourcing events.

CHAPTER 27

Setting Up the PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement Integration

This chapter discusses how to:

- Set up the Strategic Sourcing integration in the PeopleSoft Enterprise database.
- Set up the Strategic Sourcing integration in the Integration Server.

Setting Up the Strategic Sourcing Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discusses how to:

- Activate message channels for the Strategic Sourcing integration.
- Activate messages for the Strategic Sourcing integration.
- Set up integration transactions for the Strategic Sourcing integration.
- Add channels to permissions for the Strategic Sourcing integration.
- Activate message subscriptions for the Strategic Sourcing integration.
- Increase the size of the Account ChartField.
- Set up the external integration and node in the PeopleSoft Enterprise system.
- Set up vendor tax and payment information.

Note. Integration with the PeopleSoft EnterpriseOne system requires the application server for the database to be configured with Pub/Sub Servers active. Also, the Process Scheduler Server must be running.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise Financials/SCM database:

- Set up the local gateway in the PeopleSoft Enterprise Financials/SCM database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 and PSFT_EP message nodes.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Pages Used to Set Up the Strategic Sourcing Integration in the PeopleSoft Enterprise Database

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Advanced Configuration	FS_CF_TEMPLATE	Set Up Financials/Supply Chain, Common Definitions, Design ChartFields, Configure, Advanced Configuration	If the combination of the object and subsidiary portions of PeopleSoft EnterpriseOne account numbers exceeds 10 characters, configure the ChartField accounts from 10 characters to 15.
Business Unit Definition	BUS_UNIT_C_A1	Set Up Financials/Supply Chain, Business Unit Related, Sourcing, Business Unit Definition	Set the external integration and node in the PeopleSoft Enterprise system to enable awarded events to be published to the PeopleSoft EnterpriseOne Procurement system.

Activating Message Channels for the Strategic Sourcing Integration

Verify that these message channels have a message channel status of *Run*:

- BOM_MAINTENANCE
- ITEM_MAINTENANCE
- SAC_PS_EIP
- VENDOR
- SAC_ACCT_LOAD_CHNL
- ENTERPRISE_SETUP
- SAC_PRTIER_STS_CHNL

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the Strategic Sourcing Integration

Verify that these messages are active:

- SAC_EXT_PO_STS_UPD
- SAC_PS_SS_PRTIER_EIP

- VENDOR_SYNC
- SAC_EXT_VENDR_STS_UPD
- BOM_SYNC
- SHIPTO_LOCATION
- LOCATION_SYNC
- SAC_PS_PO_EIP
- ITEM_SYNC
- SAC_ACCT_LOAD_EIP

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Setting Up Integration Transactions for the Strategic Sourcing Integration

You must activate these nodes and their associated transactions:

Node Name	Transaction Name	Version	Transaction Type	Routing Type	Response Message
PSFT_E1	BOM_SYNC	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	ITEM_SYNC	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	ITEM_PRICELIST_LOAD	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	LOCATION_SYNC	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	SAC_PS_PO_EIP	VERSION_1	OutSync	Explicit	SAC_EXT_PO_STS_UPD VERSION_1
PSFT_E1	SAC_PS_SS_PRTIER_EIP	VERSION_1	OutAsync	Implicit	n/a
PSFT_E1	SHIPTO_LOCATION	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	VENDOR_SYNC	VERSION_1	InAsync	Implicit	n/a
PSFT_E1	VENDOR_SYNC	VERSION_1	OutSync	Explicit	SAC_EXT_VNDR_STS_UPD VERSION_1

For synchronous transaction messages, you must select *Header and Detail* in the Synchronous Logging drop-down list box on the Messages tab, as shown in this example:

Transactions

Messages

Node Name PSFT_E1

Transaction Messages

Find | View All First 1 of 1 Last

Effective Date

01/01/1900

Status

Active

Transaction Type

OutSync

*Synchronous Logging

Header and Detail

Request Message

Message Name

SAC_PS_PO_EIP

Message Version

VERSION_1

External Name

Response Message

Message Name

SAC_EXT_PO_STS_UPD

Message Version

VERSION_1

External Name

[Return to Transaction List](#)

Transactions page: Messages tab

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Adding Channels to Permissions for the Strategic Sourcing Integration

To send and receive sourcing events in the PeopleSoft Enterprise system, you must set the channel permissions for the SAC_PS_EIP channel.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Adding Channels to Permissions, page 17.](#)

Activating Message Subscriptions for the Strategic Sourcing Integration

Verify that these message subscriptions are active:

Message Name	Subscription Name
BOM_SYNC	BOMSync
ITEM_SYNC	ItemSync

Message Name	Subscription Name
LOCATION_SYNC	LocationSync
SAC_ACCT_LOAD_EIP	SACAcctLoad
SHIPTO_LOCATION	ShiptoLocation
VENDOR_SYNC	VendorSync

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.

Increasing the Size of the Account ChartField

Access the Advanced Configuration page.

Advanced Configuration		Standard Configuration				
	Status	Order	ChartField	Field Long Name	Field Length	
☐	Active	1	ACCOUNT	Account	15	
☐	Active	2	ALTACCT	Alternate Account	10	
☐	Active	3	OPERATING_UNIT	Operating Unit	8	Change Name
☐	Active	4	FUND_CODE	Fund Code	5	Change Name
☐	Active	5	DEPTID	Department	10	
☐	Active	6	PROGRAM_CODE	Program Code	5	Change Name
☐	Active	7	CLASS_FLD	Class Field	5	Change Name
☐	Active	8	BUDGET_REF	Budget Reference	8	Change Name
☐	Active	9	PRODUCT	Product	6	Change Name
☐	Active	10	BUSINESS_UNIT_PC	PC Business Unit	5	
☐	Active	11	PROJECT_ID	Project	15	
☐	Active	12	ACTIVITY_ID	Activity	15	
☐	Active	13	RESOURCE_TYPE	Source Type	5	
☐	Active	14	RESOURCE_CATEGORY	Category	5	
☐	Active	15	RESOURCE_SUB_CAT	Subcategory	5	
☐	Active	16	AFFILIATE	Affiliate	5	
☐	Active	17	AFFILIATE_INTRA1	Fund Affiliate	10	Change Name
☐	Active	18	AFFILIATE_INTRA2	Operating Unit Affiliate	10	Change Name
☐	Inactive	99	CHARTFIELD1	ChartField 1	10	
☐	Inactive	99	CHARTFIELD2	ChartField 2	10	
☐	Inactive	99	CHARTFIELD3	ChartField 3	10	

Advanced Configuration page

1. Set the account length to 15.

2. Click the Configure button to run the FS_CONFIG program.
3. Generate the PSBUILD.SQL script in Application Designer by opening the FS_CS_ALTER_TABLE project and selecting to build the project using the Alter Tables and Build script file build options.
4. Run the PSBUILD from the SQL Analyzer.
5. Open the project FS_CF_CREATE_VIEW to re-create all views that contain the ACCOUNT field.

Note. Consult the documentation that is listed in the See Also subtopic section for full details.

See Also

PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, "Configuring ChartFields"

Setting Up the External Integration and Node in the PeopleSoft Enterprise System

Access the Business Unit Definition page.

Business Unit Definition

Default Dates

Unit:

US001

US001 NEW YORK OPERATIONS

Short Description:

US001

Business Unit Definition

Location Code:

US001

Dispatch Method:

Email

Billing Location:

US001

Currency Code:

USD

AM Business Unit:

US001

Rate Type:

CRRNT

Bill Source:

STRATSOURC

☒ Allow MultiCurrency Events

☐ Log History of Event Changes

☐ Require New Version for Edits

☐ Permit Award to Previous Round

External PO Integration:

EnterpriseOne Integration

Integration Node:

PSFT_E1

Business Unit Definition page

Note. After you select a value in the External PO Integration field, you can have only one schedule per line. Also, any comments or attachments that are included in the event are not sent to the PeopleSoft EnterpriseOne system. The system automatically publishes the purchase order when you click the Post Award button on the Award Details page.

External PO Integration
(external purchase order integration)

Select this option enable awarded events to be published to external purchasing systems. The system automatically publishes the purchase order when you click the Post Award button on the Award Details page. With this option selected, you can't award buy events to PeopleSoft Purchasing.

Integration Node

Enter the default node to use for the business unit. You can set a different node for each business unit. This node is used to transfer data only when integrating to an external purchasing system.

Setting Up Vendor Tax and Payment Information

In order to include the tax explanation code, tax rate/area, and payment instrument on the vendor message that is sent from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system when you are creating a supplier/vendor record for a bidder, you set up the VENDOR_SYNC message to include this tax and payment information.

To set up vendor tax and payment information:

1. Access Application Designer for the Financials/SCM database.
2. Open the VENDOR_SYNC message.
3. Highlight the VENDOR_LOC portion of the message under VNDR_LOC_SCROLL.
4. Select the Included check box for these fields and then save the message:
 - SALETX_TOL_CUR_CD
 - SUT_BASE_ID
 - PAY_TRM_BSE_DT_DFT

Setting Up the Strategic Sourcing Integration in the Integration Server

This section lists a prerequisite and discusses how to:

- Enable PeopleSoft EnterpriseOne adapter listener notifications for the Strategic Sourcing integration.
- Set up integration options for the Strategic Sourcing integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener. Enabling the adapter consists of enabling the PeopleSoft EnterpriseOne connection and the corresponding Events connection.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21](#).

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21](#).

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the Strategic Sourcing Integration

If you are using realtime events for the incremental synchronization of master data, enable the listener and these listener notification services within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.AddressBook:notifyAddressBook
- AdapterServices.Notification.AddressBook:notifyShipToEvent
- AdapterServices.Notification.Financials:notifyGLAccountEvent

- AdapterServices.Notification.Inventory:notifyItemCostEvent
- AdapterServices.Notification.Inventory:notifyItemMasterEvent
- AdapterServices.Notification.Inventory:notifyItemUOMEvent
- AdapterServices.Notification.Supplier:notifySupplierEvent

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the Strategic Sourcing Integration

This section lists integration options used by all integration points for the Strategic Sourcing integration as well as the integration options for these integration points:

- Accounts
- Suppliers to Vendors
- Items
- Item Units of Measure
- Item Costs
- Supplier Costs to Item Price Lists
- Ship To Locations
- Bills of Material (BOMs)
- Purchase Orders
- Tiered Pricing
- Bidder to Vendor and Supplier

Integration Options Used by All Integration Points

All integration points that are used in the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement integration require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_Dispatcher, Outbound	DispatcherDefaultTransportType	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The system uses the value from this integration option if the Transaction Transport option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport at this level (PPI) so that you don't have to set it for each flow. The default value is <i>http</i>.
PSFT_Dispatcher, Outbound	DispatcherDefaultTransportAddress	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). The system uses the value from this integration option if the Transaction Transport Address option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport address at this level (PPI) so that you don't have to set it for each flow. This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i>.

Accounts

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Account_To_E_SRM_Account
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_Account_To_E_Account

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Account_To_E_SRM_Account	Account Set ID	Specify the default setID for account entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Account_To_E_SRM_Account	Directory From Location - E1	Specify the directory that contains the f0901batchload.txt file that is generated by the Account Master Batch Load program (R8909F0901). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Account_To_E_SRM_Account	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Account_To_E_SRM_Account	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Suppliers to Vendors

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Supplier_To_E_Vendor
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_Supplier_To_E_Vendor

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Supplier_To_E_Vendor	Default SetID	Specify the default setID for vendor entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads, E1_Supplier_To_E_Vendor	Directory From Location - E1	Specify the directory that contains the f0401batchload.txt file that is generated by the Supplier Master Batch Load program (R8901F0401). This value is an example: <i>\\machinename\pyexport</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_ To_E_Vendor	Email Type	Specify the email type that is used when retrieving the contact's email address in the PeopleSoft EnterpriseOne system. This value is an example: <i>E</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_ To_E_Vendor	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_ To_E_Vendor	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Items

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemMaster_To_E_Item
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ItemMaster_To_E_Item

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Default Category Code	Specify the default category code for item entries. This integration option is used to populate the CATEGORY_CD field in the ITEM_SYNC message for the incremental sync of items. For the batch load of items, the actual category code from the Commodity Class field (PRP1) in the PeopleSoft EnterpriseOne Item Master table (F4101) is sent to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Default SetID	Specify the default setID for item entries. This value is an example: <i>SHARE</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Directory From Location - E1	Specify the directory that contains the f4101batchload.txt file that is generated by the Item Master Batch Load program (R8941F4101). This value is an example: <i>\\machine\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machine:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_SRM, RealTimeDataSyncs, E1_ItemMaster_ To_E_Item	Valid Stocking Types	Specify the stocking types to be transferred in the ITEM_SYNC message for the incremental sync of items. Separate multiple values with a pipe character (). This value is an example: <i>S P N O</i> . For the batch load of items, you run the integration once for each stocking type that you want to integrate.

Item Units of Measure

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemUOM_To_E_ItemUOM
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ItemUOM_To_E_ItemUOM

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_ E_ItemUOM	Default SetID	Specify the default setID for unit of measure conversion entries. This value is an example: <i>SHARE</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_ E_ItemUOM	Directory From Location - E1	Specify the directory that contains the ShipToBatchLoad.txt file that is generated by the Extract Branch/Plant Ship Tos program (R89F41001). This value is an example: <i>\\machinename\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_ E_ItemUOM	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_ E_ItemUOM	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Item Costs

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemCost_To_E_Item
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ItemCost_To_E_Item

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemCost_ To_E_Item	Directory From Location - E1	Specify the directory that contains the f4105batchload.txt file that is generated by the Item Cost Batch Load program (R8941F4105). This value is an example: <i>\\machinename\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemCost_ To_E_Item	Item Cost SetID	Specify the default setID for item cost entries. This value is an example: <i>SHARE</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemCost_ To_E_Item	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemCost_ To_E_Item	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Supplier Costs to Item Price Lists

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_SupplierItemCost_To_E_SRM_ItemPriceList flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ SupplierItemCost_To_E_SRM_ ItemPriceList	Directory From Location - E1	Specify the directory that contains the v4101FJbatchload.txt file that is generated by Item Cost Batch Load program (R89F4101A). This value is an example: <i>\\machinename\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ SupplierItemCost_To_E_SRM_ ItemPriceList	Supplier Item Cost Set ID	Specify the default setID for item price list entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ SupplierItemCost_To_E_SRM_ ItemPriceList	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ SupplierItemCost_To_E_SRM_ ItemPriceList	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Ship To Locations

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ShipTo_To_E_ShipToLocation
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ShipToRTE_To_E_ShipToLocation
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_AddressBookRTE_To_E_ShipToLocation

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Default Set ID	Specify the default setID for ship to location entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Directory From Location - E1	Specify the directory that contains the ShipToBatchLoad.txt file that is generated by the Extract Branch/Plant Ship Tos program (R89F41001). This value is an example: \\machinename\pyexport.
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	In File Name - E1	Specify the name of the flat file that is generated by the PeopleSoft EnterpriseOne system. This value is an example: <i>ShipToBatchLoad.txt</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Bills of Material

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_BillofMaterials_To_E_BOM flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ BillofMaterials_To_E_BOM	Bom State	Specify the BOM State in the PeopleSoft Enterprise system, either Manufacturing or Engineering. The default value is <i>PR</i> (Manufacturing).

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ BillOfMaterials_To_E_BOM	Directory From Location - E1	Specify the directory that contains the ShipToBatchLoad.txt file that is generated by the Extract Branch/Plant Ship Tos program (R89F41001). This value is an example: <i>\\machine\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ BillOfMaterials_To_E_BOM	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ BillOfMaterials_To_E_BOM	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machine:port/PSIGW/HttpListeningConnector.</i>

Purchase Orders

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.StrategicSourcing.E_Sourcing_To_E1_PurchaseOrder flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_Sourcing_ To_E1_PurchaseOrder	Processing Version - E1 Blanket Order	Specify the version of the Enter Purchase Orders program (P4310) to use when creating blanket orders for PeopleSoft Enterprise Sourcing award type contract (CON). The purchase order is created in the PeopleSoft EnterpriseOne system using the document type and other settings from the processing options of the version that you specify. This value is an example: <i>ZJDE0006</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_Sourcing_ To_E1_PurchaseOrder	Processing Version - E1 Purchase Order	Specify the version of the Enter Purchase Orders program (P4310) to use when creating purchase orders for PeopleSoft Enterprise Sourcing award type purchase order (GEN). The purchase order is created in the PeopleSoft EnterpriseOne system using the document type and other settings from the processing options of the version you specify. This value is an example: <i>ZJDE0005</i> .
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_Sourcing_ To_E1_PurchaseOrder	Service Line Type	Specify the order line type that you use to distinguish service purchase orders in the PeopleSoft EnterpriseOne system. The default value is <i>J</i> . Note. If you are integrating both PeopleSoft Enterprise Strategic Sourcing and PeopleSoft Enterprise eProcurement with PeopleSoft EnterpriseOne Procurement, make sure that you use a different EnterpriseOne document type for purchase orders that originate in Strategic Sourcing than you do for purchase orders that originate in eProcurement.

See Chapter 28, “Setting Up Prerequisite Data for the Strategic Sourcing Integration,” Setting Up Manual Data for the Strategic Sourcing Integration, page 225.

Tiered Pricing

The integration options in this section are used by the PSFT_EnterpriseOne_SRM:StrategicSourcing:E_TierPricing_To_E1_Pricing flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_TierPricing_To_ E1_Pricing	Default Catalog	Specify the catalog ID that is assigned to PeopleSoft EnterpriseOne pricing records that are created from PeopleSoft Enterprise tiered pricing records. The catalog that you enter must be a value in UDC 40/CN in the PeopleSoft EnterpriseOne system.

Bidder to Vendor and Supplier

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.StrategicSourcing.E_Vendor_To_E1_Supplier flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_Vendor_ To_E1_Supplier	SupplierSearchType	Specify the search type for suppliers in the PeopleSoft EnterpriseOne system. The default value is <i>K</i> .
PSFT_EnterpriseOne_SRM, StrategicSourcing, E_Vendor_ To_E1_Supplier	SyncTimeOut	Specify the number of milliseconds that the Integration Server should wait before timing out when sending a message.

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 28

Setting Up Prerequisite Data for the Strategic Sourcing Integration

This chapter discusses how to:

- Set up manual data for the Strategic Sourcing integration.
- Load master data for the Strategic Sourcing integration.
- Set up cross-references for the Strategic Sourcing integration.

Setting Up Manual Data for the Strategic Sourcing Integration

Due to their static nature, certain entities must be manually synchronized between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You must load the values for these PeopleSoft EnterpriseOne codes into the PeopleSoft Enterprise system before you run the integration:

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation
Business Unit	Branch/Plant	Set Up Financials/Supply Chain, Business Unit Related, Sourcing, Business Unit Definition	Procurement System Setup (G43A41), Branch/Plant Constants
Country	Country	Set Up Financials/Supply Chain, Common Definitions, Location, Country	UDC 00/CN
Currency Code	Currency Code	Set Up Financials/Supply Chain, Common Definitions, Currency, Currency Code	Multi-Currency Setup (G1141), Designate Currency Codes
Freight Terms	Freight Handling Code	Set Up Financials/Supply Chain, Common Definitions, Shipping and Receiving, Freight Terms	UDC 42/FR

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation
Item Category	Item Master Commodity Class Codes	Items, Define Controls, Item Categories	Inventory Master /Transactions (G4111), Item Master Select Category Codes, Commodity Class from the Row menu. Use UDC 41/P1 to set up valid commodity classes.
Manufacturing Business Unit	Branch/Plant	Items, Define Items and Attributes, Define Business Unit Item	Procurement System Setup (G43A41), Branch/Plant Constants.
Payment Terms	Payment Terms	Set Up Financials/Supply Chain, Product Related, Procurement Options, Payments, Payment Terms – Single Payment	Payment Terms Revisions (G00141), Payment Terms Revisions
Ship Via Codes	Mode of Transport	Set Up Financials/Supply Chain, Common Definitions, Shipping and Receiving, Ship Via Codes	UDC 00/TM
State	State	Set Up Financials/Supply Chain, Common Definitions, Location, State	UDC 00/S
N/A	Tax Rate Areas Tax Explanation Codes	N/A	Tax Processing and Reporting (G0021), Tax Rate/Areas
Unit of Measure	Unit of Measure	Set Up Financials/Supply Chain, Common Definitions, Units of Measure, Units of Measure	UDC 00/UM
Vendor Roles	Supplier	- Vendors, Vendor Information, Add-Update, Vendor, Vendor User, or Define Vendor User - Vendors, Vendor Information, Add-Update, Vendor User - Vendors, Vendor Information, Add-Update, Define Vendor User	Daily Processing (G0110), Address Book Revisions Use Search Type UDC (01/ST)

Business Units

Manually enter the PeopleSoft EnterpriseOne business unit (MCU) value for the branch/plant as the description of the branch/plant in the PeopleSoft Enterprise system. Entering the PeopleSoft EnterpriseOne business unit number in the PeopleSoft Enterprise system makes it easier to look up corresponding branch/plants in the two systems.

Countries

The default in the PeopleSoft Enterprise system is a three-digit value; two-digit values need to be set up. A blank value in PeopleSoft EnterpriseOne user defined codes is invalid when running this integration.

Currency Codes

A blank value in the PeopleSoft EnterpriseOne system is invalid when running this integration.

Item Categories and Item Master Commodity Class Codes

The PeopleSoft Enterprise system has both a category ID and a category name. The category ID is assigned by next numbers. You should enter category names in the PeopleSoft Enterprise system that match the commodity class codes in UDC 41/P1 in the PeopleSoft EnterpriseOne system.

Manufacturing Business Units and Branch/Plants

You must set up business unit and item relationships in the PeopleSoft Enterprise system by using valid branch plants and items from the PeopleSoft EnterpriseOne system in order to integrate bills of material.

The business unit and item relationship in the PeopleSoft Enterprise system has no correlation with the branch plant and item relationship in the PeopleSoft EnterpriseOne system.

Payment Terms

This integration supports simple payment terms only.

States

State codes in the PeopleSoft Enterprise system have an associated two-digit country code.

You must associate states with countries in the PeopleSoft EnterpriseOne system. Make sure that you use country codes that are valid in the PeopleSoft EnterpriseOne system when you set up these relationships.

Tax Rate Areas

You must set up a tax rate area named and a tax explanation code for entities that are tax exempt. You must also specify this tax rate area and tax explanation code in the integration options for the processPurchaseOrder interface flow.

See [Chapter 27, “Setting Up the PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement Integration,” Setting Up Integration Options for the Strategic Sourcing Integration, page 214.](#)

If a purchase order award is sent from the PeopleSoft Enterprise system with any value in the Tax Exempt Certificate field, the purchase order is created in the PeopleSoft EnterpriseOne system with the tax rate area and tax explanation code that you specified in these integration options.

Units of Measure

Dual unit of measure transactions are not supported for this integration.

The default in the PeopleSoft Enterprise system is a three-digit value; two-digit values need to be set up.

Vendor Roles and Suppliers

The Supplier Master Batch Load automatically loads all PeopleSoft EnterpriseOne suppliers to PeopleSoft Enterprise vendors. You must manually set up vendor roles in the PeopleSoft Enterprise system only. They are used to set up the vendor's user ID, define the actions that the vendor can complete, and enable the vendor to sign on to the PeopleSoft Enterprise system.

Loading Master Data for the Strategic Sourcing Integration

This section provides overviews of the process of loading PeopleSoft EnterpriseOne data into PeopleSoft Enterprise tables and of the synchronization of master data for the Strategic Sourcing integration, lists prerequisites, and discusses how to:

- Set processing options for Account Master Batch Load (R8909F0901).
- Set processing options for Supplier Master Batch Load (R8901F0401).
- Set processing options for Item Master Batch Load (R8941F4101).
- Set processing options for Item Cost Batch Load (R8941F4105).
- Set processing options for Supplier Price Batch Load - F41061 (R8945F4161).
- Set processing options for Unit of Measure Batch Load (R89F41002).
- Run batch integrations in the Integration Server for the Strategic Sourcing integration.

Understanding the Loading PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Tables for the Strategic Sourcing Integration

Perform initial loading of this PeopleSoft EnterpriseOne data to corresponding PeopleSoft Enterprise tables:

- Accounts
- Suppliers
- Items
- Item Cost
- Supplier Item Cost
- Ship To
- Bill of Materials
- Item Unit of Measure Conversions

This table describes the initial data loads that you must perform:

Table Conversion Program	Export File Name	Batch Integration Flow	PeopleSoft Enterprise Message
Account Master Batch Load (R8909F0901)	f0901batchload.txt	E1_Account_To_E_SRM_Account: convertAccountToAccountLoad	SAC_ACCT_LOAD_EIP
Supplier Master Batch Load (R8901F0401)	f0401batchload.txt	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor_And_Dispatch	VENDOR_SYNC
Item Master Batch Load (R8941F4101)	f4101batchload.txt	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	ITEM_SYNC
Item Cost Batch Load (R8941F4105)	f4105batchload.tx	.E1_ItemCost_To_E_Item: convert_E1_ItemCost_To_E_Item	ITEM_SYNC
Supplier Price Batch Load - F41061 (R8945F4161)	v4101FJbatchload.txt	E1_SupplierItemCost_To_E_SRM_ItemPriceList: convertSupplierItemCostToItemPriceList	ITEM_PRICELIST_LOAD
Extract Branch /Plant Ship Tos (R89F41001)	ShipToBatchLoad.txt	E1_ShipTo_To_E_ShipToLocation: convert_ShipTo_To_ShipToLocation	SHIPTO_LOCATION
Bill of Materials Batch Load (R8930F3002)	F3002BatchLoad.txt	E1_BillofMaterials_To_E_BOM: convert_E1_BOM_To_E_BOM	BOM_SYNC
Unit of Measure Batch Load (R89F41002)	F41002BatchLoad.txt	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ItemUOM	ITEM_SYNC

Note. The integration service flows for the batch loads are located in the PSFT_EnterpriseOne_SRM/InitialBatchLoads folder.

Account Master Batch Load

This initial batch load sends account information from the PeopleSoft EnterpriseOne Account Master table (F0901) to the PeopleSoft Enterprise GL_ACCOUNT_TBL table.

The integration server sends the object and subsidiary portions of the PeopleSoft EnterpriseOne account number, separated by the account delimiter from the PeopleSoft EnterpriseOne General Constants table (F0009).

Only certain ranges of general ledger account numbers need to be integrated. For example, you might want to load only the expense accounts that support the items or services that are being placed on the requisitions.

You can limit the general ledger accounts that are integrated for the initial batch load by using the processing options on the Account Master Batch Load program (R8909F0901). Expense accounts tend to fall into certain ranges. For example, if the PeopleSoft EnterpriseOne expense accounts are within object account numbers 1000-1499, and 5000-5499, then set up those ranges for the initial batch load and only those object account numbers are integrated with the PeopleSoft Enterprise system.

You can use a realtime event to integrate accounts that are added after the initial batch load. However, the realtime event does not recognize the account range that you define for the initial batch load and may integrate accounts that are outside of this range. If you prefer not to use a realtime event to integrate account additions, you can run the Account Master Batch Load again, specifying an effective date and the appropriate account range in the processing options of the table conversion program.

The account message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the account loader to update the PeopleSoft Enterprise tables.

SAC_ACCT_LOAD_EIP does not include an action code. Therefore, when you integrate an object account and subsidiary combination that has already been integrated, the system assumes that it is a change to the existing object account and subsidiary combination and overwrites the record in the PeopleSoft Enterprise system.

See [Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Table Conversion Programs, page 5.](#)

See [Chapter 27, “Setting Up the PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement Integration,” Setting Up Integration Options for the Strategic Sourcing Integration, page 214.](#)

Supplier Master Batch Load

This initial batch load sends supplier records from these PeopleSoft EnterpriseOne tables to the PeopleSoft Enterprise VENDOR table:

- Supplier Master (F0401).
- Address by Date (F0116).
- Address Book - Who's Who (F0111).
- Address Book - Contact Phone Numbers (F0115).
- Electronic Address (F01151).

Vendors are automatically assigned the vendor persistence setting regular in the PeopleSoft Enterprise system.

The alpha name from the f0401batchload.txt file, which comes from the Alpha Name field (ALPH) in the Address Book Master table (F0101), is truncated to 14 characters and is mapped to the VENDOR_NAME_SHORT field in the VENDOR_SYNC EIP. If the combination of the VENDOR_NAME_SHORT and the SETID for a record is not unique, the VENDOR_SYNC cannot process the record and returns an error.

Effective-dated supplier records are not supported.

Any subsequent additions or changes to supplier information in the PeopleSoft EnterpriseOne system that occur after the initial batch load is run should be sent to the PeopleSoft Enterprise system by the realtime event. Should you choose to reprocess the initial batch load rather than using the realtime event, additions are processed, but changes to existing supplier records produce errors. Deletions of supplier records are not supported at this time.

Item Master Batch Load

This initial batch load sends items from the PeopleSoft EnterpriseOne Item Master table (F4101) to the PeopleSoft Enterprise Item Master, MASTER_ITEM, INV_ITEM tables.

Important! You must run the account master batch load before you run the item master batch load so that the items can be attached to valid accounts.

You must run the item master batch integration, including running both the table conversion program and the integration flow, once for each stocking type that you want to integrate. You should not include stocking types that are obsolete.

If you run the item master batch integration a second time for a single stocking type because of a problem with the initial load, you must clear the item key cross-reference before you rerun the batch integration.

See [Chapter 28, “Setting Up Prerequisite Data for the Strategic Sourcing Integration,” Setting Up Key Cross-References for the Strategic Sourcing Integration, page 241.](#)

The item message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

The integration does not support configured items (stocking type C). If you load configured items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, the items are added, but the configuration is not maintained. If you load a parent configured item, the child configurations are not maintained.

Effective-dated items are not supported.

If approval processing is not activated in the PeopleSoft Enterprise system, items are automatically set to the pending approval (active) status.

Any subsequent additions, changes, or deletions/obsoletions of item master records in the PeopleSoft EnterpriseOne system that occur after the initial batch load is run should be sent to the PeopleSoft Enterprise system by the realtime event. Should you choose to reprocess the initial batch load rather than using the realtime event, additions are processed, but changes and deletions produce errors.

Item Cost Batch Load

This initial batch load sends item cost information from the PeopleSoft EnterpriseOne Item Cost File table (F4105) to the standard price for an item in the PeopleSoft Enterprise PURCH_ITEM_ATTR table.

Important! You must run the item master batch load before you run the item cost batch load.

The process of determining whether to load the cost information for an item depends on the cost level of the item. This table explains the process:

Cost Level	Process
1	The table conversion program compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.

Cost Level	Process
2	The table conversion program compares the value in the Branch/Plant processing option on the table conversion program to the Branch Plant (MCU) in the Item Cost File table (F4105). If two branch plants are the same, the table conversion compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.
3	The table conversion program compares the value in the Branch/Plant processing option on the table conversion program to the Branch Plant (MCU) in the Item Cost File table (F4105). If two branch plants are the same, the table conversion compares the primary location (LOCN) from the Item Location File table (F41021) with the primary location (LOCN) from the Item Cost File table (F4105). If the two primary locations are the same, the table conversion compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.

Note. If an item cost record fails any test described in the preceding table, that record is not written to the flat file.

The item cost message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

If you run the item cost batch integration a second time because of a problem with the initial load, you must clear the itemcost key cross-reference before you rerun the batch integration.

Any subsequent additions or changes to item cost information in the PeopleSoft EnterpriseOne system that occur after the initial batch load is run should be sent to the PeopleSoft Enterprise system by the realtime event. Should you choose to reprocess the initial batch load rather than use the realtime event, additions are processed, but changes produce errors. Deletions are not supported at this time.

Supplier Price Batch Load

This initial batch load sends supplier item cost information from the PeopleSoft EnterpriseOne Supplier Price/Catalog File table (F41061) to the PeopleSoft Enterprise ITEM_VENDOR_UOM staging tables.

Important! The Supplier Price batch load requires that two additional programs are run in the PeopleSoft Enterprise system in order to properly load the tables.

See PeopleSoft Enterprise Managing Items 8.9 PeopleBook, “Loading Items.”

The supplier price batch load is optional.

The Quantity Break field in PeopleSoft EnterpriseOne table F41061 is not sent to the PeopleSoft Enterprise system. If table F41061 contains two records for the same item with the same UOM (unit of measure), one with a Quantity Break and one without, the batch load fails.

The PeopleSoft Enterprise system assumes that the unit of measure on the first supplier price record is the default unit of measure. However, the first record that is sent from the PeopleSoft EnterpriseOne system might not use the standard unit of measure for the item. After you perform the initial load of supplier prices, you may need to correct the default unit of measure in the PeopleSoft Enterprise system.

Ship To Batch Load

This initial batch load sends ship to information from the PeopleSoft EnterpriseOne Inventory Constants table (F41001) to the PeopleSoft Enterprise SHIPTO_TBL, SUT_DFLT_TBL, COMMENTS_TBL, and LOCATION_TBL tables.

The mailing name from the PeopleSoft EnterpriseOne system is truncated to 30 characters in the PeopleSoft Enterprise system and the alpha name is truncated to 10 characters in the PeopleSoft Enterprise system.

If you are using both the Sourcing integration and version two or later of the eProcurement integration, you must run the batch load for each integration by running the R89F41001 table conversion for the Sourcing integration and the R8901F0101 table conversion for the eProcurement integration. You then run the E1_ShipTo-To_E_ShipToLocation flow twice, specifying the appropriate flat file name in the In File Name - E1 integration option before each time you run the flow.

If you run the ship to batch integration a second time because of a problem with the initial load, you must clear the shipto cross-reference before you rerun the batch integration.

Any subsequent additions or changes to ship to locations that occur in the PeopleSoft EnterpriseOne system after the initial batch load is run should be sent to the PeopleSoft Enterprise system by the realtime event.

Bill of Materials Batch Load

This initial batch load sends bill of material (BOM) information from the PeopleSoft EnterpriseOne Bill of Material Master File table (F3002) to the PeopleSoft Enterprise EN_BOM_HEADER, EN_BOM_OUTPUTS, EN_BOM_COMPS, and EN_REF_DESIG2 tables.

Before you run the bill of materials batch load you must:

- Run the item master batch load.
- Manually set up business units in both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

See [Chapter 28, “Setting Up Prerequisite Data for the Strategic Sourcing Integration,” Setting Up Manual Data for the Strategic Sourcing Integration, page 225.](#)

- Define the business unit item in the PeopleSoft Enterprise system.

The Revision Control check box on the Define Business Unit Item - Manufacturing: General page must not be selected.

See PeopleSoft Enterprise Managing Items 8.9 PeopleBook, “Defining Items by Business Unit,” Defining Items at the Business Unit Level, Defining Manufacturing Information for an Item.

- Set up the *billtype* code cross-reference.

See [Chapter 28, “Setting Up Prerequisite Data for the Strategic Sourcing Integration,” Setting Up Code Cross-References for the Strategic Sourcing Integration, page 244.](#)

- In the PeopleSoft Enterprise system, set the obsolete date on the Manufacturing Options - BOM Message Default page to December 31, 2099.

See PeopleSoft Enterprise Manufacturing 8.9 PeopleBook, “Setting Up PeopleSoft Enterprise Manufacturing,” Defining Your Business Unit Structure, Establishing Manufacturing Business Units, Setting Up BOM Messages.

The BOM message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the BOM loader to update the PeopleSoft Enterprise SRM tables.

The QTY_PER field in the BOM message is limited to five digits before the decimal place and four digits after. The standard quantity required that is entered on a BOM in PeopleSoft EnterpriseOne must adhere to this decimal limitation.

Note. You must ensure that the CBLBIN parameter in the Process Scheduler section of the PeopleSoft Process Configuration file is correctly pointing to the path of the COBOL executables. You cannot use a PS_HOME environment variable, because PSADMIN employs the PS_HOME environment variable to point to a local directory on the batch server.

Item Unit of Measure Batch Load

This initial batch load sends unit of measure (UOM) conversion information from the PeopleSoft EnterpriseOne Item Units of Measure Conversion Factors to the PeopleSoft Enterprise INV_ITEM_UOM and UOM_TYPE_INV tables.

The PeopleSoft Enterprise system supports only unit of measure conversions from or to the primary (lowest) unit of measure. For example, if the primary unit of measure for an item is *EA* (each), a conversion from *BX* (boxes) to *EA* is supported, and a conversion from *EA* to *CA* (cases) is supported, but a conversion between *BX* (boxes) and *CA* (cases) is not supported.

Also, PeopleSoft Enterprise conversion rates cannot exceed seven integers and eight decimal places. A PeopleSoft EnterpriseOne conversion rate with more than seven integers or eight decimals (for example, 12345678.0 or 0.123456789) cannot be integrated with the PeopleSoft Enterprise system.

The item unit of measure message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

If you run the item unit of measure integration a second time because of a problem with the initial load, you must clear the itemUOM key cross-reference before you rerun the batch integration.

Any subsequent additions or changes to item unit of measure conversions that occur in the PeopleSoft EnterpriseOne system after the initial batch load is run should be sent to the PeopleSoft Enterprise system by the realtime event. Should you choose to reprocess the initial batch load rather than using the realtime event, additions are processed, but changes produce errors. Deletes are not supported at this time.

See Also

[Chapter 28, "Setting Up Prerequisite Data for the Strategic Sourcing Integration," Setting Up Key Cross-References for the Strategic Sourcing Integration, page 241](#)

PeopleSoft Enterprise Managing Items 8.9 PeopleBook, "Loading Items"

PeopleSoft Enterprise Manufacturing 8.9 PeopleBook, "Processing Staged BOMs"

Understanding the Synchronization of Master Data for the Strategic Sourcing Integration

Some changes to PeopleSoft EnterpriseOne companies, business units, and accounts may be to fields that are not integrated with the PeopleSoft Enterprise system. As a result, some incremental sync messages processed by the PeopleSoft Enterprise system might contain no changes to integrated data.

This table describes the incremental syncs provided in this integration:

EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	EIP
RTSMOUT	notifySupplierEvent PublishDocument	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor	VENDOR_SYNC
RTAMOUT	notifyGLAccountEvent PublishDocument	E1_Account_To_E_Account: convert_E1_AccountMaster_To_E_Account	SAC_ACCT_LOAD_EIP
RTABOUT	notifyAddressBook PublishDocument	E1_AddressBookRTE_To_ ShipToLocation: convert_E1_AddressBookRTE_To_E_ ShipToLocation	LOCATION_SYNC SHIPTO_LOCATION
RTSHPOUT	notifyShipToEvent PublishDocument	E1_ShipToRTE_To_ShipToLocation: convert_E1_ShipToRTE_To_E_ ShipToLocation	SHIPTO_LOCATION
RTIMOUT	notifyItemMasterEvent PublishDocument	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	ITEM_SYNC
RTCOSTOUT	notifyItemCostEvent PublishDocument	E1_ItemCost_To_E_Item: convert_E1_ItemCost_E_Item	ITEM_SYNC
RTUOMOUT	notifyItemUOMEvent PublishDocument	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ItemUOM	ITEM_SYNC

Note. The integration service flows for the incremental syncs are located in the PSFT_PeopleSoft EnterpriseOne_SRM, RealTimeDataSyncs folder.

Suppliers

Effective dating of suppliers is not supported; the PeopleSoft EnterpriseOne system sends an effective date of January 01, 1900 to the PeopleSoft Enterprise system for all suppliers. Therefore, the supplier incremental sync supports only the effective address, not future addresses.

Also, the supplier incremental sync supports only one address, one contact, and one email address for each supplier.

Accounts

You can use data selection to include a range of accounts for the initial load. However, data selection is not available for the incremental synchronization of accounts.

The PeopleSoft EnterpriseOne system invokes the realtime event for accounts when accounts are added, but not when accounts are changed or deleted. If you delete an account in the PeopleSoft EnterpriseOne system, you must also manually delete that account in the PeopleSoft Enterprise system.

Ship To Locations

When you change a ship to location in the PeopleSoft EnterpriseOne system, the RTABOUT realtime event is picked up by the E1_AddressBookRTE_To_E_ShipToLocation flow, which sends the data to the LOCATION_SYNC EIP and the SHIPTO_LOCATION EIP. When you add a ship to location in the PeopleSoft EnterpriseOne system, the RTSHPOUT realtime event is picked up by the E1_ShipToRTE_To_E_ShipToLocation flow, which sends data to the SHIPTO_LOCATION EIP.

When you change an address book record for a ship to location in the PeopleSoft EnterpriseOne system, you see two instances of the SHIPTO_LOCATION EIP in the PeopleSoft Enterprise Integration Broker Message Monitor, one for inbound and one for outbound. This integration uses only the inbound EIP.

You must enter a value of 2 (Populate Both Contact Information Fields and Array) in the Configure Contact Information processing option 1 to 2 on the Address Book Master Real Time Event Wrapper Application (P010085). If you do not set this processing option, the XML message that is sent to the PeopleSoft Enterprise system does not contain the correct information.

The incremental sync of ship to locations does not support deletions. If you delete a ship to location in the PeopleSoft EnterpriseOne system, you must manually inactivate the corresponding ship to location in the PeopleSoft Enterprise system.

Effective dating of ship to locations is not supported.

Items

When you delete an item in the PeopleSoft EnterpriseOne system, the item future status is marked as inactive in the PeopleSoft Enterprise system.

Unit of Measure - Weight and Unit of Measure - Volume are not supported on the item realtime event. However, these fields are included on the initial load.

Unit of Measure Conversions

You must manually keep the unit of measure master values in sync between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system. The PeopleSoft EnterpriseOne system invokes the realtime event for unit of measure conversions when records are added or changed, but not when records are deleted. If you delete a unit of measure conversion in the PeopleSoft EnterpriseOne system, you must manually delete the key cross-reference for itemUOM in the WSG Configuration Editor and the corresponding unit of measure conversion in the PeopleSoft Enterprise system.

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems will be encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where the PeopleSoft EnterpriseOne table conversions will create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for Account Master Batch Load (R8909F0901)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Account Master table (F0901). If you leave this processing option blank, the table conversion selects all records in table F0901. For the initial load of accounts, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F0901. For the initial load of accounts, leave this processing option blank to select all business units.
Business Unit - From	Specify the first business unit in a range of business units. The table conversion selects accounts within the business unit range that you specify. If you leave this processing option blank and complete the Business Unit - To processing option, the system selects accounts with business units up to and including the business unit specified in the Business Unit - To processing option. If you leave both this processing option and the Business Unit - To processing option blank, all business units are valid for selection.
Business Unit - To	Specify the last business unit in a range of business units. The table conversion selects accounts within the business unit range that you specify. If you leave this processing option blank and complete the Business Unit - From processing option, the system selects accounts with business units from and including the business unit specified in the Business Unit - From processing option. If you leave both this processing option and the Business Unit - From processing option blank, all business units are valid for selection.
Object Account - From	Specify the first object account in a range of object accounts. The table conversion selects accounts within the object account range that you specify. If you leave this processing option blank and complete the Object Account - To processing option, the system selects accounts with object accounts up to and including the object specified in the Object Account - To processing option. If you leave both this processing option and the Object Account - To processing option blank, all object accounts are valid for selection.
Object Account - To	Specify the last object account in a range of object accounts. The table conversion selects accounts within the object account range that you specify. If you leave this processing option blank and complete the Object Account - From processing option, the system selects accounts with object accounts from and including the object specified in the Object Account - From processing option. If you leave both this processing option and the Object Account - From processing option blank, all object accounts are valid for selection.
Subsidiary	Specify the subsidiary that the table conversion uses to select accounts.

If you leave this processing option blank, all subsidiaries are valid for selection.

Setting Processing Options for Supplier Master Batch Load (R8901F0401)

Processing options enable you to specify the default processing for programs and reports.

Default

- 1. Date - From**

Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Supplier Master table (F0401). If you leave this processing option blank, the table conversion selects all records in the F0401 table.

For the initial load of suppliers, leave this processing option blank to select all business units.
- 2. Time - From**

Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F0401 table.

For the initial load of suppliers, leave this processing option blank to select all business units.

Setting Processing Options for Item Master Batch Load (R8941F4101)

Processing options enable you to specify the default processing for programs and reports.

Default

- Date - From**

Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Master table (F4101). If you leave this processing option blank, the table conversion selects all records in the F4101 table.

For the initial load of items, leave this processing option blank to select all business units.
- Time - From**

Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F4101 table.

For the initial load of items, leave this processing option blank to select all business units.
- Stocking Type**

Specify the stocking type for nonstock transactions. The default value is *N*.

Setting Processing Options for Item Cost Batch Load (R8941F4105)

Processing options enable you to specify the default processing for programs and reports.

Default

Default Business Unit	Specify the default branch plant to be used when creating the flat file for items at cost level 2 or 3. If the branch plant you enter does not match the branch plant of the selected record, the record is not written to the flat file. If you leave this processing option blank, the item cost flat file is generated for all branch plants.
Default Location	Specify the default location for items at cost level 3. Enter <i>1</i> to select item cost records based on their primary location as defined in the Item Location File table (F41021). Leave this processing option blank to create the item cost flat file for all locations.
Stocking Type	Specify the stocking type for nonstock transactions. The default value is <i>N</i> .

Note. This integration supports only nonstock transactions.

Setting Processing Options for Supplier Price Batch Load - F41061 (R8945F4161)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Supplier Price/Catalog File table (F41061). If you leave this processing option blank, the table conversion selects all records in the F41061 table. For the initial load of supplier price, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F41061 table. For the initial load of supplier price, leave this processing option blank to select all business units.

Setting Processing Options for Unit of Measure Batch Load (R89F41002)

Processing options enable you to specify the default processing for programs and reports.

Default

Business Unit	Specify the branch/plant that the table conversion uses to select records from the Item Units of Measure Conversion Factors table (F41002). If you leave this processing option blank, the table conversion selects all records in the F41002 table. For the initial load of unit of measure conversions, leave this processing option blank to select all branch/plants.

Running Batch Integrations in the Integration Server for the Strategic Sourcing Integration

Use PeopleSoft EnterpriseOne WSG Integration Server or WSG Developer to invoke the batch integrations. The batch integration contains a flow service, which performs the necessary data transformations and exports an XML file that the PeopleSoft Enterprise system can receive.

To run the batch integrations manually, invoke these services:

Integration Service	Navigation
E1_Account_To_E_SRM_Account	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Account_To_E_SRM_Account, convertAccountToAccountLoad
E1_Supplier_To_E_Vendor	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_To_E_Vendor, convert_E1_Supplier_To_E_Vendor_and_Dispatch
E1_ItemMaster_To_E_Item	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_To_E_Item, convert_E1_ItemMaster_To_E_Item
E1_ItemCost_To_E_Item	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemCost_To_E_Item, convert_E1_ItemCost_To_E_Item
E1_SupplierItemCost_To_E_SRM_ItemPriceList	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_SupplierItemCost_To_E_SRM_ItemPriceList, convertSupplierItemCostToItemPriceList
E1_ShipTo_To_E_ShipToLocation	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_To_E_ShipToLocation, convert_ShipTo_To_ShipToLocation
E1_BillOfMaterials_To_E_BOM	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_BillOfMaterials_To_E_BOM, convert_E1_BOM_To_E_BOM
E1_ItemUOM_To_E_ItemUOM	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_E_ItemUOM, convert_E1_ItemUOM_To_E_ItemUOM

Note. Some firewalls and network settings can interfere with the retrieval of the text files from the designated network folder if on a different domain. If this problem occurs, copy the text files to a share drive on the same network domain as the WSG Integration Server.

See Also

webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services

Setting Up Cross-References for the Strategic Sourcing Integration

This section discusses how to:

- Set up key cross-references for the Strategic Sourcing integration.
- Set up code cross-references for the Strategic Sourcing integration.

Setting Up Key Cross-References for the Strategic Sourcing Integration

Key cross-references enable the system to reconcile the values that are used in the PeopleSoft Enterprise system and in the PeopleSoft EnterpriseOne system and to keep a record of the values that are integrated.

The integration requires that the key cross-references be set up in the PeopleSoft EnterpriseOne WSG Cross-Reference database. The system creates all of the key cross-references except for the *businessunit* cross-reference, which you must create manually.

Some of the key cross-references are used to determine whether a record that is being sent from the PeopleSoft EnterpriseOne system is being added or changed. If the record has a key that is already listed in the cross-reference, the record is considered to be a change. If the record's key is not already listed in the cross-reference, the record is considered to be an add.

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>businessunit</i>	You must manually set up this key cross-reference between PeopleSoft EnterpriseOne business units and PeopleSoft Enterprise business units. In the Native Key field, specify business units from the SOURCING_BUSINESS_UNIT field in the PeopleSoft Enterprise system. In the Canonical Key field, specify business units from the Business Unit field (MCU) of the Business Unit Master table (F0006) in the PeopleSoft EnterpriseOne system.

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>electronicaddresslinenumber</i>	The system creates this key cross-reference during the initial load of suppliers. This cross-reference is used by the incremental sync of suppliers to determine whether the email address that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: vendorID who's who line number email line number Note. The who's who line number is always <i>1</i>.
<i>E-SRM</i>	<i>item</i>	The system creates this key cross-reference during the initial load of items or when an item is added in the Item Master table in an incremental sync. This cross-reference is used by the incremental sync of items to determine whether the Item Master record that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added, changed, or deleted. The key is formatted as follows: item number
<i>E-SRM</i>	<i>itemcost</i>	The system creates this key cross-reference during the initial load of item cost information. This cross-reference is used by the incremental sync of item cost information to determine whether the item cost information that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: item number

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>itemUOM</i>	The system creates this key cross-reference during the initial load of item unit of measure conversions. This cross-reference is used by the incremental sync of item unit of measure conversions to determine whether the item unit of measure conversion that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: Item number from unit of measure to unit of measure primary unit of measure
<i>E-SRM</i>	<i>phonelinenumber</i>	The system creates this key cross-reference during the initial load of suppliers. This cross-reference is used by the incremental sync of suppliers to determine whether the phone number that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: vendorID who's who line number phone line number Note. The who's who line number is always <i>1</i>.
<i>E-SRM</i>	<i>shipto</i>	The system creates this key cross-reference during the initial load of ship to locations. Because ship to information can be loaded from different sources for the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration and the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement integration, this cross-reference is used by both the initial load and incremental sync of ship to locations to determine whether the phone number that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: address book number

Setting Up Code Cross-References for the Strategic Sourcing Integration

You must set up code cross-references to enable the system to reconcile the values used in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

This integration requires that code cross-references be set up in the PeopleSoft EnterpriseOne WSG Cross-Reference database. You set up code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference database. Specify the PeopleSoft Enterprise value as the Native Code and the PeopleSoft EnterpriseOne value as the Canonical Code.

Application ID	Object ID	Canonical Code	Native Code
<i>E-SRM</i>	<i>billtype</i>	Specify bill types from UDC 40/TB in the PeopleSoft EnterpriseOne system.	Specify these values from the BOM_TYPE field in the PeopleSoft Enterprise system: • PR (production) • RW (rework)
<i>E-SRM</i>	<i>commoditycode</i>	Specify commodity class codes from the Commodity Class field (PRP1) of the Item Master table (F4101) in the PeopleSoft EnterpriseOne system.	Specify category codes from the CATEGORY_ID field in the PeopleSoft Enterprise system. Note. These codes should be the same in both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.
<i>E-SRM</i>	<i>phonetype</i>	Specify codes from UDC 01/PH in the PeopleSoft EnterpriseOne system. Note. A blank phone type in the PeopleSoft EnterpriseOne system is invalid when running this integration.	• <i>BUSN</i> • <i>DORM</i> • <i>OTR</i> • <i>PGR1</i> • <i>PGR2</i> • <i>TELX</i> • <i>FAX</i> • <i>HOME</i> • <i>MAIN</i> • <i>CAMP</i> • <i>CELL</i>

CHAPTER 29

Using the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement Integration

This chapter provides overviews of the award to purchase order or blanket order process, the update tiered pricing process, and the supplier/vendor creation process, and discusses how to award events.

Understanding the Award to Purchase Order or Blanket Order Process

When you award a buy event, the PeopleSoft Enterprise system creates an outbound purchase order message (SAC_PS_PO_EIP) at the time of the award. The PeopleSoft EnterpriseOne system creates a purchase order or blanket order and sends the order ID number to PeopleSoft Enterprise Strategic Sourcing for tracking purposes.

The PeopleSoft EnterpriseOne system creates blanket orders for PeopleSoft Enterprise Sourcing award type contract (CON) and purchase orders for PeopleSoft Enterprise Sourcing award type purchase order (GEN).

Consider these points:

- The Line Type processing option on the versions of the Enter Purchase Orders program (P4310) that you specify in the integration options of the E_Sourcing_To_E1_PurchaseOrder flow must be blank so that the line type appears by default from the Item Master table (F4101).
- The schedule can contain only one line, and you cannot include attachments.
- If multiple vendors bid on an event and the award is granted to multiple vendors, the awards must be posted separately to generate a separate purchase order in the PeopleSoft EnterpriseOne system for each line.

To do this, award the bid as a percentage of the event or award the bid according to line items, specifying the percentage or line items for only one bidder, and then post the award. If lines remain open (status is O), the event status remains pending until you close all of the lines. Repeat this procedure for each bidder to which a portion of the event is being awarded until all of the lines have been closed.

- If the award is to a bidder who is not yet a vendor, you can create the supplier record in the PeopleSoft EnterpriseOne system and the vendor record in the PeopleSoft Enterprise system at award time.

See [Chapter 29, “Using the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement Integration,” Understanding the Supplier/Vendor Creation Process, page 247.](#)

- The award cannot be entered against the bid currency.
- You cannot override the ship to address in the PeopleSoft Enterprise system because the ship to address is stored at the line level in the PeopleSoft Enterprise system and at the header level in the PeopleSoft EnterpriseOne system.

- If you enter an item number for a bill-of-materials (BOM) item (sometimes referred to as a kit), that is, the item is a parent and has several child items (for example, a bike frame might include metal, bolts, paint, and so on), the system substitutes the child items for the parent item before sending the event to the PeopleSoft EnterpriseOne system.

Therefore, the PeopleSoft EnterpriseOne purchase order lists the child items, and not the parent item.

- The award cannot include improvised items.

All items must already exist in both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

- Any errors or warnings that occur while entering a transaction in the PeopleSoft EnterpriseOne system are returned to the PeopleSoft Enterprise system and are written to a cross-reference file (PS_SAC_ERP_SS_STS).

Users need to monitor the PS_SAC_ERP_SS_STS table for any errors that are returned from the PeopleSoft EnterpriseOne system. To search for errors, perform a query over the SYNC_STS_DESCR column for the word "Error." If any errors occurred during processing, the associated transactions must be entered manually in the PeopleSoft EnterpriseOne system.

See Also

PeopleSoft Enterprise Strategic Sourcing 8.9 PeopleBook, "Analyzing Bids and Awarding Events"

Understanding the Update Tiered Pricing Process

If an event specifies bidder defined price adjustments, bidders can define their own price tiers.

Updating tiered pricing information in the PeopleSoft Enterprise system adds cost information to the PeopleSoft EnterpriseOne Supplier Price/Catalog File table (F41061).

Consider these points:

- A contract that is awarded in the PeopleSoft Enterprise system with tiered pricing can have level breaks based on either cumulative order quantity or current order quantity.

However, neither the blanket order nor the tiered pricing in the PeopleSoft EnterpriseOne system support price breaks based on cumulative order quantity. The blanket order has a fixed price, and any purchase order that is released from the blanket uses that price. Similarly, any purchase order price that is based on the tiered pricing uses current order quantity only, regardless of how much was ordered previously for the item.

- All prices are assumed to be in the base currency that is set up for the company in the PeopleSoft EnterpriseOne system.
- Price breaks are not supported for cumulative order quantities.
- The unit of measure is assumed to be the primary or purchasing unit of measure, depending on the System Constants for the Inventory system.
- Tiered-pricing awards do not support blank business units.

The PeopleSoft Enterprise system always sends a business unit and thus the transactions that are written to the PeopleSoft EnterpriseOne system always have an associated business unit.

- If the tiered-pricing award is to a bidder who is not yet a vendor, you can create the supplier record in the PeopleSoft EnterpriseOne system and the vendor record in the PeopleSoft Enterprise system at award time.

See Chapter 29, “Using the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement Integration,” Understanding the Supplier/Vendor Creation Process, page 247.

- The user receives a confirmation message, which indicates that the IP was sent from the PeopleSoft Enterprise system.

If an error occurs while the information is being written in the PeopleSoft EnterpriseOne system, no error is returned in the PeopleSoft Enterprise system. However, an error is written in the Integration Server error log.

Understanding the Supplier/Vendor Creation Process

If you are awarding an event (either a buy event or a tiered-pricing event) to a registered bidder who is not yet a vendor, the PeopleSoft Enterprise system creates an outbound vendor message (VENDOR_SYNC) when the award is posted. The PeopleSoft EnterpriseOne system creates a supplier record and sends the supplier ID number to PeopleSoft Enterprise Strategic Sourcing.

You must populate the Tax Explanation Code, Tax Rate/Area, and Payment Instrument fields that are on the Award Details tab of the Analyze Events page before you post the award. This information is sent to the PeopleSoft EnterpriseOne system for the creation of the supplier record in the PeopleSoft EnterpriseOne system. The tax and payment information from the supplier record is then used in the creation of the purchase order, if the event that is posted is a buy event.

You can modify existing supplier records in the PeopleSoft EnterpriseOne system only, even if the supplier record is created by awarding an event to a bidder in the PeopleSoft Enterprise system.

You can send multiple contacts for the supplier from the PeopleSoft Enterprise system, but the PeopleSoft EnterpriseOne system can receive only one email address and assigns that email address to the first contact (who's who record). Also, the PeopleSoft Enterprise system allows multiple addresses for a supplier, but only one address is loaded in the PeopleSoft EnterpriseOne system.

Awarding Events

This section discusses how to:

- Award to a purchase order or blanket order.
- Update tiered pricing information.
- Create a supplier/vendor record for a bidder.

Pages Used to Award Events

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Analyze Events	AUC_AWARD_PG	Sourcing, Maintain Events, Analyze Events	Award the bid as a total event or a percentage of the event.

Page Name	Object Name	Navigation	Usage
Award Summary	AUC_AWARD_SUM_PG	Click the Award Summary link on the Analyze Events page.	Review the award summary by line item.
Award Details	AUC_AWARD_DTL_PG	Click the Award Details link on the Analyze Events page.	Review the award details, select whether the award is a purchase order or a contract, and post the award.

Awarding to a Purchase Order or Blanket Order

Access the Analyze Events page.

Click the Award Details link.

Analyze Events

[Analyze Total](#)
[Analyze Line](#)
[Review Constraints](#)
[Award Summary](#)
[Award Details](#)

Business Unit: US001
Event ID: SS5200
Round: 1
Version: 1
Event Name: SS5200

Event Format: Buy
Event Type: Auction
Currency: USD
End Date: 06/08/2005 2:15AM PDT
Status: Pend Award
Go To:

Show Award Details to Bidders

☒ Display bids
☒ Display all bids
☒ Display bid scores
☒ Display bid's total bid price
☒ Display factors

Award Details
First 1 of 1

Bidder Name: [CC Corporation](#)
Bidder Type: Vendor
Buyer: VP1

Award Type: Purchase Order
Award Currency: Event
Terms: 10N

Award Number: 1
Total Award: 8939.2500

Line	Item ID	Vndr/Item Rel	Item Description	UOM	Award Quantity	Awarded Price	Extended Price
1	1303	☒	Paper Pads Office Supplies	EA	500.0000	2.0000	1059.7500
2	1304	☒	Pens Office Supplies	CA	1000.0000	7.7500	7879.5000

[Export Price Breaks](#)
[Post Award](#)

Analyze Events page

Post Award

Click to send an outbound purchase order message to the PeopleSoft EnterpriseOne system. The PeopleSoft EnterpriseOne system creates a purchase order or blanket order and sends the order ID number to PeopleSoft Enterprise Strategic Sourcing.

Updating Tiered Pricing Information

Access the Analyze Events page.

Click the Award Details link.

Analyze Events

[Analyze Total](#)
[Analyze Line](#)
[Review Constraints](#)
[Award Summary](#)
[Award Details](#)

Business Unit: US001 **Event ID:** SS5200 **Round:** 1 **Version:** 1 **Event Name:** SS5200

Event Format: Buy **Event Type:** Auction **Currency:** USD **End Date:** 06/08/2005 2:15AM PDT **Status:** Pend Award **Go To:**

☐ Show Award Details to Bidders

☒ Display bids ☒ Display all bids ☒ Display bid scores ☒ Display bid's total bid price ☒ Display factors

Award Details First 1 of 1

Bidder Name: [CC Corporation](#) **Bidder Type:** Vendor **Buyer:** VP1

Award Type: Purchase Order **Award Currency:** Event USD **Terms:** 10N

Award Number: 1 **Total Award:** 8939.2500

Line	Item ID	Vndr/Item Rel	Item Description	UOM	Award Quantity	Awarded Price	Extended Price
1	1303	☒	Paper Pads Office Supplies	EA	500.0000	2.0000	1059.7500
2	1304	☒	Pens Office Supplies	CA	1000.0000	7.7500	7879.5000

[Export Price Breaks](#) [Post Award](#)

Analyze Events page

Export Price Breaks

Click to export price breaks to the PeopleSoft EnterpriseOne system. If you click this button, the system creates and publishes the SAC_PS_SS_PRTIER_EIP message.

Creating a Supplier/Vendor Record for a Bidder

Access the Analyze Events page.

Click the Award Details link.

Analyze Events

[Analyze Total](#) [Analyze Line](#) [Award Summary](#) [Award Details](#)

Business Unit: US001 **Event ID:** 0000000246 **Round:** 1 **Version:** 1 **Event Name:** 06/16/04 SONF

Event Format: Buy **Event Type:** Auction **Currency:** USD **End Date:** 06/16/2004 2:26PM PDT **Status:** Pend Award **Go To:**

Show Award Details to Bidders

☒ Display bids ☒ Display all bids ☒ Display bid scores ☒ Display bid's total bid price ☒ Display factors

Award Details First 1 of 1 Last

Bidder Name: [Office Supply Depot](#) **Bidder Type:** Bidder **Buyer:** VP1

Award Type: Purchase Order **Award Currency:** Event USD **Terms:**

Award Number: 1 **Total Award:** 25.0000

Tax Explanation Code: ST **Tax Rate/Area:** CO **Payment Instrument:** ?

Line	Item ID	Vndr/Item Rel	Item Description	Event Qty	Amount	Ext Price
1	60003	☒	Bike Rack - Trunk Mount	5.0000	5.0000	25.00000

[Export Price Breaks](#) [Post Award](#)

Analyze Events page

Tax Explanation Code Enter a tax explanation code that is valid in the PeopleSoft EnterpriseOne system.

Tax Rate/Area Enter a tax rate/area that is valid in the PeopleSoft EnterpriseOne system.

Payment Instrument Enter a payment instrument that is valid in the PeopleSoft EnterpriseOne system.

Post Award Click this button to create a supplier/vendor record for the bidder and send an outbound purchase order message to the PeopleSoft EnterpriseOne system.

Export Price Breaks Click this button to create a supplier/vendor record for the bidder export price breaks to the PeopleSoft EnterpriseOne system.

Note. The values that you enter in the Tax Explanation Code, Tax Rate/Area, and Payment Instrument fields are used to create the supplier record in the PeopleSoft EnterpriseOne system.

PART 8

Integrating PeopleSoft Enterprise eProcurement with PeopleSoft EnterpriseOne Procurement

Chapter 30

Understanding the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

Chapter 31

Setting Up the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

Chapter 32

Setting Up Prerequisite Data for the eProcurement Integration

Chapter 33

Using the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

CHAPTER 30

Understanding the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

This chapter discusses:

- Release levels for the eProcurement integration.
- Business process for the eProcurement integration.
- Integration architecture for the eProcurement integration.
- Integration points for the eProcurement integration.
- Assumptions for implementation of the eProcurement integration.

Release Levels for the eProcurement Integration

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 Procurement and PeopleSoft Enterprise 8.9 eProcurement.

Business Process for the eProcurement Integration

With the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration, you can use PeopleSoft Enterprise eProcurement Direct Connect and Requisitioning processes and pass critical purchase order information to EnterpriseOne Procurement.

The major tasks involved in the integration of PeopleSoft Enterprise eProcurement with PeopleSoft EnterpriseOne Procurement are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Set up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in EnterpriseOne master data with the PeopleSoft Enterprise system.
- Creating a purchase order:
 1. You create a requisition in PeopleSoft Enterprise eProcurement.
 2. You create a corresponding purchase order in the PeopleSoft Enterprise system.

3. The PeopleSoft Enterprise system sends the purchase order to the PeopleSoft EnterpriseOne system.
4. The system creates a matching purchase order in the PeopleSoft EnterpriseOne system.
5. Budget checking occurs in the PeopleSoft EnterpriseOne system, if appropriate.

If the purchase order does not pass budget-checking, the system places the PeopleSoft EnterpriseOne purchase order on hold and sends a hold code status update to the PeopleSoft EnterpriseOne system.

- Releasing the purchase order hold in the PeopleSoft EnterpriseOne system.

The purchase order hold is also released in the PeopleSoft Enterprise system.

- Dispatching the purchase order from either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system.
- Receiving the purchase order in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system.

The receipt is sent from the system in which it is created to the other system, where a corresponding receipt is created.

- Closing the purchase order:

1. In the PeopleSoft EnterpriseOne system, you create a voucher for the receipt or cancel the receipt.
2. A close status is transmitted to the PeopleSoft Enterprise system from the PeopleSoft EnterpriseOne system.

When you perform any of these integrated actions in the PeopleSoft Enterprise system or in the PeopleSoft EnterpriseOne system, the integration updates the purchase order in the other system.

Integration Architecture for the eProcurement Integration

This section discusses the integration architecture for the:

- Purchase order creation process.
- Purchase order hold release process.
- PeopleSoft Enterprise purchase order dispatch process.
- PeopleSoft EnterpriseOne purchase order dispatch process.
- PeopleSoft Enterprise receipt process.
- PeopleSoft EnterpriseOne receipt process.
- Purchase order close process.

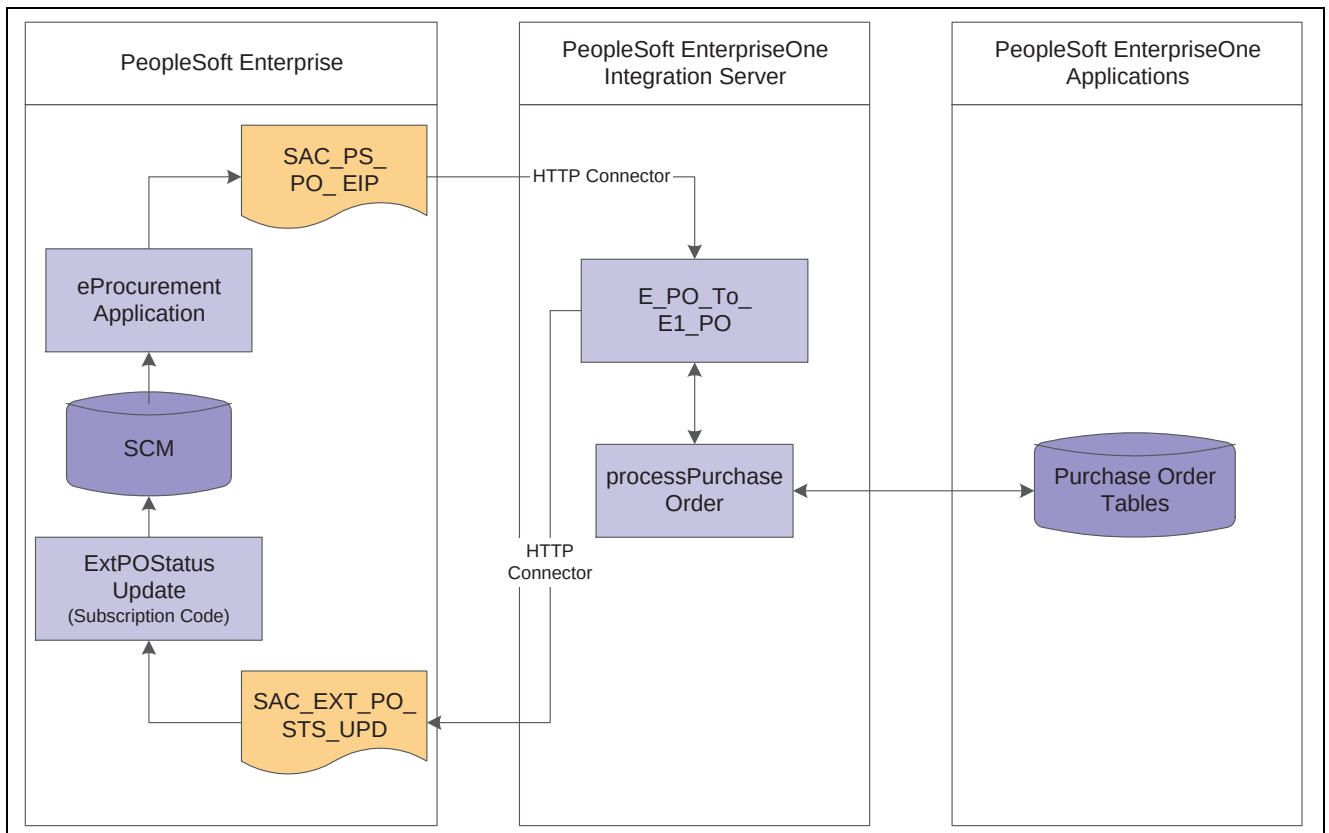
See Also

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Incremental Synchronizations, page 9

Integration Architecture for Purchase Order Creation Process

This diagram illustrates the process of creating a purchase order in the PeopleSoft Enterprise system and creating a corresponding purchase order in the PeopleSoft EnterpriseOne system:



PeopleSoft Enterprise purchase order to PeopleSoft EnterpriseOne purchase order process

Sending purchase orders from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these steps:

1. A PeopleSoft Enterprise user creates a purchase order with the PO_HDR.HOLD_STATUS set to Y.
2. A PeopleSoft Enterprise user runs the batch process for purchase order EIPs to publish the SAC_PS_PO_EIP message using the Integration Broker and route the EIP message to the Integration Server.
3. The SAC_PS_PO_EIP message is published by calling the SAC_POEIPPUB Application Engine process. This process selects only approved purchase orders.
4. The Integration Server is listening for the EIP message, and triggers the E_PO_To_E1_PO flow, which converts the SAC_PS_PO_EIP message and invokes the processPurchaseOrder interface flow service.
5. The interface flow creates a purchase order in the PeopleSoft EnterpriseOne system.
6. The PeopleSoft EnterpriseOne system performs a budget check on the purchase order. If the purchase order fails the budget check, the PeopleSoft EnterpriseOne system places a budget hold on the purchase order.
7. The interface flow's response is converted to the SAC_EXT_PO_STS_UPD message and sent to the Integration Broker using the dispatcher.

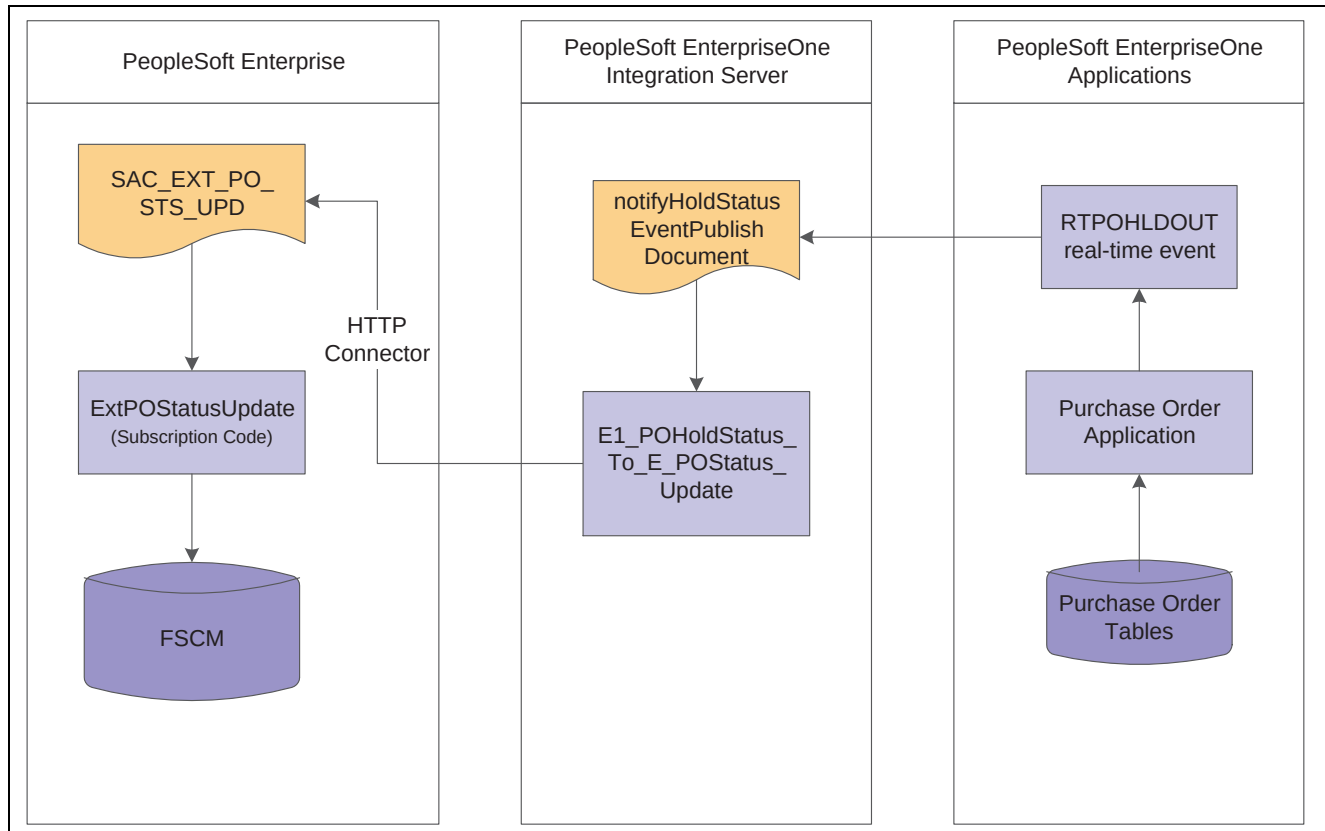
If the purchase order failed the budget check in the PeopleSoft EnterpriseOne system, this message contains the hold status.

8. Once the message is received in the PeopleSoft Enterprise system, the user navigates to eProcurement, Manage ERP Integration, External PO Status component to verify that the status has updated accordingly.

When the budget hold is released in the PeopleSoft EnterpriseOne system, the PO_HDR.HOLD_STATUS is changed to *N*, and the purchase order is ready for dispatch.

Integration Architecture for the Purchase Order Hold Release Process

This diagram illustrates the process of releasing a purchase order hold in the PeopleSoft EnterpriseOne system and sending a status update to the PeopleSoft Enterprise system:



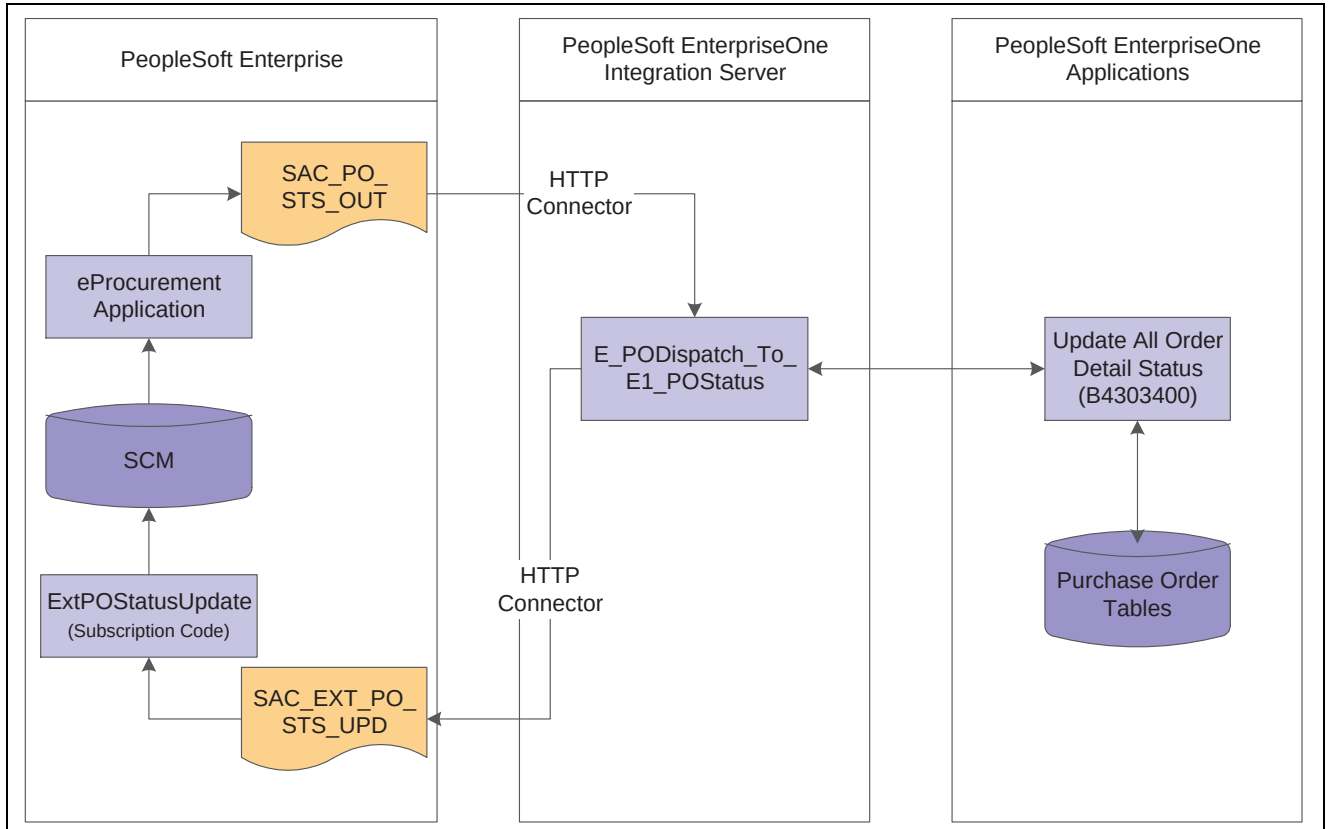
PeopleSoft EnterpriseOne purchase order hold to PeopleSoft Enterprise purchase order status update process

Sending purchase order hold release messages from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system consists of these steps:

1. In the PeopleSoft EnterpriseOne system, the user releases a purchase order from hold using the Release Held Orders program (P43070), which triggers a realtime event RTPOHLDOUT.
2. The adapter service receives the realtime event and converts it to the **notifyHoldStatusEventPublishDocument**.
3. The Integration Server receives the **notifyHoldStatusEventPublishDocument** and triggers the **E1_POHoldStatus_To_E_POStatusUpdate** flow, which generates the **SAC_EXT_PO_STS_UPD** message and sends it to the Integration Broker using the dispatcher.
4. The Integration Broker uses the message to update the hold status of the purchase order to *N* (not held from further process).

Integration Architecture for the PeopleSoft Enterprise Purchase Order Dispatch Process

This diagram illustrates the process of dispatching a purchase order in the PeopleSoft Enterprise system and sending a status update to the PeopleSoft EnterpriseOne system:



PeopleSoft Enterprise purchase order dispatch to PeopleSoft EnterpriseOne purchase order status update process

Note. You can dispatch purchase orders from either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. We recommend that you dispatch all purchase orders for a specific vendor in one system, though you may dispatch purchase orders for another vendor in the other system.

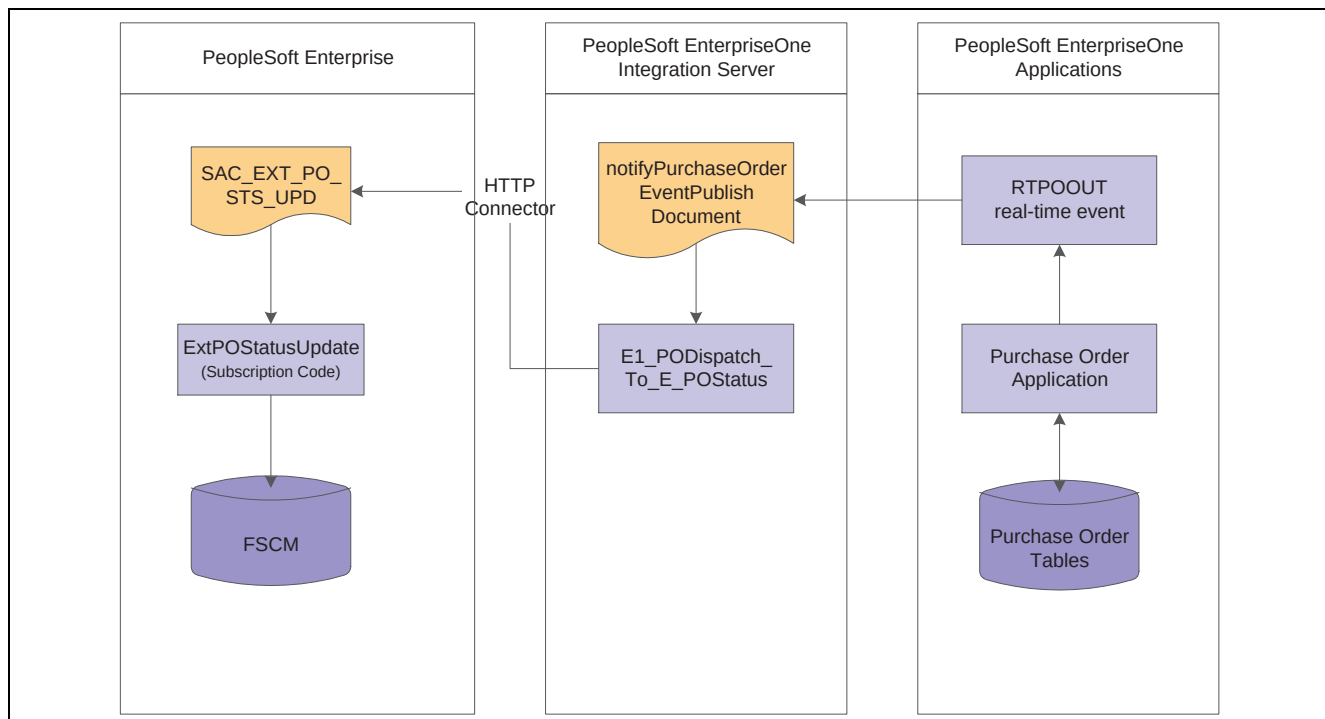
Notifying the PeopleSoft EnterpriseOne system of purchase order dispatches from the PeopleSoft Enterprise system consists of these steps:

1. In the PeopleSoft Enterprise system, the user dispatches a purchase order.
2. With the publishing of new or changed purchase orders, the PeopleSoft Enterprise system also publishes any purchase order that has been dispatched.
The **SAC_PO_STS_OUT** message represents the dispatched purchase order sent to the PeopleSoft EnterpriseOne system.
3. The Integration Server is listening for the EIP message, and triggers the **E_PODispatch_To_E1_POStatus** flow, which calls an adapter service business function.
4. The business function updates the status of the purchase order in the PeopleSoft EnterpriseOne system.
5. The **E_PODispatch_To_E1_POStatus** integration responds with the **SAC_EXT_PO_STS_UPD** message to indicate whether the transaction was successful, and sends it to the Integration Broker using the dispatcher.

6. In the PeopleSoft Enterprise system, use the Integration Broker Monitor to verify that the message is complete.

Integration Architecture for the PeopleSoft EnterpriseOne Purchase Order Dispatch Process

This diagram illustrates the process of dispatching a purchase order in the PeopleSoft EnterpriseOne system and sending a status update to the PeopleSoft Enterprise system:



PeopleSoft EnterpriseOne purchase order dispatch to PeopleSoft Enterprise purchase order status update process

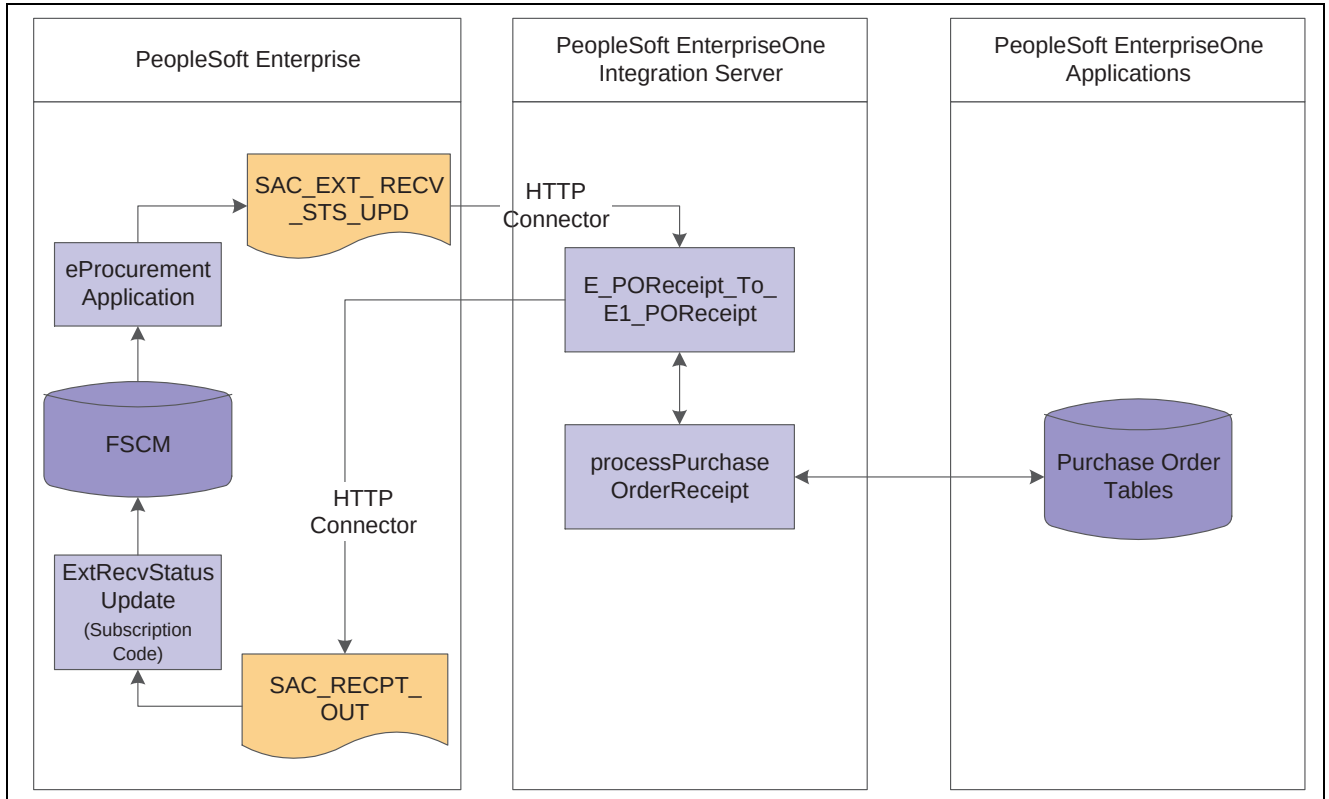
Note. You can dispatch purchase orders from either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. It is recommended that you dispatch all purchase orders for a specific vendor in one system, though you may dispatch purchase orders for another vendor in the other system.

Notifying the PeopleSoft Enterprise system of purchase order dispatches from the PeopleSoft EnterpriseOne system consists of these steps:

1. The user runs the Print Purchase Orders program (R43500) to dispatch the purchase order, which creates an outbound realtime event RTPOOUT.
The event triggers the PeopleSoft EnterpriseOne Adapter, which then publishes a **notifyPurchaseOrderEventPublishDocument**.
2. The Integration Server is listening for the **notifyPurchaseOrderEventPublishDocument**, and triggers the **E1_PODispatch_To_E_POStatus** flow, which generates the **SAC_EXT_PO_STS_UPD** message and sends it to the Integration Broker using the dispatcher.
3. The Integration Broker is listening for messages to automatically update statuses.
When a message is received, the dispatch status of the PeopleSoft Enterprise purchase order is set to D.

Integration Architecture for the PeopleSoft Enterprise Receipt Process

This diagram illustrates the process of creating a purchase order receipt in the PeopleSoft Enterprise system and sending receipt information to the PeopleSoft EnterpriseOne system:



PeopleSoft Enterprise receipt to PeopleSoft EnterpriseOne receipt process

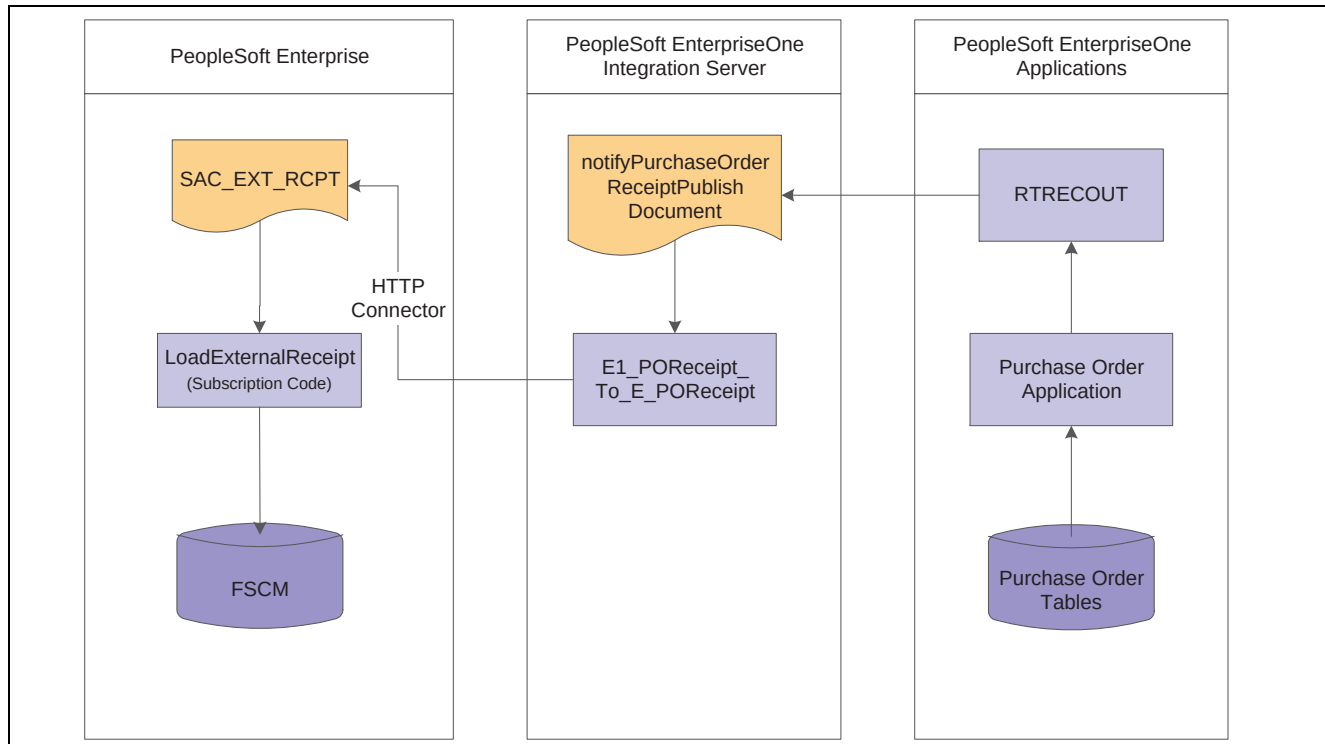
Note. You can create receipts in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. A purchase order should be received entirely in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Do not partially receive a purchase order in one system and then receive the remaining portion in the other system.

Sending receipts from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these steps:

1. Add a new receipt to complete desktop receiving in the PeopleSoft Enterprise system.
2. Run the Receipt EIP.
3. The receipt process triggers the **SAC_RECPT_OUT** message using the Integration Broker and routes the EIP message to the Integration Server.
4. The Integration Server is listening for the EIP message, and triggers the **E_PORceipt_To_E1_PORceipt** integration, which converts the **SAC_RECPT_OUT** message and invokes the **processPurchaseOrderReceipt** interface flow.
5. The **processPurchaseOrderReceipt** interface flow creates the purchase order receipt in the PeopleSoft EnterpriseOne system.
6. The **processPurchaseOrderReceipt** interface flow's response is converted to the **SAC_EXT_RECV_STS_UPD** message, and is sent to the Integration Broker using the dispatcher.

Integration Architecture for the PeopleSoft EnterpriseOne Receipt Process

This diagram illustrates the process of creating a purchase order receipt in the PeopleSoft EnterpriseOne system and sending receipt information to the PeopleSoft Enterprise system:



PeopleSoft EnterpriseOne receipt to PeopleSoft Enterprise receipt process

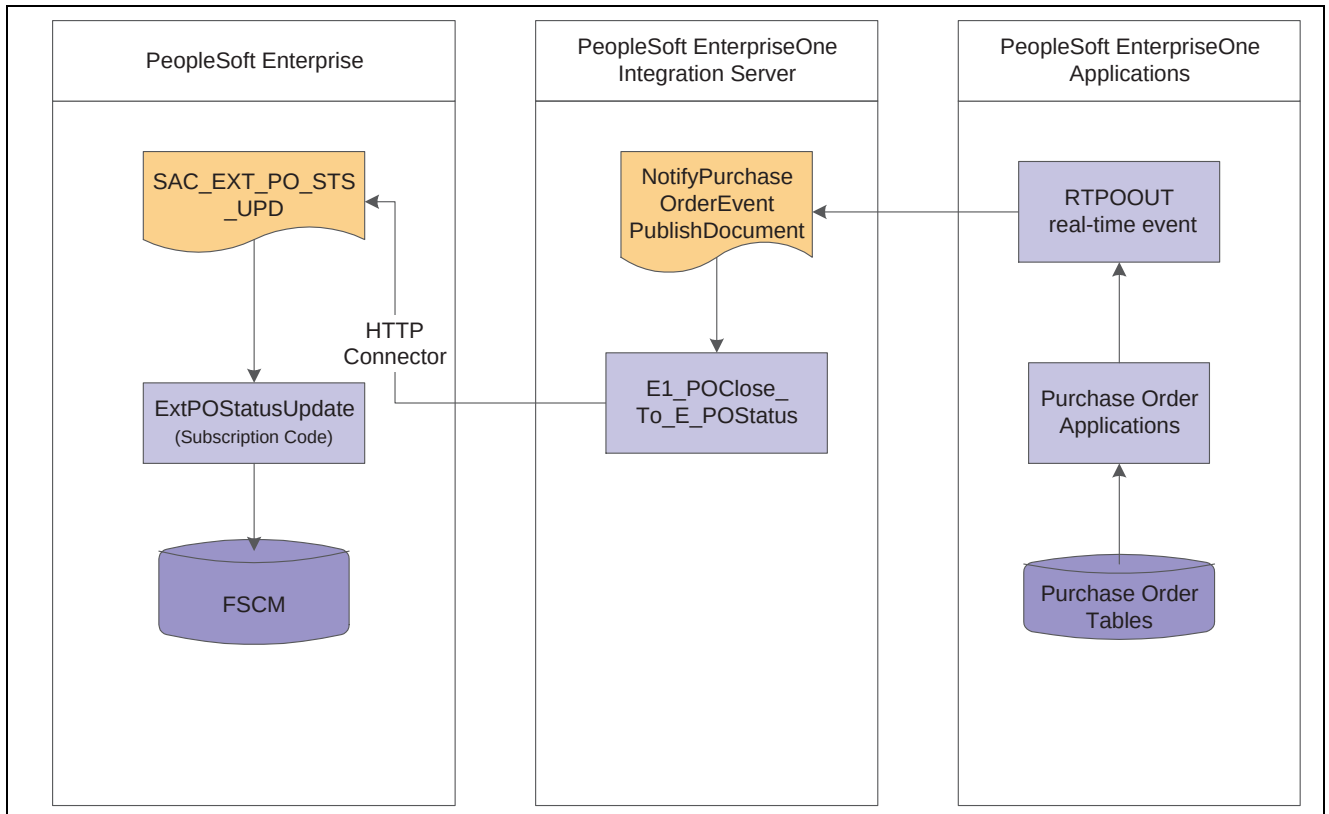
Note. You can create receipts in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. A purchase order should be received entirely in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Do not partially receive a purchase order in one system and then receive the remaining portion in the other system.

Sending receipts from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system consists of these steps:

1. Create a receipt in the PeopleSoft EnterpriseOne system, which triggers a realtime event RTRECOUNT.
2. The adapter service receives the realtime event and notifies the Integration Server.
3. The Integration Server triggers the E1_PORceipt_To_E_PORceipt integration, which generates the SAC_EXT_RCPT message and sends it to the Integration Broker using the dispatcher.
4. The Integration Broker uses the message to create a corresponding receipt record in the PeopleSoft Enterprise system.

Integration Architecture for the Purchase Order Close Process

This diagram illustrates the process of closing a purchase order in the PeopleSoft EnterpriseOne system and sending a status update to the PeopleSoft Enterprise system:



PeopleSoft EnterpriseOne purchase order close to PeopleSoft Enterprise purchase order status update process

Sending purchase order closes from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system consists of these steps:

1. A PeopleSoft EnterpriseOne user uses the PO Receipts program (P4312) for a three way match or the Voucher Match program (P4314) for a two way match to close a purchase order, which triggers the RTPOOUT realtime event.
2. The adapter service receives the realtime event and converts it to the `notifyPurchaseOrderEventPublishDocument`.
3. The Integration Server receives the `notifyPurchaseOrderEventPublishDocument` and triggers the `E1_POclose_To_E_POStatus` integration, which generates the `SAC_EXT_PO_STS_UPD` message and sends it to the Integration Broker using the dispatcher.
4. The Integration Broker uses the message to update the status of the purchase order line.

Note. The PeopleSoft EnterpriseOne system sends the close status on a line-by-line basis. When all lines on a purchase order are closed, the `SAC_EXT_PO_STS_UPD` process also sets the `PO_HDR.PO_STATUS` to *C* (complete).

Integration Points for the eProcurement Integration

This section lists integration points for:

- Initial batch loads
- Incremental synchronizations
- Transactions

Integration Points for Initial Batch Loads

This table lists the integration points used by the eProcurement integration for the initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
SAC_ACCT_LOAD_EIP	E1_Account_To_E_SRM_Account: convertAccountToAccountLoad	Account Master Batch Load program (R8909F0901)	Loads account information from the PeopleSoft EnterpriseOne system to accounts in the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	Item Master Batch Load program (R8941F4101)	Loads items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. Note. The E1_ItemMaster_To_E_Item flow used for the batch load of items is a different flow from the E1_ItemMaster_ToO_E_Item flow used for the incremental sync of items.
ITEM_SYNC	E1_ItemCost_To_E_Item: convert_E1_ItemCost_To_E_Item	Item Cost Batch Load program (R8941F4105)	Loads item cost information from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
VENDOR_SYNC	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor_And_Dispatch	Supplier Master Batch Load program (R8901F0401)	Loads suppliers from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
ITEM_PRICELIST_LOAD	E1_SupplierItemCost_To_E_SRM_ItemPriceList: convertSupplierItemCostToItemPriceList	Supplier Price Batch Load - F41061 program (R8945F4161)	Loads supplier item cost information from the PeopleSoft EnterpriseOne system to the item price list in the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ItemUOM	Unit Of Measure Batch Load (R89F41002)	Batch load of unit of measure conversion from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
SHIPTO_LOCATION	E1_ShipTo_To_E_ShipToLocation: convert_ShipTo_To_ShipToLocation	Address Book Master Batch Load program (R8901F0101)	Loads address book records for facilities from the PeopleSoft EnterpriseOne system to ship to locations in the PeopleSoft Enterprise system.
REQUESTER_LOAD	E1_UserProfile_To_E_SRM_Requester: convertUserProfileToRequester	User Profile/Address Book Batch Load (R89F0092)	Loads PeopleSoft EnterpriseOne users as requesters in the PeopleSoft Enterprise system.

Integration Points for Incremental Synchronizations

This table lists the integration points used by the eProcurement integration for the incremental synchronization of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
SAC_ACCT_LOAD_EIP	E1_Account_To_E_Account	notifyGLAccountEvent PublishDocument	Incremental sync of accounts from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
ITEM_SYNC	E1_ItemMaster_To_E_Item	notifyItemMasterEvent PublishDocument	Incremental sync of items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. Note. The E1_ItemMaster_To_E_Item flow used for the incremental sync of items is a different flow from the E1_ItemMaster_To_E_Item flow used for the batch load of items.
ITEM_SYNC	E1_ItemCost_To_E_Item	notifyItemCostEvent PublishDocument	Incremental sync of item cost information from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
ITEM_SYNC	E1_ItemUOM_To_E_ItemUOM	notifyItemUOMEvent PublishDocument	Incremental sync of unit of measure conversion from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.
VENDOR_SYNC	E1_Supplier_To_E_Vendor	notifySupplierEvent PublishDocument	Incremental sync of suppliers from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
LOCATION_SYNC SHIPTO_LOCATION	E1_AddressBookRTE_To_E_ShipToLocation	notifyAddressBook PublishDocument	Incremental sync of ship to locations from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. This integration point integrates ship to locations when you change a ship to location record in the PeopleSoft EnterpriseOne system.
SHIPTO_LOCATION	E1_ShipToRTE_To_E_ShipToLocation	notifyShipToEvent PublishDocument	Incremental sync of ship to locations from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. This integration point integrates ship to locations when you add a ship to location record in the PeopleSoft EnterpriseOne system.

Integration Points for Transactions

This table lists the integration points used by the eProcurement integration for the transfer of transactional data between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
SAC_PS_PO_EIP SAC_EXT_PO_STS_UPD	E_PO_To_E1_PO	processPurchaseOrder	Sends an existing purchase order from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system and creates a corresponding purchase order in the PeopleSoft EnterpriseOne system. Notifies the PeopleSoft Enterprise system whether the transaction was successful.
SAC_PO_STS_OUT SAC_EXT_PO_STS_UPD	E_PODispatch_To_E1_POStatus	F4311UpdateAllOrderDetailStatus business function (B4303400)	Updates the purchase order status in the PeopleSoft EnterpriseOne system when a purchase order is dispatched in the PeopleSoft Enterprise system and notifies the PeopleSoft Enterprise system whether the transaction was successful.
SAC_EXT_PO_STS_UPD	E1_POHoldStatus_E_POStatusUpdate	notifyHoldStatusEvent PublishDocument	Updates the purchase order status in the PeopleSoft Enterprise system when a purchase order is released from hold in the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
SAC_EXT_PO_STS_UPD	E1_PODispatch_To_E_POStatus	notifyPurchaseOrderEvent PublishDocument	Updates the purchase order status in the PeopleSoft Enterprise system when a purchase order is dispatched in the PeopleSoft EnterpriseOne system.
SAC_RECPT_OUT SAC_EXT_RECV_STS_UPD	E_PORecceipt_To_E_PORecceipt	processPurchaseOrder Receipt	Sends a purchase order receipt from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system and creates a corresponding purchase order receipt in the PeopleSoft EnterpriseOne system. Notifies the PeopleSoft Enterprise system whether the transaction was successful.
SAC_EXT_RCPT	E1_PORecceipt_To_E_PORecceipt	notifyPurchaseOrderReceipt PublishDocument	Sends a purchase order receipt for the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system and creates a corresponding purchase order receipt in the PeopleSoft Enterprise system.
SAC_EXT_PO_STS_UPD	E1_POClose_To_E_POStatus	notifyPurchaseOrderEvent PublishDocument	Updates the purchase order status in the PeopleSoft Enterprise system when a purchase order is closed in the PeopleSoft EnterpriseOne system.

Assumptions for Implementation of the eProcurement Integration

The PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration functions based on these assumptions:

- Accounts Payable should not be installed in the PeopleSoft Enterprise system; Accounts Payable should reside in the PeopleSoft EnterpriseOne system only.
- General Ledger should not be installed in the PeopleSoft Enterprise system; General Ledger and Financial Reporting reside in the PeopleSoft EnterpriseOne system only.
- Inventory should not be installed in the PeopleSoft Enterprise system; Inventory resides in the PeopleSoft EnterpriseOne system only.
- The Document Tolerance feature must be disabled for all procurement GL business units.

See Also

Chapter 33, “Using the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration,” page 315

CHAPTER 31

Setting Up the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

This chapter discusses how to:

- Set up the eProcurement integration in the PeopleSoft Enterprise database.
- Set up the eProcurement business unit integration options.
- Set up the eProcurement integration in the Integration Server.

Setting Up the eProcurement Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discusses how to:

- Activate message channels for the eProcurement integration.
- Activate messages for the eProcurement integration.
- Set up integration transactions for the eProcurement integration.
- Add channels to permissions for the eProcurement integration.
- Activate message subscriptions for the eProcurement integration.
- Increase the size of the Account ChartField.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise Financials/SCM database:

- Set up the local gateway in the PeopleSoft Enterprise Financials/SCM database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 message node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Page Used to Set Up the eProcurement Integration in the PeopleSoft Enterprise Database

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Advanced Configuration	FS_CF_TEMPLATE	Set Up Financials/Supply Chain, Common Definitions, Design ChartFields, Configure, Advanced Configuration	If the combination of the object and subsidiary portions of PeopleSoft EnterpriseOne account numbers exceeds 10 characters, configure the ChartField accounts from 10 characters to 15.

Activating Message Channels for the eProcurement Integration

Verify that these message channels have a message channel status of *Run*:

- ITEM_MAINTENANCE
- SAC_PS_EIP
- VENDOR
- ITEM_CATALOG_PRICE
- SAC_ACCT_LOAD_CHNL
- SAC_EXT_RECV_STS_CHNL
- ENTERPRISE_SETUP
- REQUESTER_LOAD
- SAC_RECPT_OUT_CHNL

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the eProcurement Integration

Verify that these messages are active:

- ITEM_SYNC
- SAC_EXT_PO_STS_UPD
- SAC_PS_PO_EIP
- VENDOR_SYNC
- ITEM_PRICELIST_LOAD
- SAC_ACCT_LOAD_EIP
- SAC_EXT_RECV_STS_UPD
- SHIPTO_LOCATION

- LOCATION_SYNC
- REQUESTER_LOAD
- SAC_RECPT_OUT
- SAC_PO_STS_OUT

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Setting Up Integration Transactions for the eProcurement Integration

You must activate these nodes and their associated transactions:

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	ITEM_PRICELIST_LOAD	VERSION_1	InAsync	Implicit
PSFT_E1	ITEM_SYNC	VERSION_1	InAsync	Implicit
PSFT_E1	LOCATION_SYNC	VERSION_1	InAsync	Implicit
PSFT_E1	REQUESTOR_LOAD	VERSION_1	InAsync	Implicit
PSFT_E1	SAC_ACCT_LOAD_EIP	VERSION_1	InAsync	Implicit
PSFT_E1	SAC_EXT_PO_STS_UPD	VERSION_1	InAsync	Implicit
PSFT_E1	SAC_EXT_RCPT	VERSION_1	InAsync	Implicit
PSFT_E1	SAC_EXT_RECV_STS_UPD	VERSION_1	InAsync	Implicit
PSFT_E1	SAC_PO_STS_OUT	VERSION_1	OutAsync	Implicit
PSFT_E1	SAC_PS_PO_EIP	VERSION_1	OutAsync	Implicit
PSFT_E1	SAC_RECPT_OUT	VERSION_1	OutAsync	Implicit
PSFT_E1	SHIPTO_LOCATION	VERSION_1	InAsync	Implicit
PSFT_E1	VENDOR_SYNC	VERSION_1	InAsync	Implicit

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Adding Channels to Permissions for the eProcurement Integration

To send and receive sourcing events in the PeopleSoft Enterprise system, you must set the channel permissions for the SAC_PS_EIP channel.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Adding Channels to Permissions, page 17.](#)

Activating Message Subscriptions for the eProcurement Integration

Verify that these message subscriptions are active:

Message Name	Subscription Name
ITEM_PRICELIST_LOAD	ItemPriceListLoad
ITEM_SYNC	ItemSync
REQUESTER_LOAD	RequesterLoad
SAC_ACCT_LOAD_EIP	SACAcctLoad
SAC_EXT_PO_STS_UPD	ExtPOStatusUpdate
SAC_EXT_RCPT	LoadExternalReceipt
SAC_EXT_RECV_STS_UPD	ExtRecvStatusUpdate
SHIPTO_LOCATION	ShipToLocation
VENDOR_FULLSYNC	VendorFullSync
VENDOR_SYNC	VendorSync

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.](#)

Increasing the Size of the Account ChartField

Access the Advanced Configuration page.

Advanced Configuration		Standard Configuration				
	Status	Order	ChartField	Field Long Name	Field Length	
☐	Active	1	ACCOUNT	Account	15	
☐	Active	2	ALTACCT	Alternate Account	10	
☐	Active	3	OPERATING_UNIT	Operating Unit	8	Change Name
☐	Active	4	FUND_CODE	Fund Code	5	Change Name
☐	Active	5	DEPTID	Department	10	
☐	Active	6	PROGRAM_CODE	Program Code	5	Change Name
☐	Active	7	CLASS_FLD	Class Field	5	Change Name
☐	Active	8	BUDGET_REF	Budget Reference	8	Change Name
☐	Active	9	PRODUCT	Product	6	Change Name
☐	Active	10	BUSINESS_UNIT_PC	PC Business Unit	5	
☐	Active	11	PROJECT_ID	Project	15	
☐	Active	12	ACTIVITY_ID	Activity	15	
☐	Active	13	RESOURCE_TYPE	Source Type	5	
☐	Active	14	RESOURCE_CATEGORY	Category	5	
☐	Active	15	RESOURCE_SUB_CAT	Subcategory	5	
☐	Active	16	AFFILIATE	Affiliate	5	
☐	Active	17	AFFILIATE_INTRA1	Fund Affiliate	10	Change Name
☐	Active	18	AFFILIATE_INTRA2	Operating Unit Affiliate	10	Change Name
☐	Inactive	99	CHARTFIELD1	ChartField 1	10	
☐	Inactive	99	CHARTFIELD2	ChartField 2	10	
☐	Inactive	99	CHARTFIELD3	ChartField 3	10	

Advanced Configuration page

To increase the size of the Account ChartField:

1. Set the account length to 15.
2. Click the Configure button to run the FS_CONFIG program.
3. Generate the PSBUILD.SQL script in Application Designer by opening the FS_CS_ALTER_TABLE project and selecting to build the project using the Alter Tables and Build script file build options.
4. Run the PSBUILD from the SQL Analyzer.
5. Open the project FS_CF_CREATE_VIEW to re-create all views that contain the ACCOUNT field.

Note. Consult the documentation listed in the See Also subtopic section for full details.

See Also

PeopleSoft Enterprise Application Fundamentals 8.9 PeopleBook, "Configuring ChartFields."

Setting Up the eProcurement Business Unit Integration Options

This section discusses how to:

- Set up PeopleSoft eProcurement business unit options.
- Set up autonumbering for purchase orders.

Pages Used to Set Up the eProcurement Business Unit Integration Options

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
eProcurement Business Unit Options	BUS_UNIT_TBL_PM2	eProcurement, Administer Procurement, Maintain Business Units, eProcurement Business Unit Options	Define the eProcurement business unit as one that works with the PeopleSoft EnterpriseOne system.
Auto Num Install (automatic numbering installation)	AUTO_NUM_PNL	Set Up Financials/Supply Chain, Common Definitions, Codes and Auto Numbering, Auto Numbering	Define the maximum length and the next number available for a specific setID.

Setting Up PeopleSoft eProcurement Business Unit Options

Access the eProcurement Business Unit Options page.

eProcurement Business Unit Options

Business Unit: US001 US001 NEW YORK OPERATIONS

Requisition Options	
☐	Enable Req Region Security
☒	Allow Req Change in Purchasing

Workflow Options	
☐	Workflow Approval Required

Item Source Option	
Item Source:	Master Items Only

Requisition cycle Options	
☐	Show PO Acknowledgements Icon
☐	Show ASN Icon

Integration Option	
Integration Type:	Enterprise One Integration
PO ID Scheme:	PO ID By Installation

Integration Option			
1	Do Not Consolidate Reqs.	+	-
2	No Deletion After Integration	+	-
3	One Distribution per Schedule	+	-
4	PeopleSoft PO ID Used	+	-
5	One Schedule per Line	+	-

eProcurement Business Unit Options page

To set up PeopleSoft eProcurement business unit options:

1. Identify PeopleSoft EnterpriseOne Integration as the integration type.
2. Select PO ID By Installation as the purchase order ID scheme.
This defines how the system generates the purchase order.
3. Identify integration options.

Note. The options are hard rules for the integration. Ensure that all options are added to the business unit integration options.

Setting Up Autonumbering for Purchase Orders

Access the Auto Num Install page.

Auto Numbering

SetID: SHARE CORPORATE SETID

Number Type: PO Purchase Order

***Field Name:** PO_ID  **Length:** 10

Automatic Numbering Details					Customize	Find	View All	First	1 of 1	Last
*Start Seg	*Max Length	*Description	Last Number Issued	Default?						
000	8	E1 Integration	912	☒						

Auto Num Install page

To set up autonumbering for purchase orders that are integrated with the PeopleSoft EnterpriseOne system:

1. Select the number type of purchase order.
2. Identify PO_ID as the field name.

Note. The PeopleSoft EnterpriseOne system has a maximum length of eight characters.

Setting Up the eProcurement Integration in the Integration Server

This section lists a prerequisite and discusses how to:

- Enable PeopleSoft EnterpriseOne adapter listener notifications for the eProcurement integration.
- Set up integration options for the eProcurement integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener. Enabling the adapter consists of enabling the PeopleSoft EnterpriseOne connection and the corresponding Events connection.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21.](#)

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the eProcurement Integration

Enable the listener and these listener notification services within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.Procurement.notifyHoldStatusEvent
- AdapterServices.Notification.Procurement.notifyPurchaseOrderEvent
- AdapterServices.Notification.Procurement.notifyPurchaseOrderReceipt

If you are using realtime events for the incremental synchronization of master data, enable the listener and these listener notification services within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.AddressBook:notifyAddressBook
- AdapterServices.Notification.Financials:notifyGLAccountEvent
- AdapterServices.Notification.Inventory:notifyItemCostEvent
- AdapterServices.Notification.Inventory:notifyItemMasterEvent
- AdapterServices.Notification.Inventory:notifyItemUOMEvent
- AdapterServices.Notification.AddressBook:notifyShipToEvent
- AdapterServices.Notification.Supplier:notifySupplierEvent

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the eProcurement Integration

This section lists integration options used by all integration flows as well as the integration options for these integration points:

- Accounts.
- Suppliers to Vendors.
- Items.
- Item Costs.
- Supplier Item Cost to Item Price List.
- Ship To Locations.
- User Profile to Requester.
- Purchase Order.
- Hold Status Update.
- Purchase Order Dispatch Status from PeopleSoft Enterprise.
- Purchase Order Dispatch Status from PeopleSoft EnterpriseOne.
- Purchase Order Receipt from PeopleSoft Enterprise.
- Purchase Order Receipt from PeopleSoft EnterpriseOne.
- Purchase Order Close Status.

Integration Options Used by All Flows

All flows used in the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_SRM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EI</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Navigation	Integration Option	Usage
PSFT_Dispatcher, Outbound	Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The system uses the value from this integration option if the Transaction Transport option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport at this level (PPI) so that you don't have to set it for each flow. The default value is <i>http</i>.
PSFT_Dispatcher, Outbound	Address for Transport	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). The system uses the value from this integration option if the Transaction Transport Address option for the specific flow does not contain a value. If you are using one gateway for all pillars, you can set up the transport address at this level (PPI) so that you don't have to set it for each flow. This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Accounts

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Account_To_E_SRM_Account
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_Account_To_E_Account

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM.InitialBatchLoads:E1_Account_To_E_SRM_Account	Account Set ID	Specify the default setID for account entries. This value is an example: <i>SHARE</i>.
PSFT_EnterpriseOne_SRM.InitialBatchLoads:E1_Account_To_E_SRM_Account	Directory From Location - E1	Specify the directory that contains the f0901batchload.txt file that is generated by the Account Master Batch Load program (R8909F0901). This value is an example: <i>\\machinename\pyexport.</i>

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM.InitialBatchLoads:E1_Account_To_E_SRM_Account	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM.InitialBatchLoads:E1_Account_To_E_SRM_Account	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Suppliers to Vendors

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Supplier_To_E_Vendor
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_Supplier_To_E_Vendor

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_To_E_Vendor	Default SetID	Specify the default setID for vendor entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_To_E_Vendor	Directory From Location - E1	Specify the directory that contains the f0401batchload.txt file that is generated by the Supplier Master Batch Load program (R8901F0401). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_To_E_Vendor	Email Type	Specify the email type that is used when retrieving the contact's email address in the PeopleSoft EnterpriseOne system. This value is an example: <i>E</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_ To_E_Vendor	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_Supplier_ To_E_Vendor	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Items

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemMaster_To_E_Item
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ItemMaster_To_E_Item

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Default Category Code	Specify the default category code for item entries. This integration option is used to populate the CATEGORY_CD field in the ITEM_SYNC message for the incremental sync of items. For the batch load of items, the actual category code from the Commodity Class field (PRP1) in the PeopleSoft EnterpriseOne Item Master table (F4101) is sent to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Default SetID	Specify the default setID for item entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Directory From Location - E1	Specify the directory that contains the f4101batchload.txt file that is generated by the Item Master Batch Load program (R8941F4101). This value is an example: <i>\\machinename\pyexport</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemMaster_ To_E_Item	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_SRM, RealTimeDataSyncs, E1_ItemMaster_ To_E_Item	Valid Stocking Types	Specify the stocking types to be transferred in the ITEM_SYNC message for the incremental sync of items. Separate multiple values with a pipe character (). This value is an example: <i>S P N O</i> . For the batch load of items, you run the integration once for each stocking type that you want to integrate.

Item Costs

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemCost_To_E_Item
- PSFT_EnterpriseOne_SRM.RealTimeDataSyncs.E1_ItemCost_To_E_Item

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ SRM,InitialBatchLoads, E1_ItemCost_To_E_Item	Directory From Location - E1	Specify the directory that contains the f4105batchload.txt file that is generated by the Item Cost Batch Load program (R8941F4105). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_ SRM,InitialBatchLoads, E1_ItemCost_To_E_Item	Item Cost SetID	Specify the default setID for item cost entries. This value is an example: <i>SHARE</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_ItemCost_To_E_Item	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_ItemCost_To_E_Item	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

Supplier Item Cost to Item Price List

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_SupplierItemCost_To_E_SRM_ItemPriceList flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_SupplierItemCost_To_E_SRM_ItemPriceList	Directory From Location - E1	Specify the directory that contains the v4101FJbatchload.txt file that is generated by Item Cost Batch Load program (R89F4101A). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_SupplierItemCost_To_E_SRM_ItemPriceList	Supplier Item Cost Set ID	Specify the default setID for item price list entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_SupplierItemCost_To_E_SRM_ItemPriceList	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM,InitialBatchLoads,E1_SupplierItemCost_To_E_SRM_ItemPriceList	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>mm/dd/yyyy</i>).

Ship To Locations

The integration options in this section are used by these flows:

- PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ShipTo_To_E_ShipToLocation
- PSFT_EnterpriseOne_SRM.StrategicSourcing.E1_ShipToRTE_To_E_ShipToLocation
- PSFT_EnterpriseOne_SRM.StrategicSourcing.E1_AddressBookRTE_To_E_ShipToLocation
- PSFT_EnterpriseOne_SRM.StrategicSourcing.E1_AddressBookRTE_To_E_LocationSync

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Default Set ID	Enter the default setID for ship to location entries. This value is an example: <i>SHARE</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Directory From Location - E1	Specify the directory that contains the ShipToBatchLoad.txt file that is generated by the Extract Branch/Plant Ship Tos program (R89F41001). This value is an example: <i>\\machinename\pyexport</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	In File Name - E1	Specify the name of the flat file that is generated by the PeopleSoft EnterpriseOne system. This value is an example: <i>ShipToBatchLoad.txt</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_ To_E_ShipToLocation	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .

User Profile to Requester

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_UserProfile_To_E_SRM_Requester flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_UserProfile_ To_E_SRM_Requester	Directory From Location - E1	Specify the directory that contains the v0092jbatchload.txt file that is generated by the User Profile/Address Book Batch Load program (R89F0092). This value is an example: <i>\\machinename\pyexport.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_UserProfile_ To_E_SRM_Requester	Employee Set ID	Specify the default setID for employees' entries. This value is an example: <i>SHARE.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_UserProfile_ To_E_SRM_Requester	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http.</i>
PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_UserProfile_ To_E_SRM_Requester	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Purchase Order

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E_PO_To_E1_PO flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement	Document Order Type	Specify the document type that you use to distinguish purchase orders that originate in PeopleSoft Enterprise eProcurement from other purchase orders. This document type must be set up in UDC 00/DT and in the Order Line Types program (P40205) in the PeopleSoft EnterpriseOne system. The default value is <i>PS</i>. Note. If you are integrating both PeopleSoft Enterprise eProcurement and PeopleSoft Enterprise Strategic Sourcing with PeopleSoft EnterpriseOne Procurement, make sure that you use a different document type for purchase orders that originate in eProcurement than you do for purchase orders that originate in Strategic Sourcing.
PSFT_EnterpriseOne_SRM, eProcurement, E_PO_To_E1_PO	NonStock Line Type	Specify the order line type that you use to distinguish nonstock purchase orders in the PeopleSoft EnterpriseOne system. The default value is <i>N</i>.
PSFT_EnterpriseOne_SRM, eProcurement, E_PO_To_E1_PO	Processing Version - E1 Purchase Order	Specify the version of the Enter Purchase Orders program (P4310) to use in the PeopleSoft Enterprise system for purchase orders that originate in PeopleSoft Enterprise eProcurement. The default value is <i>ZJDE0001</i>.
PSFT_EnterpriseOne_SRM, eProcurement, E_PO_To_E1_PO	Service Line Type	Specify the order line type that you use to distinguish service purchase orders in the PeopleSoft EnterpriseOne system. The default value is <i>J</i>.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement, E_PO_To_E1_PO	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_SRM, eProcurement, E_PO_To_E1_PO	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

Hold Status Update

The integration options in this section are used by the eProcurement.E1_POHoldStatus_To_E_POStatusUpdate flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement, E1_POHoldStatus_To_E_POStatusUpdate	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E1_POHoldStatus_To_E_POStatusUpdate	Transaction Transport Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>

Purchase Order Dispatch Status from PeopleSoft Enterprise

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E_PODispatch_To_E1_POStatus flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement	Document Order Type	Specify the document type that you use to distinguish purchase orders that originate in PeopleSoft Enterprise eProcurement from other purchase orders. You must also set up this document type in UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>PS</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_ To_E1_POStatus	Bypass Business Function Warnings	Specify <i>1</i> to ignore warnings issued by the PeopleSoft EnterpriseOne business function. Specify <i>0</i> to receive business function warnings. If you specify <i>0</i> and the business function for the status update in the PeopleSoft EnterpriseOne system generates a warning, the integration stops processing the status update and returns an error to the PeopleSoft Enterprise system. The default value is <i>1</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_ To_E1_POStatus	Next Status Code	Specify the next status code to apply to PeopleSoft EnterpriseOne purchase order lines that have been dispatched in eProcurement. This status must be set up in the Order Activity Rules program (P40204) for the correct document type and line type. The default value is <i>280</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_ To_E1_POStatus	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_ To_E1_POStatus	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

Purchase Order Dispatch Status from PeopleSoft EnterpriseOne

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E1_PODispatch_To_E_POStatus flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM,eProcurement	Document Order Type	Specify the document type that you use to distinguish purchase orders that originate in PeopleSoft Enterprise eProcurement from other purchase orders. You must also set up this document type in UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>PS</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_To_E1_POStatus	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PODispatch_To_E1_POStatus	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .
PSFT_EnterpriseOne_XPIBroker, Procurement	Dispatched Status	Specify the next status code for purchase order lines that are dispatched in the PeopleSoft EnterpriseOne system. This status must be set up in the Order Activity Rules program (P40204) for the correct document type and line type. You should specify the same value in this integration option and in the Family, Procurement, PPI, eProcurement, E_PODispatch_And_E1_PODispatch, Next Status Code integration option. The default value is <i>280</i> .

Purchase Order Receipt from PeopleSoft Enterprise

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E_PORceipt_To_E1_PORceipt flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement	Document Order Type	Specify the document type that you use to distinguish purchase orders that originate in PeopleSoft Enterprise eProcurement from other purchase orders. You must also set up this document type in UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>PS</i> .
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>mm/dd/yyyy</i>).
PSFT_EnterpriseOne_SRM, eProcurement, E_PORceipt_To_E1_PORceipt	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E_PORceipt_To_E1_PORceipt	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

Purchase Order Receipt from PeopleSoft EnterpriseOne

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E1_PORceipt_To_E_PORceipt flow.

Navigation	Integration Option	Usage
System	Program Id	Specify the program ID that you use to distinguish receipts made in the PeopleSoft EnterpriseOne system on purchase orders that originated in PeopleSoft Enterprise eProcurement from other receipts. The default value is <i>XPI</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement	Document Order Type	Specify the document type that you use to distinguish receipts made in the PeopleSoft EnterpriseOne system on purchase orders that originated in PeopleSoft Enterprise eProcurement from other receipts. This document type must be set up in UDC 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>PS</i> .
PSFT_EnterpriseOne_SRM, eProcurement, E1_POReceipt_ To_E_POReceipt	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_SRM, eProcurement, E1_POReceipt_ To_E_POReceipt	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

Purchase Order Close Status

The integration options in this section are used by the PSFT_EnterpriseOne_SRM.eProcurement.E1_POClose_To_E_POStatus flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SRM, eProcurement, E1_POClose_To_ E_POStatus	Transaction Address	Specify the target address of the transport in the PeopleSoft Enterprise system (for example, the URL for an http transport). This value is an example: <i>http://machinename:port/PSIGW/HttpListeningConnector.</i>
PSFT_EnterpriseOne_SRM, eProcurement, E1_POClose_To_ E_POStatus	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 32

Setting Up Prerequisite Data for the eProcurement Integration

This chapter discusses how to:

- Set up manual data for the eProcurement integration.
- Load master data for the eProcurement integration.
- Set up cross-references for the eProcurement integration.

Setting Up Manual Data for the eProcurement Integration

Due to their static nature, certain entities must be manually synchronized between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You must load the values for these PeopleSoft EnterpriseOne codes into the PeopleSoft Enterprise system before you run the integration:

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Business Unit	Branch/Plant	eProcurement, Administer Procurement, Maintain Business Units, Purchasing Definition, Business Unit Definition	Procurement System Setup (G43A41), Branch/Plant Constants	We recommend that you manually enter the PeopleSoft EnterpriseOne business unit (MCU) value for the branch/plant as the description of the branch/plant in the PeopleSoft Enterprise system. Entering the PeopleSoft EnterpriseOne business unit number in the PeopleSoft Enterprise system makes it easier to looking up corresponding branch/plants in the two systems.
Buyer	Employees	eProcurement, Administer Procurement, Maintain Procurement Users, Buyers	Daily Processing (G0110), Address Book Revisions The search type is E.	In the PeopleSoft EnterpriseOne system, add address book records for employees using search type <i>E</i> . The User Profile/Address Book Batch Load adds the data to PeopleSoft Enterprise requesters. You must set up buyers manually in the PeopleSoft Enterprise system after the batch load is run.
Country	Country	Set Up Financials /Supply Chain, Common Definitions, Location, Country	UDC 00/CN	The default in the PeopleSoft Enterprise system is a three-digit value; two-digit values need to be set up to match the length allowed in the PeopleSoft EnterpriseOne system. A blank value in PeopleSoft EnterpriseOne user-defined codes is invalid when running this integration.

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Currency Code	Currency Code	Set Up Financials /Supply Chain, Common Definitions, Currency, Currency Code	Multi-Currency Setup (G1141), Designate Currency Codes	A blank value in the PeopleSoft EnterpriseOne system is invalid when running this integration.
Currency Exchange Rates	Currency Exchange Rates	Set Up Financials /Supply Chain, Common Definitions, Market Rates, Market Rates	Multi-Currency Setup (G1141), Currency Exchange Rate Entry	The PeopleSoft EnterpriseOne system is the system of record for exchange rates. Exchange rates should be set up the same in both systems, but the exchange rate from the PeopleSoft EnterpriseOne system is used when the purchase order is paid.
Freight Terms	Freight Handling Codes	Set Up Financials /Supply Chain, Common Definitions, Shipping and Receiving, Freight Terms	UDC 42/FR	
Item Category	Item Master Commodity Class Codes	Items, Define Controls, Item Categories	Inventory Master Transactions (G4111), Item Master Select Category Codes, Commodity Class from the Row menu. Use UDC 41/P1 to set up valid commodity classes.	The PeopleSoft Enterprise system has both a Category ID and a Category Name. The Category ID is assigned by next numbers. You should enter Category Names in the PeopleSoft Enterprise system that match the Commodity Class Codes in UDC 41/P1 in the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Payment Terms	Payment Terms	Set Up Financials /Supply Chain, Product Related, Procurement Options, Payments, Payment Terms - Single Payment	Payment Terms Revisions (G00141), Payment Terms Revisions	This integration supports simple payment terms only. The default in the PeopleSoft Enterprise system is a five-digit value; three-digit values need to be set up to match the length allowed in the PeopleSoft EnterpriseOne system.
Ship Via Codes	Modes of Transport	Set Up Financials /Supply Chain, Common Definitions, Shipping and Receiving, Ship Via Codes	UDC 00/TM	
State	State	Set Up Financials /Supply Chain, Common Definitions, Location, State	UDC 00/S	The default in the PeopleSoft Enterprise system is a six-digit value. However, state codes must not exceed three-digit to match the length allowed in the PeopleSoft EnterpriseOne system. State codes in the PeopleSoft Enterprise system have an associated two-digit country code.

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Tax Codes Tax Authority VAT Intrastat Tax Code VAT Intrastat Tax Authority	Tax Rate Areas Tax Explanation Codes Tax Authorities	- Set Up Financials /Supply Chain, Common Definitions, Sales and Use Tax, Codes - Set Up Financials /Supply Chain, Common Definitions, Sales and Use Tax, Authorities - Set Up Financials /Supply Chain, Common Definitions, VAT and Intrastat, Value Added Tax, VAT Code - Set Up Financials /Supply Chain, Common Definitions, VAT and Intrastat, Value Added Tax, VAT Authority	- Tax Processing and Reporting (G0021), Tax Rate/Areas - Daily Processing (G0110), Address Book Revisions (use Search Type TAX)	Taxes are calculated in the PeopleSoft Enterprise system at the time of purchase order creation in the PeopleSoft Enterprise system, but the tax calculated by the PeopleSoft EnterpriseOne system takes precedence over any tax calculated in the PeopleSoft Enterprise system because payment takes place in the PeopleSoft EnterpriseOne system.
Quantity Received Tolerance %	Quantity Tolerance %	Items, Define Controls, Item Categories	Procurement System Setup (G43A41), Tolerance Rules	The PeopleSoft Enterprise system supports tolerance on quantity only, not on amount. You must set up corresponding tolerance percentage for quantity to prevent a receipt that is created in one system from failing to be created in another system because it exceeds tolerance.

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Unit of Measure	Unit of Measure	Set Up Financials /Supply Chain, Common Definitions, Units of Measure, Units of Measure	UDC 00/UM	Dual unit of measure transactions are not supported for this integration. The default in the PeopleSoft Enterprise system is a three-digit value; two-digit values need to be set up.
Vendor Roles	Supplier	- Vendors, Vendor Information, Add-Update, Vendor - Vendors, Vendor Information, Add-Update, Vendor User - Vendors, Vendor Information, Add-Update, Define Vendor User	Daily Processing (G0110), Address Book Revisions Use Search Type UDC (01/ST)	The Supplier Master Batch Load automatically loads all PeopleSoft EnterpriseOne Suppliers to PeopleSoft Enterprise Vendors. You must manually set up vendor roles in the PeopleSoft Enterprise system only. They are used to set up the vendor's user ID, define the actions that the vendor can complete, and enable the vendor to sign on to the PeopleSoft Enterprise system.

Loading Master Data for the eProcurement Integration

This section provides overviews of the process of loading PeopleSoft EnterpriseOne data into PeopleSoft Enterprise tables and of the incremental synchronization of master data for the eProcurement integration, lists prerequisites, and discusses how to:

- Set processing options for Account Master Batch Load (R8909F0901).
- Set processing options for Supplier Master Batch Load (R8901F0401).
- Set processing options for Item Master Batch Load (R8941F4101).
- Set processing options for Item Cost Batch Load (R8941F4105).
- Set processing options for Supplier Price Batch Load - F41061 (R8945F4161).
- Set processing options for Address Book Master Batch Load (R8901F0101).
- Set processing options for Unit of Measure Batch Load (R89F41002).

- Run batch integrations in the Integration Server for the eProcurement integration.

Understanding the Process of Loading PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Tables for the eProcurement Integration

Perform initial loading of this PeopleSoft EnterpriseOne data to corresponding PeopleSoft Enterprise tables:

- Accounts
- Suppliers
- Items
- Item Cost
- Supplier Item Cost
- Item Unit of Measure Conversions
- Ship To Locations
- Users

This table describes the initial data loads that you must perform:

Table Conversion Program	Export File Name	Batch Integration Flow	PeopleSoft Enterprise Message
Account Master Batch Load (R8909F0901)	f0901batchload.txt	E1_Account_To_E_SRM_Account: convertAccountToAccountLoad	SAC_ACCT_LOAD_EIP
Supplier Master Batch Load (R8901F0401)	f0401batchload.txt	E1_Supplier_To_E_Vendor: convert_E1_Supplier_To_E_Vendor_ And_Dispatch	VENDOR_SYNC
Item Master Batch Load (R8941F4101)	f4101batchload.txt	E1_ItemMaster_To_E_Item: convert_E1_ItemMaster_To_E_Item	ITEM_SYNC
Item Cost Batch Load (R8941F4105)	f4105batchload.txt	E1_ItemCost_To_E_Item: convert_E1_ItemCost_To_E_Item	ITEM_SYNC
Supplier Price Batch Load - F4106 (R8945F4161)	v4101FJbatchload.txt	E1_SupplierItemCost_To_E_SRM_ ItemPriceList: convertSupplierItemCostToItem PriceList	ITEM_PRICE LIST_LOAD
Unit of Measure Batch Load (R89F41002)	F41002BatchLoad.tx	E1_ItemUOM_To_E_ItemUOM: convert_E1_ItemUOM_To_E_ ItemUOM	ITEM_SYNC
Address Book Master Batch Load (R8901F0101)	f0101batchload.txt	E1_ShipTo_To_E_ShipToLocation: convert_ShipTo_To_ShipToLocation	SHIPTO_LOCATION
User Profile/Address Book Batch Load (R89F0092)	v0092jbatchload.txt	E1_UserProfile_To_E_SRM_ Requester: convertUserProfileToRequester	REQUESTER_LOAD

Account Master Batch Load

This initial batch load sends account information from the PeopleSoft EnterpriseOne Account Master table (F0901) to the PeopleSoft Enterprise GL_ACCOUNT_TBL table.

The integration server sends the object and subsidiary portions of the PeopleSoft EnterpriseOne account number, separated by the account delimiter specified in the integration options, to the PeopleSoft Enterprise system.

Only certain ranges of general ledger account numbers need to be integrated. For example, you might want to load only the expense accounts that support the items or services being placed on the requisitions.

You can limit the general ledger accounts that are integrated for the initial batch load by using the processing options on the Account Master Batch Load program (R8909F0901). Expense accounts tend to fall into certain ranges. For example, if the PeopleSoft EnterpriseOne expense accounts are within object account numbers 1000-1499, and 5000-5499, then set up those ranges for the initial batch load and only those object account numbers are integrated with the PeopleSoft Enterprise system.

You can use a realtime event to integrate accounts that are added after the initial batch load. However, the realtime event does not recognize the account range that you defined for the initial batch load and may integrate accounts that are outside of this range. If you prefer not to use a realtime event to integrate account additions, you can run the Account Master Batch Load again, specifying an effective date and the appropriate account range in the processing options of the table conversion program.

The account message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the account loader to update the PeopleSoft Enterprise tables.

SAC_ACCT_LOAD_EIP does not include an action code. Therefore, when you integrate an object account and subsidiary combination that has already been integrated, the system assumes that it is a change to the existing object account and subsidiary combination and overwrites the record in the PeopleSoft Enterprise system.

See [Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8](#).

See [Chapter 31, “Setting Up the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration,” Setting Up Integration Options for the eProcurement Integration, page 277](#).

Supplier Master Batch Load

This initial batch load sends suppliers from these PeopleSoft EnterpriseOne tables to the PeopleSoft Enterprise VENDOR table:

- Supplier Master (F0401)
- Address by Date (F0116)
- Address Book - Who's Who (F0111)
- Address Book - Contact Phone Numbers (F0115)
- Electronic Address (F01151)

The supplier-to-vendor flow does not support net change of transactions. To keep vendors synchronized in the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system, a system administrator must periodically purge the vendors from the PeopleSoft Enterprise system and rerun the supplier initial data load process.

Vendors are automatically assigned the vendor persistence setting Regular in the PeopleSoft Enterprise system.

The alpha name from the f0401batchload.txt file, which comes from the Alpha Name field (ALPH) in the Address Book Master table (F0101), is truncated to 14 characters and is mapped to the `VENDOR_NAME_SHORT` field in the `VENDOR_SYNC` EIP. If the combination of the `VENDOR_NAME_SHORT` and the `SETID` for a record is not unique, the `VENDOR_SYNC` cannot process the record and returns an error.

Also, effective-dated supplier records are not supported.

Item Master Batch Load

This initial batch load sends items from the PeopleSoft EnterpriseOne Item Master table (F4101) to the PeopleSoft Enterprise Item Master, `MASTER_ITEM`, `INV_ITEM` tables.

Note. You must run the Account Master batch load before you run the Item Master batch load so that the items can be attached to valid accounts.

You must run the item master batch integration, including running both the table conversion program and the integration flow, once for each stocking type that you want to integrate. You should not include stocking types that are obsolete.

If you run the item master batch integration a second time for a single stocking type because of a problem with the initial load, you must clear the item cross reference before you rerun the batch integration.

See [Chapter 32, “Setting Up Prerequisite Data for the eProcurement Integration,” Setting Up Cross-References for the eProcurement Integration, page 310.](#)

The item message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

The integration does not support configured items (stocking type C). If you load configured items from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, the items are added, but the configuration is not maintained. If you load a parent configured item, the child configurations are not maintained.

Also, effective-dated items are not supported.

If approval processing is not activated in the PeopleSoft Enterprise system, items are automatically set to the Pending Approval (active) status.

Item Cost Batch Load

This initial batch load sends item cost information from the PeopleSoft EnterpriseOne Item Cost File table (F4105) to the standard price for an item in the PeopleSoft Enterprise `PURCH_ITEM_ATTR` table.

Important! You must run the item master initial data load before you run this initial data load.

The process of determining whether to load the cost information for an item depends on the cost level of the item. This table explains the process:

Cost Level	Process
1	The table conversion program compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.

Cost Level	Process
2	The table conversion program compares the value in the Branch/Plant processing option on the table conversion program the Branch Plant (MCU) in the Item Cost File table (F4105). If two branch plants are the same, the table conversion compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.
3	The table conversion program compares the value in the Branch/Plant processing option on the table conversion program the Branch Plant (MCU) in the Item Cost File table (F4105). If two branch plants are the same, the table conversion compares the primary location (LOCN) from the Item Location File table (F41021) with the primary location (LOCN) from the Item Cost File table (F4105). If the two primary locations are the same, the table conversion compares the Purchasing Cost Method (PCSM) to the Cost Method (LEDG) in the Item Cost File table (F4105). If the two cost methods are the same, the record is written to the flat file.

Note. If an item cost record fails any test described in the preceding table, that record is not written to the flat file.

The item cost message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

If you run the item cost batch integration a second time because of a problem with the initial load, you must clear the itemcost key cross reference before you rerun the batch integration.

Supplier Price Batch Load

This initial batch load sends supplier item cost information from the PeopleSoft EnterpriseOne Supplier Price/Catalog File table (F41061) to the PeopleSoft Enterprise ITEM_VENDOR_UOM staging tables.

Important! The Supplier Price initial batch load requires that two additional programs are run in the PeopleSoft Enterprise system in order to properly load the tables.

See PeopleSoft Managing Items 8.9 PeopleBook, “Loading Items.”

The Quantity Break field in PeopleSoft EnterpriseOne table F41061 is not sent to the PeopleSoft Enterprise system. If table F41061 contains two records for the same item with the same UOM (unit of measure), one with a Quantity Break and one without, the batch load will fail.

The PeopleSoft Enterprise system assumes that the unit of measure on the first supplier price record is the standard unit of measure. However, the first record sent from the PeopleSoft EnterpriseOne system might not reflect the standard unit of measure for the item. After you perform the initial load of supplier prices, you might need to select the Default Unit of Measure option on the Vendor’s UOM & Pricing Info page in the PeopleSoft Enterprise system for the correct standard unit of measure for the vendor item price.

See PeopleSoft Enterprise Purchasing 8.9 PeopleBook, “Setting Up PeopleSoft Purchasing,” Defining Purchasing Item Information, Defining Purchasing Item Attributes, Defining Purchasing Item Vendor UOM and Pricing Information.

Item Unit of Measure Batch Load

This initial batch load sends unit of measure (UOM) conversion information from the PeopleSoft EnterpriseOne Item Units of Measure Conversion Factors to the PeopleSoft Enterprise Item UOM table.

The Item Unit of Measure initial batch load is optional.

The PeopleSoft Enterprise system supports only unit of measure conversions from or to the primary (lowest) unit of measure. For example, if the primary unit of measure for an item is EA (each), a conversion from BX (boxes) to EA is supported, and a conversion from EA to CA (cases) is supported, but a conversion between BX (boxes) and CA (cases) is not supported.

Also, PeopleSoft Enterprise conversion rates cannot exceed seven integers and eight decimal places. A PeopleSoft EnterpriseOne conversion rate with more than seven integers or eight decimals (for example, 12345678.0 or 0.123456789) will cannot be integrated with the PeopleSoft Enterprise system.

The item unit of measure message is written to a staging table in the PeopleSoft Enterprise system. If the message is validated in the staging table, the process scheduler runs the item loader to update the PeopleSoft Enterprise SRM tables.

If you run the item unit of measure integration a second time because of a problem with the initial load, you must clear the itemUOM key cross reference before you rerun the batch integration.

Ship To Batch Load

This initial batch load sends address book records for facilities from the PeopleSoft EnterpriseOne Address Book Master table (F0101) to the PeopleSoft Enterprise SHIP_TO_TBL table.

You must specify search type *F* in the processing options of the Address Book Master Batch Load program in order to select only facilities.

The mailing name from the PeopleSoft EnterpriseOne system is truncated to 30 characters in the PeopleSoft Enterprise system and the alpha name is truncated to 10 characters in the PeopleSoft Enterprise system.

The E1_Facilities_To_E_SRM_ShipToLocation flow that was used by the initial version of the eProcurement integration has been replaced by the E1_ShipTo_To_E_ShipToLocation flow. Both flows use the R8901F0101 table conversion to extract ship to locations from the PeopleSoft EnterpriseOne system. If you are upgrading from the initial version of the eProcurement integration and have already run the E1_Facilities_To_E_SRM_ShipToLocation flow to load ship to locations, you must now run the E1_ShipTo_To_E_ShipToLocation flow using the same ship to records in order to create the shipto key cross reference. In this situation, the E1_ShipTo_To_E_ShipToLocation will not add any records to the PeopleSoft Enterprise system because the records already exist. The sole purpose of running the flow is to create the cross reference. Because the ship to records already exist in the PeopleSoft Enterprise system, the load will error out in the PeopleSoft Enterprise system. You will need to clear out these error logs.

See [Chapter 32, “Setting Up Prerequisite Data for the eProcurement Integration,” Setting Up Cross-References for the eProcurement Integration, page 310.](#)

If you are using both the Sourcing integration and version two of the eProcurement integration, you must run the batch load for each integration by running the R89F41001 table conversion for the Sourcing integration and the R8901F0101 table conversion for the eProcurement integration. You then run the E1_ShipTo_To_E_ShipToLocation flow twice, specifying the appropriate flat file name in the In File Name - E1 integration option before each time you run the flow.

If you run the ship to batch integration a second time because of a problem with the initial load, you must clear the shipto cross reference before you rerun the batch integration.

User Profile Batch Load

This initial batch load sends user records from the PeopleSoft EnterpriseOne Library Lists - User table (F0092) to the PeopleSoft Enterprise REQUESTOR_TBL table.

Understanding the Incremental Synchronization of Master Data for the eProcurement Integration

After you have initially loaded master data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system, you may need to sync up additions or changes to master data that occur in the PeopleSoft EnterpriseOne system.

Incremental sync integrations run automatically when you add, change, or delete an PeopleSoft EnterpriseOne item or item cost record; when you add or change a supplier, ship to location, or unit of measure conversion; or when you add an PeopleSoft EnterpriseOne account.

Note. Some changes to PeopleSoft EnterpriseOne companies, business units, and accounts may be to fields that are not integrated with the PeopleSoft Enterprise system. As a result, some incremental sync messages processed by the PeopleSoft Enterprise system might contain no changes to integrated data.

This table describes the incremental syncs provided in this integration:

Published Interface Document	Integration	EIP
notifySupplierEventPublishDocument	E1_Supplier_To_E_Vendor	VENDOR_SYNC
notifyGLAccountEventPublishDocument	E1_Account_To_E_Account	SAC_ACCT_LOAD_EIP
notifyAddressBookPublishDocument	E1_AddressBookRTE_To_E_ShipToLocation	LOCATION_SYNC SHIPTO_LOCATION
notifyShipToEventPublishDocument	E1_ShipTo_RTE_To_E_ShipToLocation	SHIPTO_LOCATION
notifyItemMasterEventPublishDocument	E1_ItemMaster_To_E_Item	ITEM_SYNC
notifyItemCostEventPublishDocument	E1_ItemCost_To_E_Item	ITEM_SYNC

Suppliers

Effective dating of suppliers is not supported; the PeopleSoft EnterpriseOne system sends an effective date of January 01, 1900 to the PeopleSoft Enterprise system for all suppliers. Therefore, the supplier incremental sync supports only the effective address, not future addresses.

Also, the supplier incremental sync supports only one address, one contact, and one email address for each supplier.

Accounts

If you use data selection or integration options to include a range of accounts for the initial load, you must use the data selection or integration options for the incremental sync.

The PeopleSoft EnterpriseOne system invokes the realtime event for accounts when accounts are added, but not when accounts are changed or deleted. If you delete an account in the PeopleSoft EnterpriseOne system, you must also manually delete that account in the PeopleSoft Enterprise system.

Ship To Locations

When you change a ship to location in the PeopleSoft EnterpriseOne system, the RTABOUT realtime event is picked up by the E1_AddressBookRTE_To_E_ShipToLocation flow, which sends the data to the LOCATION_SYNC EIP and the SHIPTO_LOCATION EIP.

When you change an address book record for a ship to location in the PeopleSoft EnterpriseOne system, you see two instances of the SHIPTO_LOCATION EIP in the PeopleSoft Enterprise Integration Broker Message Monitor, one for inbound and one for outbound. This integration uses only the inbound EIP.

You must enter a value of 2 (Populate Both Contact Information Fields and Array) in the Configure Contact Information processing option 1 to 2 on the Address Book Master Real Time Event Wrapper Application (P010085). If you do not set this processing option, the XML message that is sent to the PeopleSoft Enterprise system does not contain the correct information.

The incremental sync of ship to locations does not support deletions. If you delete a ship to location in the PeopleSoft EnterpriseOne system, you must manually inactivate the corresponding ship to location in the PeopleSoft Enterprise system.

Effective dating of ship to locations is not supported.

Items

When you delete an item in the PeopleSoft EnterpriseOne system, the item is marked as inactive in the PeopleSoft Enterprise system.

Unit of Measure - Weight and Unit of Measure - Volume are not supported on the item realtime event. However, these fields are included on the initial load.

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems will be encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where the PeopleSoft EnterpriseOne table conversions will create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for Account Master Batch Load (R8909F0901)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Account Master table (F0901). If you leave this processing option blank, the table conversion selects all records in table F0901. For the initial load of accounts, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from table F0901. For the initial load of accounts, leave this processing option blank to select all business units.
Business Unit - From	Specify the first business unit in a range of business units. The table conversion selects accounts within the business unit range that you specify. If you leave this processing option blank and complete the Business Unit - To processing option, the system selects accounts with business units up to and including the business unit specified in the Business Unit - To processing option. If you leave both this processing option and the Business Unit - To processing option blank, all business units are valid for selection.
Business Unit - To	Specify the last business unit in a range of business units. The table conversion selects accounts within the business unit range that you specify. If you leave this processing option blank and complete the Business Unit - From processing option, the system selects accounts with business units from and including the business unit specified in the Business Unit - From processing option. If you leave both this processing option and the Business Unit - From processing option blank, all business units are valid for selection.
Object Account - From	Specify the first object account in a range of object accounts. The table conversion selects accounts within the object account range that you specify. If you leave this processing option blank and complete the Object Account - To processing option, the system selects accounts with object accounts up to and including the object specified in the Object Account - To processing option. If you leave both this processing option and the Object Account - To processing option blank, all object accounts are valid for selection.
Object Account - To	Specify the last object account in a range of object accounts. The table conversion selects accounts within the object account range that you specify. If you leave this processing option blank and complete the Object Account - From processing option, the system selects accounts with object accounts from and including the object specified in the Object Account - From processing option. If you leave both this processing option and the Object Account - From processing option blank, all object accounts are valid for selection.
Subsidiary	Specify the subsidiary that the table conversion uses to select accounts. If you leave this processing option blank, all subsidiaries are valid for selection.

Setting Processing Options for Supplier Master Batch Load (R8901F0401)

Processing options enable you to specify the default processing for programs and reports.

Default

1. **Date - From** Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Supplier Master table (F0401). If you leave this processing option blank, the table conversion selects all records in the F0401 table.

For the initial load of suppliers, leave this processing option blank to select all business units.
2. **Time - From** Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F0401 table.

For the initial load of suppliers, leave this processing option blank to select all business units.

Setting Processing Options for Item Master Batch Load (R8941F4101)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Item Master table (F4101). If you leave this processing option blank, the table conversion selects all records in the F4101 table. For the initial load of items, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F4101 table. For the initial load of items, leave this processing option blank to select all business units.
Stocking Type	Specify the stocking type for nonstock transactions. The default value is <i>N</i> .

Note. This integration supports only nonstock transactions.

Setting Processing Options for Item Cost Batch Load (R8941F4105)

Processing options enable you to specify the default processing for programs and reports.

Default

Default Business Unit	Specify the default branch plant to be used when creating the flat file for items at cost level 2 or 3. If the branch plant you enter does not match the branch plant of the selected record, the record is not written to the flat file. If you leave this processing option blank, the item cost flat file is generated for all branch plants.
Default Location	Specify the default location for items at cost level 3. Enter <i>1</i> to select item cost records based on their primary location as defined in the Item Location File table (F41021). Leave this processing option blank to create the item cost flat file for all locations.
Stocking Type	Specify the stocking type for nonstock transactions. The default value is <i>N</i> .

Setting Processing Options for Supplier Price Batch Load - F41061 (R8945F4161)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Supplier Price/Catalog File table (F41061). If you leave this processing option blank, the table conversion selects all records in the F41061 table. For the initial load of supplier price, leave this processing option blank to select all business units.
Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F41061 table. For the initial load of supplier price, leave this processing option blank to select all business units.

Setting Processing Options for Address Book Master Batch Load (R8901F0101)

Processing options enable you to specify the default processing for programs and reports.

Default

1. Date - From	Specify the beginning date of a valid range of dates that the table conversion uses to select records from the Address Book Master table (F0101). If you leave this processing option blank, the table conversion selects all records in the F0101 table. For the initial load of facilities, leave this processing option blank to select all business units.
2. Time - From	Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build the data selection that the table conversion uses to select records from the F0101 table.

For the initial load of facilities, leave this processing option blank to select all business units.

3. Search Type

Specify the search type that the table conversion uses to select records from the F0101 table. For the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration, specify the search type for Facilities.

Setting Processing Options for Unit of Measure Batch Load (R89F41002)

Processing options enable you to specify the default processing for programs and reports.

Default

Business Unit

Specify the branch/plant that the table conversion uses to select records from the Item Units of Measure Conversion Factors table (F41002). If you leave this processing option blank, the table conversion selects all records in the F41002 table.

For the initial load of unit of measure conversions, leave this processing option blank to select all branch/plants.

Running Batch Integrations in the Integration Server for the eProcurement Integration

Use PeopleSoft EnterpriseOne WSG Integration Server or WSG Developer to invoke the batch integrations. The batch integration contains an integration service, which performs the necessary data transformations and exports an XML file that the PeopleSoft Enterprise system can receive.

To run the batch integrations manually, invoke these services:

Integration Service	Navigation
E1_ItemMaster_To_E_Item	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemMaster_To_E_Item:convert_E1_ItemMaster_To_E_Item
E1_ItemCost_To_E_Item	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_ItemCost_To_E_Item:convert_E1_ItemCost_To_E_Item
E1_Supplier_To_E_Vendor	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Supplier_To_E_Vendor:convert_E1_Supplier_To_E_Vendor_And_Dispatch
E1_SupplierItemCost_To_E_SRM_ItemPriceList	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_SupplierItemCost_To_E_SRM_ItemPriceList:convertSupplierItemCostToItemPriceList
E1_Account_To_E_SRM_Account	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_Account_To_E_SRM_Account:convertAccountToAccountLoad

Integration Service	Navigation
E1_ShipTo_To_E_ShipToLocation	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ShipTo_To_E_ShipToLocation, convert_ShipTo_To_ShipToLocation
E1_ItemUOM_To_E_ItemUOM	PSFT_EnterpriseOne_SRM, InitialBatchLoads, E1_ItemUOM_To_E_ItemUOM, convert_E1_ItemUOM_To_E_ItemUOM
E1_UserProfile_To_E_SRM_Requester	PSFT_EnterpriseOne_SRM.InitialBatchLoads.E1_UserProfile_To_E_SRM_Requester: convertUserProfileToRequester

Note. Some firewalls and network settings can interfere with the retrieval of the text files from the designated network folder if on a different domain. If this problem occurs, copy the text files to a share drive on the same network domain as the WSG Integration Server.

See Also

webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services

Setting Up Cross-References for the eProcurement Integration

This section discusses how to:

- Set up key cross-references for the eProcurement integration.
- Set up code cross-references for the eProcurement integration.

Setting Up Key Cross-References for the eProcurement Integration

The integration requires that key cross-references be set up in the PeopleSoft EnterpriseOne WSG Cross-Reference database. The system creates all of these key cross-references except for the businessunit cross-reference, which you must create manually.

Some of the key cross references are used to determine whether a record that is being sent from the PeopleSoft EnterpriseOne system is being added or changed. If the record has a the key that is already listed in the cross-reference, the record is considered to be a change. If the record's key is not already listed in the cross-reference, the record is considered to be an add.

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>businessunit</i>	You must manually set up this key cross-reference between PeopleSoft EnterpriseOne business units and PeopleSoft Enterprise business units. In the Native Key field, specify business units from the BUSINESS_UNIT field in the PeopleSoft Enterprise system. In the Canonical Key field, specify business units from the Business Unit field (MCU) of the Business Unit Master table (F0006) in the PeopleSoft EnterpriseOne system.
<i>E-SRM</i>	<i>department</i>	You must manually set up this key cross-reference between the PeopleSoft EnterpriseOne business units that the employee expenses will be charged to, branch/plants, or both and PeopleSoft Enterprise departments. In the Native Key field, specify departments from the DEPT_ID field in the PeopleSoft Enterprise system. In the Canonical Key field, specify business units from the Business Unit field (MCU) in the Business Unit Master table (F0006) or in the Item Branch File table (F4102) in the PeopleSoft EnterpriseOne system.
<i>E-SRM</i>	<i>electronicaddresslinenumber</i>	The system creates this key cross-reference during the initial load of suppliers. This cross-reference is used by the incremental sync of suppliers to determine whether the email address that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: vendorID who's who line number email line number Note. The who's who line number is always 1.

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>item</i>	The system creates this key cross-reference during the initial load of items. This cross-reference is used by the incremental sync of suppliers to determine whether the item record that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: item number
<i>E-SRM</i>	<i>itemcost</i>	The system creates this key cross-reference during the initial load of item cost information. This cross-reference is used by the incremental sync of item cost information to determine whether the item cost information that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: item number
<i>E-SRM</i>	<i>itemUOM</i>	The system creates this key cross-reference during the initial load of item unit of measure conversions. This cross-reference is used by the incremental sync of item unit of measure conversions to determine whether the item unit of measure conversion that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: Item number from unit of measure to unit of measure primary unit of measure

Application ID	Object ID	Comments
<i>E-SRM</i>	<i>phonelinenum</i>	The system creates this key cross-reference during the initial load of suppliers. This cross-reference is used by the incremental sync of suppliers to determine whether the phone number that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: vendorID who's who line number phone line number Note. The who's who line number is always <i>1</i>.
<i>E-SRM</i>	<i>shipto</i>	The system creates this key cross-reference during the initial load of ship to locations. Because ship to information can be loaded from different sources for the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement integration and the PeopleSoft Enterprise Strategic Sourcing to PeopleSoft EnterpriseOne Procurement integration, this cross-reference is used by both the initial load and incremental sync of ship to locations to determine whether the phone number that is being sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system is being added or changed. The key is formatted as follows: address book number

For example, you might have business units 30 and M30 set up in the PeopleSoft EnterpriseOne system. Business unit M30 is set up as a branch/plant and maps to business unit US001 in the PeopleSoft Enterprise system. Cost center 30 in the PeopleSoft EnterpriseOne system maps to department 5000 in the PeopleSoft Enterprise system. In this situation, you would set up key cross-references in this way:

Object ID	Native Code	Canonical Code
<i>businessunit</i>	<i>US001</i>	<i>M30</i>
<i>department</i>	<i>5000</i>	<i>30</i>

Setting Up Code Cross-References for the eProcurement Integration

You set up code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference database. To cross reference phone types, use Application ID *E-SRM* and the Object ID *phonetype*. Specify the PeopleSoft Enterprise value as the Native Code and the PeopleSoft EnterpriseOne value as the Canonical Code, for example:

Application ID	Object ID	Native Code	Canonical Code
<i>E-SRM</i>	<i>phonetype</i>	• <i>BUSN</i> • <i>DORM</i> • <i>OTR</i> • <i>PGR1</i> • <i>PGR2</i> • <i>TELX</i> • <i>FAX</i> • <i>HOME</i> • <i>MAIN</i> • <i>CAMP</i> • <i>CELL</i>	Specify codes from UDC 01/PH in the PeopleSoft EnterpriseOne system.

Note. A blank phone type in the PeopleSoft EnterpriseOne system is invalid when running this integration. PeopleSoft EnterpriseOne phone types are listed in UDC 01/PH.

CHAPTER 33

Using the PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement Integration

This chapter discusses:

- The integration of purchase orders.
- Purchase order creation in the PeopleSoft Enterprise system.
- Purchase order changes in the PeopleSoft Enterprise system.
- Purchase order cancellations in the PeopleSoft Enterprise system.
- Purchase order hold releases in the PeopleSoft EnterpriseOne system.
- Purchase order dispatching in the PeopleSoft Enterprise system.
- Purchase order dispatching in the PeopleSoft EnterpriseOne system.
- Purchase order receipt creation in the PeopleSoft Enterprise system.
- Purchase order receipt creation in the PeopleSoft EnterpriseOne system.
- Purchase order closes in the PeopleSoft EnterpriseOne system.

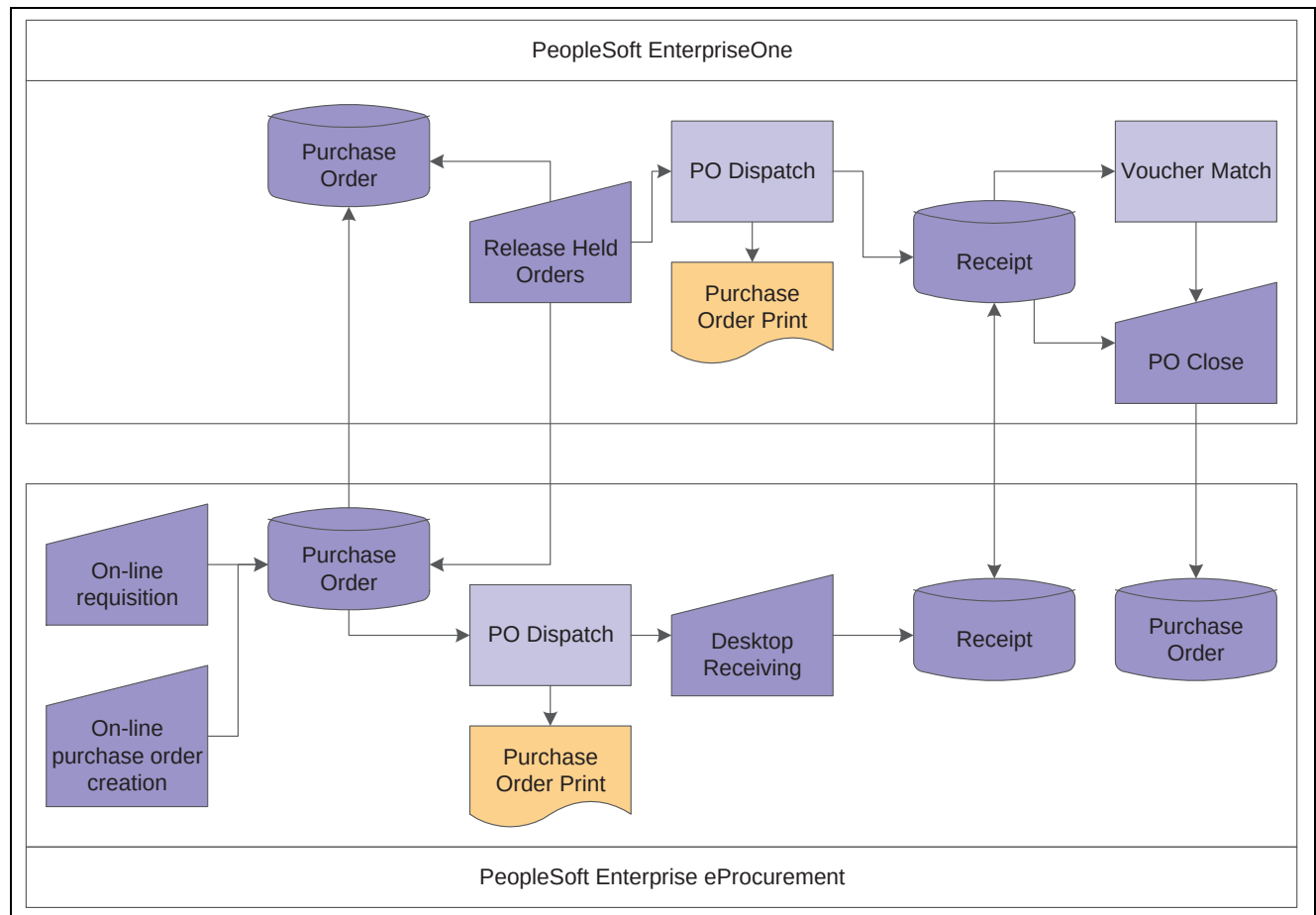
Understanding the Integration of Purchase Orders

PeopleSoft Enterprise eProcurement handles the procurement process from requisition entry and approvals through generation of purchase orders. Purchase orders are sent to the PeopleSoft EnterpriseOne system. You must change and delete purchase orders in the PeopleSoft Enterprise system; the system updates the corresponding purchase order in the PeopleSoft EnterpriseOne system accordingly. Purchase orders can be dispatched in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Receiving can be done in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system.

Note. A purchase order should be received entirely in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Do not partially receive a purchase order in one system and then receive the remaining portion in the other system.

Voucher matching takes place in the PeopleSoft EnterpriseOne system, which closes the purchase order in both the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system.

This diagram illustrates the processes supported by the integration:



PeopleSoft Enterprise eProcurement to PeopleSoft EnterpriseOne Procurement process

Understanding Purchase Order Creation in the PeopleSoft Enterprise System

After a requisition is approved in PeopleSoft Enterprise eProcurement, it is available for sourcing to a purchase order.

When integrating PeopleSoft Enterprise eProcurement with the PeopleSoft EnterpriseOne system, it is highly recommended that you use the Quick Sourcing capabilities.

This flow occurs when initiating the Quick Sourcing background process:

1. The Autoselect process applies the priority one vendor to each line in the requisition.
2. The PO Calculations process assigns the vendor based on sourcing rules, and applies taxes, price adjustments, and miscellaneous charges.
3. The Create Purchase Order process assigns the purchase order.
4. The user should ensure that all procurement General Ledger business document-tolerance-checking tools are disabled so that the purchase order is created with the document tolerance status of Valid.

Note. The Hold from Further Processing check box must be selected to avoid being dispatched prior to budget check in the PeopleSoft EnterpriseOne system.

We recommend the Quick Source process for batch purchase order creation with Hold From Further Processing Option on in the run control. If you are using the Requisition Expedite process, you must manually enable the hold from further process flag on the purchase order to prevent the purchase order from being dispatched before the purchase order is verified or budget-checked in the PeopleSoft EnterpriseOne system.

5. The sourcing process creates a purchase order with only one schedule and one distribution per purchase order line.

Note. Sourcing controls in PeopleSoft Enterprise eProcurement cannot be set to source from Inventory.

6. Schedule or manually set up the Integration Broker to send the SAC_PS_PO_EIP message to the PeopleSoft EnterpriseOne system to read.

The integration creates a corresponding purchase order in PeopleSoft EnterpriseOne Procurement.

Note. PeopleSoft Enterprise purchase orders must be approved before transmission to the PeopleSoft EnterpriseOne system, and PeopleSoft Enterprise purchase orders must be transmitted to the PeopleSoft EnterpriseOne system before being dispatched to a supplier.

7. The PeopleSoft EnterpriseOne system creates the purchase order with the document type specified in the integration options and the document number from the PeopleSoft Enterprise purchase order.

The system assigns the line type based on the nonstock line type or service line type specified in the integration options. Status codes are assigned to the PeopleSoft EnterpriseOne purchase order based on the order activity rules that are set up for the document type and line type in the PeopleSoft EnterpriseOne system. The due date from the PeopleSoft Enterprise purchase order is used to populate both the request date and promised delivery date on the PeopleSoft EnterpriseOne purchase order.

Note. The default document type is PS. Also, PeopleSoft Enterprise purchase order identifiers are limited to a length of 8 characters and must be unique for the eProcurement installation.

8. The integration does not populate the Quantity field for any purchase order lines in the PeopleSoft EnterpriseOne system that are flagged for amount only in the PeopleSoft Enterprise system.

These lines are considered to be lump sum purchase orders.

9. Purchase orders are processed through a budget check in the PeopleSoft EnterpriseOne system, if applicable.

If the purchase order does not pass the budget checking process, the PeopleSoft EnterpriseOne system places the order on hold and sends a status update to put the PeopleSoft Enterprise purchase order on hold.

Note. Disable commitment control in the PeopleSoft Enterprise system.

10. Any errors encountered during the creation of the purchase order in the PeopleSoft EnterpriseOne system are returned to PeopleSoft Enterprise eProcurement by writing to a cross reference table.

Any errors can be seen in the message sent to the Integration Broker. If the creation is successful, the PeopleSoft EnterpriseOne system returns a confirmation to the PeopleSoft Enterprise system and updates the status of the purchase order.

Considerations for Placing Purchase Orders on Hold

This integration supports either of these processes for placing purchase orders on hold:

- The PeopleSoft EnterpriseOne system can place the purchase order on hold because of a failed budget check and pass that hold to the PeopleSoft Enterprise purchase order.
- You can place the order on hold in the PeopleSoft Enterprise system before sending a purchase order add or change to the PeopleSoft EnterpriseOne system.

In both of these cases, release the hold in the PeopleSoft EnterpriseOne system, which also releases the hold on the PeopleSoft Enterprise purchase order.

If you manually place a purchase order on hold in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system using a process other than those explained in the Creating Purchase Orders in PeopleSoft Enterprise section, you will have inconsistent results.

Because no message is sent from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system when a user puts a purchase order on hold in the PeopleSoft Enterprise system, this situation can occur:

1. A purchase order that is not on hold is created in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.
2. A user places the purchase order on hold in the PeopleSoft Enterprise system.
3. The purchase order is not placed on hold in the PeopleSoft EnterpriseOne system.
4. A user dispatches the purchase order in the PeopleSoft EnterpriseOne system, which sends a status update to the PeopleSoft Enterprise system.
5. The purchase order in the PeopleSoft Enterprise system now has a dispatched status, but is on hold.

Because no message is sent from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system when a user puts a purchase order on hold in the PeopleSoft EnterpriseOne system, this situation can occur:

1. A purchase order that is not on hold is created in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.
2. A user places the purchase order on hold in the PeopleSoft EnterpriseOne system.
3. The purchase order is not placed on hold in the PeopleSoft Enterprise system.
4. A user dispatches the purchase order in the PeopleSoft Enterprise system, which sends a status update to the PeopleSoft EnterpriseOne system.
5. The purchase order has a dispatched status in both systems, but the hold statuses are out of sync between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

See Also

PeopleSoft Enterprise eProcurement 8.9 PeopleBook, "Using the Buyer Center"

Understanding Purchase Order Changes in the PeopleSoft Enterprise System

You may need to change a purchase order because of changes in price, quantity, dates, and so on. These changes must originate in the PeopleSoft Enterprise system. The changes that you make in the PeopleSoft Enterprise system are sent to the PeopleSoft EnterpriseOne system to update the corresponding purchase order.

Note. The processing options for the Enter Purchase Orders program (P4310) should be set to not allow any changes to the purchase order after its initial creation.

Changes in PeopleSoft Enterprise eProcurement can be made once the purchase order has been dispatched. Changes made prior to dispatch are considered updates.

Note. Deletions are not allowed after the purchase order has been transmitted to the PeopleSoft EnterpriseOne system. This restriction includes the line, schedule, and distribution.

Once a change request is approved, the system creates a change order. A change order is a duplicate of the original purchase order sent to the vendor, but with the changes that you are requesting.

To process the changes, change orders must be run through the Purchase Order Changes process.

The PO Change Order process holds the order from further processing on the PeopleSoft Enterprise side, and sends the Purchase Order EIP message to the PeopleSoft EnterpriseOne system for budget-checking.

Note. If any changes are made to the purchase order, the system selects the Hold from Further Processing check box and disables the Hold status. The entire order, not just the net changes, is sent to the PeopleSoft EnterpriseOne system again.

Any errors encountered while updating the purchase order in the PeopleSoft EnterpriseOne system are returned to PeopleSoft Enterprise eProcurement. If the update is successful, the PeopleSoft EnterpriseOne system returns a confirmation to the PeopleSoft Enterprise system.

Note. After you have performed receiving against the purchase order, you cannot change it.

Changes to Purchase Orders in the PeopleSoft EnterpriseOne System

To prevent purchase orders that originated in the PeopleSoft Enterprise system from being changed in the PeopleSoft EnterpriseOne system, specify the next status that is assigned to purchase orders when they are added from the PeopleSoft Enterprise system in the Detail Line Protection processing option of the Enter Purchase Orders program (P4310). For example, if purchase orders from the PeopleSoft Enterprise system are created in the PeopleSoft EnterpriseOne system with a next status of 230 and a last status of 220, specify 230 in this processing option. Setting the processing option this way protects the purchase order from changes in the PeopleSoft EnterpriseOne system through order status 230, and the user cannot make changes to this purchase order in the Enter Purchase Orders program.

Due Dates

When a purchase order that originates in the PeopleSoft Enterprise system is created in the PeopleSoft EnterpriseOne system, the integration populates the Request Date field in the PeopleSoft EnterpriseOne system with the due date from the PeopleSoft EnterpriseOne system and the PeopleSoft EnterpriseOne system populates the Promised Delivery Date field with the same date. However, if you change the due date in the PeopleSoft Enterprise system, the system updates the request date in the PeopleSoft EnterpriseOne system, but not the promised delivery date.

Understanding Purchase Order Cancellations in the PeopleSoft Enterprise System

You must cancel integrated purchase orders in PeopleSoft Enterprise eProcurement. When you cancel an integrated purchase order in the PeopleSoft Enterprise system, the corresponding PeopleSoft EnterpriseOne purchase order is also canceled. If you cancel the PeopleSoft Enterprise purchase order at the header level, the PeopleSoft EnterpriseOne system cancels all of the lines on the purchase order. You can also cancel single or multiple lines on a purchase order.

By canceling the purchase order in PeopleSoft Enterprise eProcurement, the header status changes to reflect Pending Cancel (PX). This status change is sent to the PeopleSoft EnterpriseOne system using the Purchase Order EIP. The status of the PeopleSoft EnterpriseOne purchase order is changed to 999.

Once the purchase order is canceled in the PeopleSoft EnterpriseOne system, a message is returned to PeopleSoft Enterprise eProcurement to change the status to Canceled (X).

Any errors encountered while canceling the purchase order in the PeopleSoft EnterpriseOne system are returned to PeopleSoft Enterprise eProcurement. If the cancellation is successful, the PeopleSoft EnterpriseOne system returns a confirmation to the PeopleSoft Enterprise system.

Line cancellations can occur only before you send the purchase order to the PeopleSoft EnterpriseOne system or after the purchase order has been dispatched.

You can delete purchase orders only before they are sent to the PeopleSoft EnterpriseOne system.

If you need to delete or cancel a line after the order has been sent to the PeopleSoft EnterpriseOne system but before the purchase order has been dispatched, create a new purchase order by copying the original purchase order and deleting the unwanted line. Then, cancel the entire original purchase order.

Understanding Purchase Order Hold Releases in the PeopleSoft EnterpriseOne System

Purchase orders are placed on hold in both the PeopleSoft EnterpriseOne system and the PeopleSoft Enterprise system if they do not pass budget-checking in the PeopleSoft EnterpriseOne system. You must release this hold in the PeopleSoft EnterpriseOne system. You use the Release Held Orders program (P43070) in the PeopleSoft EnterpriseOne system to release the hold.

When you release the hold on an integrated purchase order, the PeopleSoft EnterpriseOne system triggers a realtime event to the Integration Server, which in turn sends a status change to the PeopleSoft Enterprise system to release the hold on the PeopleSoft Enterprise purchase order.

See Also

PeopleSoft EnterpriseOne Procurement 8.11 SPI PeopleBook, “Working with Purchase Orders,” Releasing Order Holds

Understanding Purchase Order Dispatching in the PeopleSoft Enterprise System

If you elect to dispatch purchase orders in PeopleSoft Enterprise eProcurement, the process is called Dynamic Dispatching.

Dynamic Dispatching runs as a background process. The advantage of dynamic dispatching, however, is that it leverages a common set of logic to dispatch purchase orders. This enables you to quickly adjust to meet different online XML marketing standards that might be implemented by a supplier. For example, if the supplier changes from using xCBL to using EDX, the user also can dispatch the purchase order using the POPO005 SQR process for a non-EDX dispatch method.

You can dispatch a PO as an XML document in a PeopleSoft-defined format. If the structure of that format is not compatible with the structure of the XML document required to integrate with a marketplace supplier (xCBL) or other third-party systems, then PeopleSoft Integration Broker can transform the structure. Using different connectors and a framework for transforming an XML message to another XML message, the broker makes it possible to develop a uniform and consistent interface for integration with a marketplace or third-party supplier.

You dispatch a purchase order in the PeopleSoft Enterprise system by sending the purchase order to the supplier. When you dispatch a purchase order in the PeopleSoft Enterprise system, the PeopleSoft Enterprise system sends a status update to the PeopleSoft EnterpriseOne system using the status code from the Next Status Code integration option on the E_PODispatch_To_E1_POStatus flow. The status code that you specify in the integration option must match the dispatch status for the line type and document type that are set up in the Order Activity Rules program (P40204).

Note. Dispatching should always be done in the same system. Once you decide to use the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system, it is recommended to always use the same system to perform the dispatch process.

Understanding Purchase Order Dispatching in the PeopleSoft EnterpriseOne System

You dispatch purchase orders in the PeopleSoft EnterpriseOne system by printing the purchase orders and sending them to the suppliers. You use the Print Purchase Orders program (R43500) to print purchase orders in the PeopleSoft EnterpriseOne system.

When you print a purchase order in the PeopleSoft EnterpriseOne system, the PeopleSoft EnterpriseOne system triggers a realtime event that generates the notifyPurchaseOrderEventPublishedDocument. The Integration Server receives the PID and sends a status update to the PeopleSoft Enterprise system.

For the integration with the PeopleSoft Enterprise system, you must complete the Next Status Code Override processing option on the Print Purchase Orders program.

See Also

PeopleSoft EnterpriseOne Procurement 8.11 SP1 PeopleBook, “Working with Purchase Orders,” Printing Orders by Batch

PeopleSoft EnterpriseOne Procurement 8.11 SP1 PeopleBook, “Working with Purchase Orders,” Printing Orders Individually

Understanding Purchase Order Receipt Creation in the PeopleSoft Enterprise System

When you enter a receipt for an integrated purchase order in PeopleSoft Enterprise eProcurement, the system sends a realtime outbound receipt message (SAC_RECPT_OUT) to the PeopleSoft EnterpriseOne system. This message creates a receiver record in the PeopleSoft EnterpriseOne system and updates the existing purchase order using the appropriate status codes from the order activity rules.

Note. PeopleSoft Enterprise requisitions are limited to one schedule and one distribution per line. Also, PeopleSoft Enterprise requisition consolidation is not supported.

Any errors encountered during the creation of the receipt and update of the purchase order in the PeopleSoft EnterpriseOne system are returned to PeopleSoft Enterprise eProcurement. If the creation and update are successful, the PeopleSoft EnterpriseOne system returns a confirmation to the PeopleSoft Enterprise system.

Note. A purchase order should be received entirely in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Do not partially receive a purchase order in one system and then receive the remaining portion in the other system.

You can receive the full quantity, receive a partial quantity and leave the rest open, or receive a partial quantity and close the remaining amount. However, if you receive a partial quantity and close the remaining amount by changing the purchase order line to the received quantity or amount, the purchase order line in PeopleSoft EnterpriseOne Procurement is not closed. To receive a partial quantity and close the remaining amount, change the purchase order first, and then receive it fully. Also, if you are not sure whether you will close the remaining amount, change the purchase order line quantity or amount before receiving. Then, add a new line to the purchase order in order to receive the remaining partial quantity or amount.

Note. The integration from EnterpriseOne to Enterprise is for noninventory items only. It is recommended that users receive goods through the PeopleSoft eProcurement desktop receiving and all eProcurement receivers should be casual receivers so that inventory items can't be received in Enterprise.

You cannot add a new line to the purchase order during receiving. If you need to add a new line to a purchase order, use the PO Change Order process.

Understanding Purchase Order Receipt Creation in the PeopleSoft EnterpriseOne System

When you enter a receipt for an integrated purchase order in PeopleSoft EnterpriseOne Procurement, the PeopleSoft EnterpriseOne system triggers a realtime event to the Integration Server, which in turn sends a message to the PeopleSoft Enterprise system to create a corresponding receipt in the PeopleSoft Enterprise system.

You must set up corresponding receipt tolerance in both the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system and you must set the Tolerance Quantity and Amount processing option on the Receive by P.O. program (P4312) to display an error message. If you set this processing option so that tolerance is not checked or so that a warning is issued, and a receipt exceeds the tolerance limits, the receipt will be created in the PeopleSoft EnterpriseOne system, but will not be created in the PeopleSoft Enterprise system because the PeopleSoft Enterprise system does not allow creation of receipts that exceed tolerance limits.

Note. The PeopleSoft Enterprise system has tolerance checking for quantity only, not for amount.

The PeopleSoft Enterprise system creates a separate receipt for each purchase order line that you receive in the PeopleSoft EnterpriseOne system.

Note. A purchase order should be received entirely in either the PeopleSoft Enterprise system or the PeopleSoft EnterpriseOne system. Do not partially receive a purchase order in one system and then receive the remaining portion in the other system.

When you create a receipt in the PeopleSoft EnterpriseOne system, the system sends the RTRECOU real-time event before committing the receipt record to the PeopleSoft EnterpriseOne database. If a system failure occurs between the time that the real-time event is sent and the receipt record is committed to the database, the receipt may be created in the PeopleSoft Enterprise system and not in the PeopleSoft EnterpriseOne system. If this happens, you should cancel the receipt in the PeopleSoft Enterprise system and then recreate it in the PeopleSoft EnterpriseOne system.

You need to assign the component interface of SAC_PO_RECV_CI to a permission list that the user running the application server is associated with. This enables the user to load receipts created in the PeopleSoft EnterpriseOne system into PeopleSoft Enterprise eProcurement.

Understanding Purchase Order Closes in the PeopleSoft EnterpriseOne System

All voucher creation must take place in the PeopleSoft EnterpriseOne system. To update detail lines to a closed status in the PeopleSoft EnterpriseOne system, use the Voucher Match program (P4314) to match vouchers two or three ways, which will close the line on the order. This moves the status of the line on the order to 999 (Complete - Ready to Purge).

When you create a voucher for a two-way match to a purchase order in the PeopleSoft EnterpriseOne system, or when you fully receive a purchase order for a three-way match to a purchase order, the PeopleSoft EnterpriseOne system triggers a real-time event to the Integration Server, which in turn sends a status update to the PeopleSoft Enterprise system to close the corresponding PeopleSoft Enterprise purchase order.

PART 9

Integrating PeopleSoft Enterprise Learning Management with the PeopleSoft EnterpriseOne System

Chapter 34

Understanding the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

Chapter 35

Setting Up the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

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Setting Up Prerequisite Data for the Learning Management Integration

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Using the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

CHAPTER 34

Understanding the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

This chapter provides overview of the:

- Release levels.
- Business process.
- Integration architecture.
- Integration points.
- Assumptions and setup considerations.

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 and PeopleSoft Enterprise 8.8 Learning Management.

Business Process

With the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne integration, you can use the leading-edge PeopleSoft Enterprise Learning Management system in conjunction with PeopleSoft EnterpriseOne Financials and HCM.

The PeopleSoft EnterpriseOne system is used to manage employee and financial data. The PeopleSoft Enterprise system is used to manage training and curriculum data.

The major tasks involved in the integration of PeopleSoft Enterprise Learning Management with the PeopleSoft EnterpriseOne system are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft EnterpriseOne master data into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in PeopleSoft EnterpriseOne master data with the PeopleSoft Enterprise system.

- Sending PeopleSoft Enterprise objectives to PeopleSoft EnterpriseOne competencies.
- Sending journal entries for objectives met or departmental chargebacks from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.

Integration Architecture

This section discusses the integration architecture for the:

- Objectives to competencies process.
- Journal entry process.

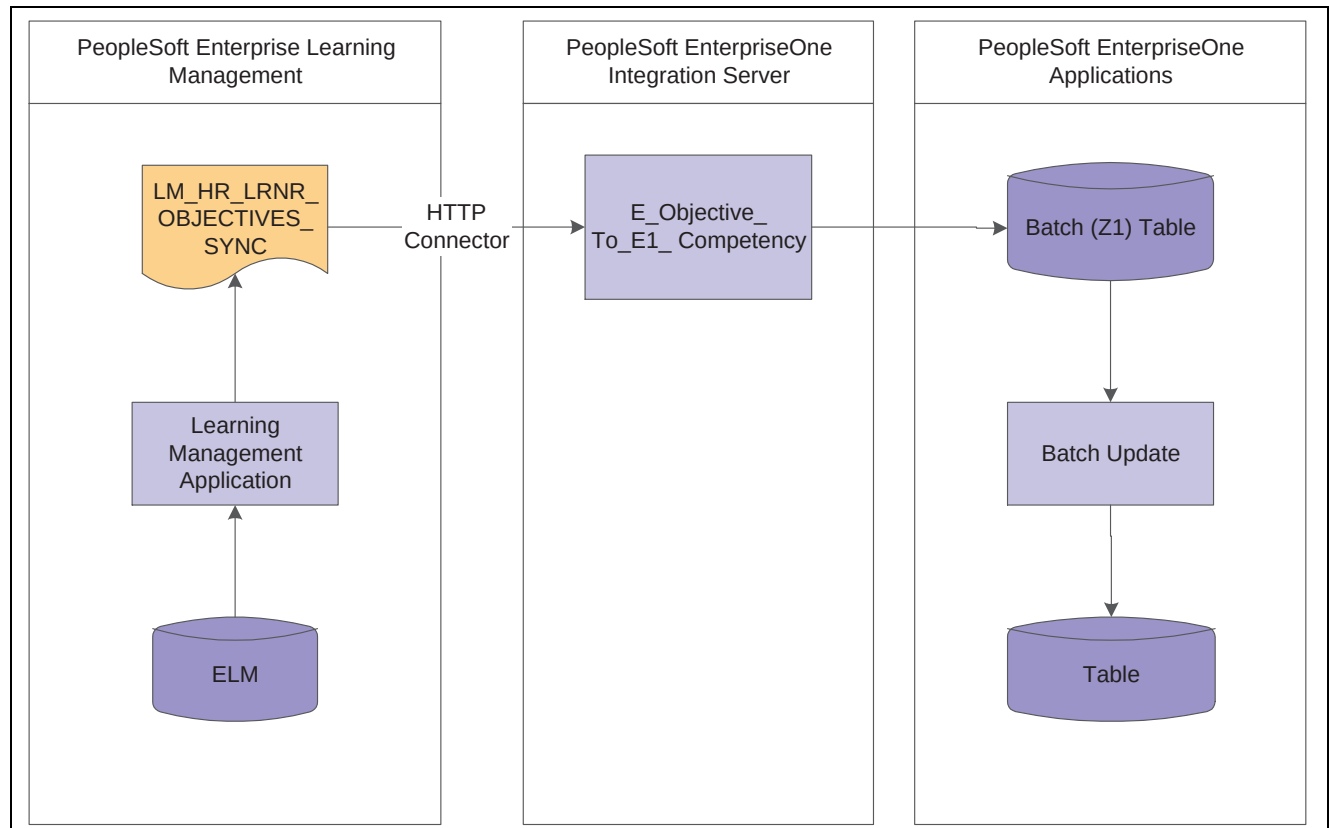
See Also

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Batch Loads, page 8

Chapter 2, “Understanding PeopleSoft EnterpriseOne Application Integrations with PeopleSoft Enterprise Applications,” Incremental Synchronizations, page 9

Integration Architecture for the Objectives to Competencies Process

This diagram illustrates the objectives to competencies process:



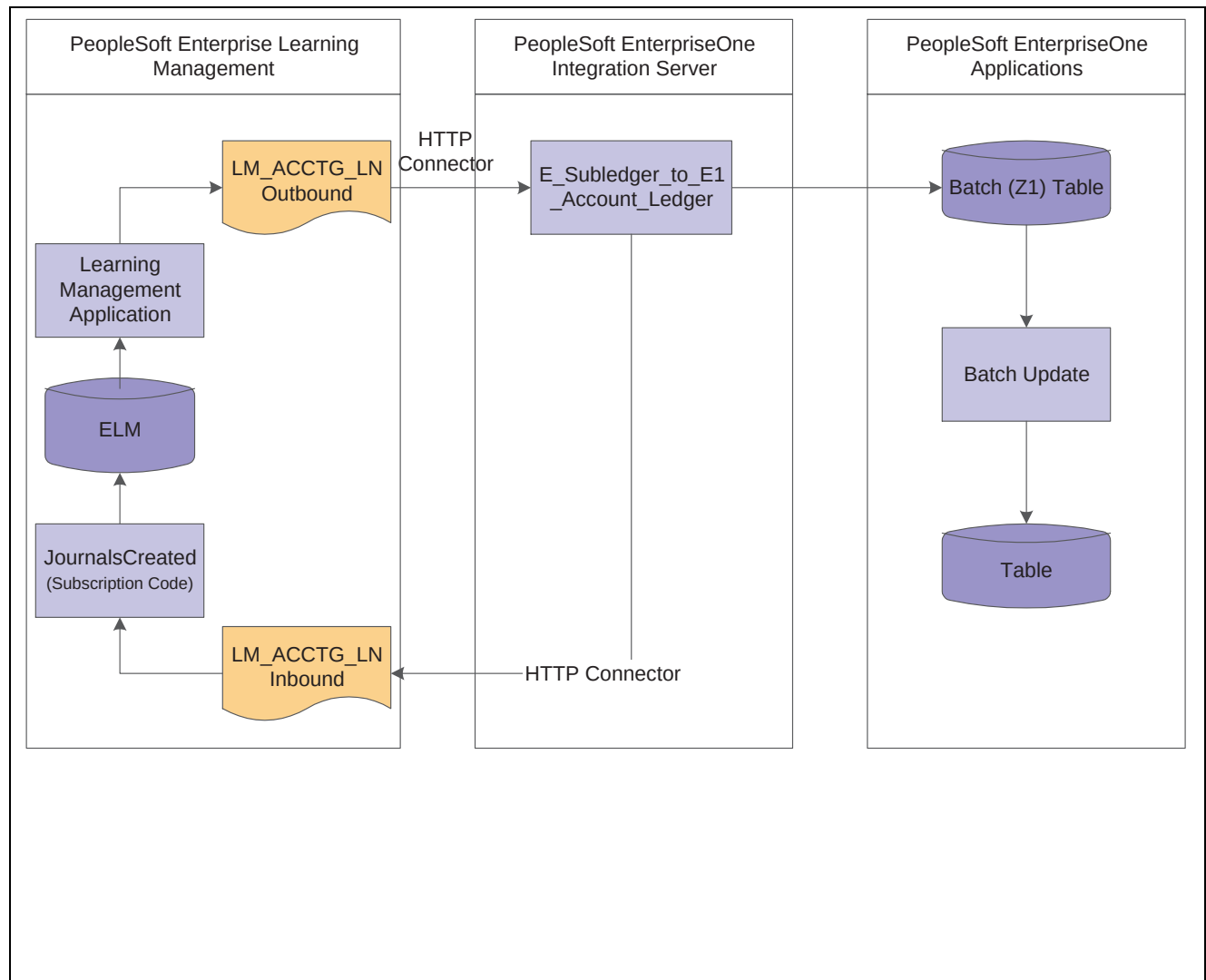
Objectives to Competencies Process

Sending PeopleSoft Enterprise objectives to PeopleSoft EnterpriseOne competencies consists of these major steps:

1. A PeopleSoft Enterprise Learning Management user makes a change in objectives data.
2. At the time of the change, the PeopleSoft Enterprise Learning Management system creates the LM_HR_LRNR_OBJECTIVES_SYNC message.
3. The Integration Server is listening for the EIP message, and triggers the E_Objective_To_E1_Competency integration flow, which converts the LM_HR_LRNR_OBJECTIVES_SYNC message and inserts the data in the Resource Competencies Unedited Transactions File table (F05100Z1).
4. A PeopleSoft EnterpriseOne user runs the Inbound Resource Competency Transaction program (R05100Z1) to validate the data and update the Resource Competencies table (F05100).
5. A PeopleSoft EnterpriseOne user uses the Manage Resource Competencies program (P05100Z) to review any data that was not validated by the Inbound Resource Competency Transaction program.

Integration Architecture for the Chargeback Process

This diagram illustrates the process of sending journal entries from PeopleSoft Enterprise Learning Management to the PeopleSoft EnterpriseOne system:



Chargeback process

Sending journal entries from PeopleSoft Enterprise Learning Management to the PeopleSoft EnterpriseOne system consists of these major steps:

1. The PeopleSoft Enterprise user publishes the LM_ACCTG_LN Outbound XML message with the Learning Management information to create PeopleSoft EnterpriseOne journal entries.
2. The Integration Server is listening for the EIP message, and triggers the E_Subledger_to_E1_Account_Ledger integration flow, which transforms the message data and inserts the data in the Journal Entry Batch table (F0911Z1).
3. The Integration Server determines whether the insert was successful and posts LM_ACCTG_LN Inbound reply message to the PeopleSoft Enterprise system.
4. The PeopleSoft Enterprise system receives the reply message.
5. A PeopleSoft EnterpriseOne user runs the Journal Entries Batch Processor program (R09110Z) to validate the data and update the Account Ledger table (F0911).
6. A PeopleSoft EnterpriseOne user runs the G/L Post program (R09801) to post the F0911 records to the F0902 table.

Integration Points

This chapter lists integration points for:

- Initial batch loads
- Incremental synchronizations
- Transactions

Integration Points for Initial Batch Loads

This table lists the integration points used by the Learning Management integration for the initial batch loads of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
ACCOUNT_ CHARTFIELD_ FULLSYNC	E1_Accounts_To_E_Chartfields: convert_E1_Accounts_To_E_ Chartfields	Account Master Batch Load (R8909F0901)	This integration point retrieves PeopleSoft EnterpriseOne account data from a flat file and converts it to PeopleSoft Enterprise Learning Management ChartFields.
PERSON_BASIC_ FULLSYNC	E1_Address_Book_To_E_Person: convert_E1_Address_Book_To_E_ Person	Address Book Master Batch Load (R8901F0101)	This integration point retrieves PeopleSoft EnterpriseOne employee data from a flat file and converts it to PeopleSoft Enterprise Learning Management person data. This integration point loads the person data into staging tables in the PeopleSoft Enterprise Learning Management system. To transfer this data from the staging tables to the live person tables, you must run the Load Person/Workforce Tables process.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
LM_DEPT_FULLSYNC	E1_Business_Unit_To_E_Department: convert_E1_Business_Unit_To_E_Department	Business Unit Batch Load (R8900F0006)	This integration point retrieves PeopleSoft EnterpriseOne business unit data from a flat file and converts it to PeopleSoft Enterprise Learning Management department data. This integration point loads the department data into staging tables in the PeopleSoft Enterprise Learning Management system. To transfer this data from the staging tables to the live department tables, you must run the Load Department Tables process.
ROLE_COMP_FULLSYNC	E1_Comp_Job_desc_To_E_Role_Comp: convert_E1_Comp_Job_Desc_To_E_Role_Comp	Batch Load Outbound Job Descriptions (R89F080601)	This integration point retrieves PeopleSoft EnterpriseOne role competencies data from a flat file and converts it to PeopleSoft Enterprise Learning Management person data.
BUS_UNIT_HR_FULLSYNC	E1_Company_To_E_HR_Business_Unit: convert_E1_Company_To_E_HR_Business_Unit	Company Manage Notify Initial Load (R0010IL)	This integration point retrieves PeopleSoft EnterpriseOne company data from a flat file and converts it to PeopleSoft Enterprise Learning Management HR business unit data.
BUS_UNIT_GL_FULLSYNC	E1_Company_To_E_GL_Business_Unit: convert_E1_Company_To_E_GL_Business_Unit	Company Manage Notify Initial Load (R0010IL)	This integration point retrieves PeopleSoft EnterpriseOne company data from a flat file and converts it to PeopleSoft Enterprise Learning Management GL business unit data.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
CURR_QUOTE_MTHD_FULLSYNC	E1_Currency_Rates_To_E_Currency_Quote_Method: convert_E1_Currency_Rates_To_E_Currency_Quote_Method	Currency Exchange Batch Upload (R8900F0015)	This integration point retrieves PeopleSoft EnterpriseOne currency exchange rates data from a flat file and converts it to PeopleSoft Enterprise Learning Management currency quote method data.
MARKET_RATE_DEFN_FULLSYNC	E1_Currency_Rates_To_E_Market_Rate_Definition: convert_E1_Currency_Rates_To_E_Market_Rate_Definition	Currency Exchange Batch Upload (R8900F0015)	This integration point retrieves PeopleSoft EnterpriseOne currency rate data from a flat file and converts it to PeopleSoft Enterprise Learning Management market rate data.
MARKET_RATE_FULLSYNC	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	Currency Exchange Batch Upload (R8900F0015)	This integration point retrieves PeopleSoft EnterpriseOne currency rate data from a flat file and converts it to PeopleSoft Enterprise Learning Management market rate data.
WORKFORCE_FULLSYNC	E1_Employee_Master_To_E_Workforce: convert_E1_Employee_Master_To_E_Workforce	Employee Master Batch Load (R89F060116)	This integration point retrieves PeopleSoft EnterpriseOne employee data from a flat file and converts it to PeopleSoft Enterprise Learning Management workforce data. This integration point loads the workforce data into staging tables in the PeopleSoft Enterprise Learning Management system. To transfer this data from the staging tables to the live workforce tables, you must run the Load Person/Workforce Tables process.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
JOURNAL_GEN_ APPL_ID_FULLSYNC	E1_Hardcodes_To_E_Journal_ Generator: convert_E1_Hardcodes_To_E_ Journal_Generator	None	This integration point loads hard-coded data to the PeopleSoft Enterprise Learning Management Journal Generator.
MARKET_RATE_INDE X_FULLSYNC	E1_Hardcodes_To_E_Market_Rate_ Index: convert_E1_Hardcodes_To_E_ Market_Rate_Index	None	This integration point loads hard-coded data to the PeopleSoft Enterprise Learning Management Market Rate Index.
POSITION_FULLSYNC	E1_Job_In_BU_To_E_Position: convert_E1_Job_In_BU_To_E_ Position	Batch Load Outbound Jobs Within Business Units (R890800601)	This integration point retrieves PeopleSoft EnterpriseOne job in business unit data from a flat file and converts it to PeopleSoft Enterprise Learning Management position data.
PERSON_ COMPETENCY_ FULLSYNC	E1_Resource_Comp_To_E_Person_ Comp: convert_E1_Resource_Comp_To_E_ Person_Comp	Resource Competencies Batch Load (R89F05100)	This integration point retrieves PeopleSoft EnterpriseOne competency data from a flat file and converts it to PeopleSoft Enterprise Learning Management person competency data.
RATING_MODEL_ FULLSYNC	E1_Scale_To_E_Rating_Models: convert_E1_Scale_To_E_Rating_ Models	Scale Batch Load (R89F05103)	This integration point retrieves PeopleSoft EnterpriseOne scale data from a flat file and converts it to PeopleSoft Enterprise Learning Management rating model data.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
COMPETENCY_ FULLSYNC1	E1_To_E_Competency: convert_E1_To_E_Competency	Competencies Batch Load (R89F05104)	This integration point retrieves PeopleSoft EnterpriseOne competency data from a flat file and converts it to PeopleSoft Enterprise Learning Management competency data. Before running this integration point, the user should set up objectives in the PeopleSoft Enterprise Learning Management system. See PeopleSoft Enterprise Learning Management 8.81 PeopleBook, “Setting Up Objectives.”
JOBCODE_FULLSYNC	E1_Jobcode_To_E_ELMJobcode: convert_E1_Jobcodes_To_E_ELMJobcodes	Job Information Batch Load (R89F08001)	This integration point retrieves PeopleSoft EnterpriseOne job code data from a flat file and converts it to PeopleSoft Enterprise job code data.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
MARKET_RATE_TYPE_FULLSYNC	E1_To_E_Market_Rate_Type: convert_E1_To_E_Market_Rate_Type	User Defined Codes (F0005)	This integration point retrieves the values for user-defined code (UDC) 11/RT (Multicurrency Rate Type) from the PeopleSoft EnterpriseOne system and converts them to PeopleSoft Enterprise Learning Management market rate types.
LM_USER_PROFILE	E1_User_Preference_to_E_LM_User_Profile: convert_E1_User_Preference_To_E_User_Profile	User Profile Batch Load (R89F0092B)	This integration point retrieves PeopleSoft EnterpriseOne user preference data from a flat file and converts it to PeopleSoft Enterprise Learning Management user profile data. Before running this integration, the user should set up PeopleSoft Enterprise Learning Management roles in the PeopleSoft EnterpriseOne system.

Important! The integration points in this table are listed alphabetically by Integration Flow name. Do not run the initial batch load integrations in this order. The proper order for running the batch load integrations is listed later in this guide.

See [Chapter 36, “Setting Up Prerequisite Data for the Learning Management Integration,” Loading Master Data for the Learning Management Integration, page 372.](#)

Integration Points for Incremental Synchronizations

This table lists the integration points used by the Learning Management integration for the incremental synchronization of data from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
ACCOUNT_CHARTFIELD_SYNC	E1_Accounts_To_E_Chartfields: convert_E1_Accounts_To_E_Chartfields	RTAMOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne account data to PeopleSoft Enterprise Learning Management ChartFields.
LM_USER_PROFILE	E1_Address_Book_To_E_LM_User_Profile: convert_E1_Address_Book_To_E_LM_User_Profile	RTABOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne address book and user preference data to PeopleSoft Enterprise Learning Management user profiles.
PERSON_BASIC_SYNC	E1_Address_Book_To_E_Person: convert_E1_Address_Book_To_E_Person_Sync	RTPIOUT and RTABOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne employee data to PeopleSoft Enterprise Learning Management person data.
LM_DEPT_SYNC	E1_Business_Unit_To_E_Department: convert_E1_Business_Unit_To_E_Department	RTBUOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne business unit data to PeopleSoft Enterprise Learning Management department data.
ROLE_COMP_SYNC	E1_Comp_Job_desc_To_E_Role_Comp: convert_E1_Comp_Job_Desc_To_E_Role_Comp	RTJDOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne role competencies data to PeopleSoft Enterprise Learning Management person data.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
BUS_UNIT_HR_SYNC	E1_Company_To_E_HR_Business_Unit: convert_E1_Company_To_E_HR_Business_Unit	RTCOOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne company data to PeopleSoft Enterprise Learning Management HR business unit data.
BUS_UNIT_GL_SYNC	E1_Company_To_E_GL_Business_Unit: convert_E1_Company_To_E_GL_Business_Unit	RTCOOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne company data to PeopleSoft Enterprise Learning Management GL business unit data.
CURR_QUOTE_MTHD_SYNC	E1_Currency_Rates_To_E_Currency_Quote_Method: convert_E1_Currency_Rates_To_E_Currency_Quote_Method	RTCROUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne currency exchange rates data to PeopleSoft Enterprise Learning Management currency quote method data.
MARKET_RATE_DEFN_SYNC	E1_Currency_Rates_To_E_Market_Rate_Definition: convert_E1_Currency_Rates_To_E_Market_Rate_Definition_Sync	RTCROUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne currency rate data to PeopleSoft Enterprise Learning Management market rate data.
MARKET_RATE_SYNC	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	RTCROUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne currency rate data to PeopleSoft Enterprise Learning Management market rate data.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
WORKFORCE_SYNC	E1_Employee_Master_To_E_Workforce: convert_E1_Employee_Master_To_E_Workforce	RTEMOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne employee data to PeopleSoft Enterprise Learning Management workforce data.
POSITION_SYNC	E1_Job_In_BU_To_E_Position: convert_E1_Job_In_BU_To_E_Position	RTJBUOUTB	This integration point sends incremental changes in PeopleSoft EnterpriseOne job in business unit data to PeopleSoft Enterprise Learning Management position data.
PERSON_COMPETENCY_SYNC	E1_Resource_Comp_To_E_Person_Comp: convert_E1_Resource_Comp_To_E_Person_Comp	RTRCOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne competency data to PeopleSoft Enterprise Learning Management person competency data.
RATING_MODEL_SYNC	E1_Scale_To_E_Rating_Models: convert_E1_Scale_To_E_Rating_Models	RTSLOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne scale data to PeopleSoft Enterprise Learning Management rating model data.
COMPETENCY_SYNC1	E1_To_E_Competency: convert_E1_To_E_Competency	RTCPOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne competency data to PeopleSoft Enterprise Learning Management competency data.

PeopleSoft Enterprise Message Name	Integration	PeopleSoft EnterpriseOne Object/Event	Description
JOBCODE_SYNC	E1_To_E_Jobcode: convert_E1_To_E_Jobcode	RTJBOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne job code data to PeopleSoft Enterprise job code data.
LM_USER_PROFILE	E1_User_Preference_To_E_LM_User_Profile: convert_E1_User_Preference_To_E_LM_User_Profilee	RTUPOUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne user preference data to PeopleSoft Enterprise Learning Management user profile data.

Integration Points for Transactions

This table lists the integration points used by the Learning Management integration for the transfer of transactional data between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
LM_HR_LRNR_OBJECTIVES_SYNC	E_Objective_To_E1_Competency: insert_E_Objective_To_E1_Competency	Resource Competencies Unedited Transactions File (F05100Z1)	This integration sends PeopleSoft Enterprise Learning Management objectives data to PeopleSoft EnterpriseOne competency data. This integration loads the competency data into a staging table in the PeopleSoft EnterpriseOne system. To transfer this data from the staging table to the live competencies table, you must run the Inbound Resource Competency Transaction program (R05100Z1).

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
LM_ACCTG_LN	E_Subledger_to_E1_Account_Ledger: insert_E_Subledger_to_E1_Account_Ledger	Journal Entry Transactions – Batch File (F0911Z1)	This integration sends General Ledger journal entries for PeopleSoft Enterprise Learning Management transactions to the PeopleSoft EnterpriseOne system. This integration loads the journal entries data into a staging table in the PeopleSoft EnterpriseOne system. To transfer this data from the staging table to the live account table, you must run the Journal Entries Batch Processor program (R09110Z).
LM_ACCTG_LN	E_Subledger_to_E1_Account_Ledger: insert_E_Subledger_to_E1_Account_Ledger	None	This integration sends a response message from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management to indicate whether the insert into the account staging table was successful.

Assumptions and Setup Considerations

The PeopleSoft Enterprise Learning Management to PeopleSoft EnterpriseOne integration functions based on these assumptions:

- PeopleSoft Enterprise Learning Management departments are equivalent to PeopleSoft EnterpriseOne business units.
- The positions that are sent to PeopleSoft Enterprise Learning Management are the jobs within business units that are set up in PeopleSoft EnterpriseOne Job Competencies, not positions from PeopleSoft EnterpriseOne Position Control.
- On the PeopleSoft EnterpriseOne web server, you must set the directive “triggerAutoFetch” in the jdbj.ini file to be activated (uncommented) and set equal to true in order for the delete action in the Competency Information program (P05104) to generate a realtime event.
- In order for realtime events to create XML tags for fields with a value of 0, you must set the XMLElementSkipNullOrZero line to 0 in the INTEROPERABILITY section of the jde.ini file on the PeopleSoft EnterpriseOne server, for example:

[INTEROPERABILITY]

XMLElementSkipNullOrZero=0

- If you change organizational structures in the PeopleSoft EnterpriseOne system after the initial load of data to PeopleSoft Enterprise Learning Management has been completed, you must rerun the PeopleSoft EnterpriseOne Job in Business Unit to PeopleSoft Enterprise Positions, PeopleSoft EnterpriseOne Employee Master to PeopleSoft Enterprise Workforce, and PeopleSoft EnterpriseOne to PeopleSoft Enterprise Competency initial loads.

See *PeopleSoft EnterpriseOne Human Resources 8.11 SPI PeopleBook*, “Defining Organizational Structures for Job Competencies”.

CHAPTER 35

Setting Up the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

This chapter discusses how to:

- Set up the Learning Management integration in the PeopleSoft Enterprise database.
- Set up the Learning Management integration in the Integration Server.

Setting Up the Learning Management Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discusses how to:

- Activate message channels for the Learning Management integration.
- Activate messages for the Learning Management integration.
- Set up integration transactions for the Learning Management integration.
- Add channels to permissions for the Learning Management integration.
- Activate message subscriptions for the Learning Management integration.
- Set up message transformations for the Learning Management integration.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise Learning Management database:

- Set up the local gateway in the PeopleSoft Enterprise Learning Management database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 message node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node and the PSFT_LM node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Pages Used to Set Up Message Transformations

Access these pages in the PeopleSoft Enterprise HRMS database.

Page Name	Object Name	Navigation	Usage
Relationships	IB_RELATIONSHIP	PeopleTools, Integration Broker, Integration Setup, Relationships	Define relationships in order to transform messages that are coming into PeopleSoft Enterprise from PeopleSoft EnterpriseOne or that are going from PeopleSoft Enterprise into PeopleSoft EnterpriseOne.
Relationship Transactions	IB_RELATIONSHIP	Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier.	Specify the request messages and versions, as well as other information, that is used in the transformation of messages.
Transaction Modifiers	IB_RELATIONSHIP	Click Add on the Relationship Transactions page.	Specify a transformation request that performs the transformation.

Activating Message Channels for the Learning Management Integration

Verify that these message channels have a message channel status of *Run*:

- ENTERPRISE_SETUP
- GL_SETUP
- JOURNAL_GENERATOR
- LM_ACCTG_ENTRY
- MARKET_RATES
- PERSON_DATA
- PERSON_SETUP
- RATING_MODEL
- USER_PROFILE

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the Learning Management Integration

Verify that these messages are active:

- ACCOUNT_CHARTFIELD_FULLSYNC
- ACCOUNT_CHARTFIELD_SYNC
- BUS_UNIT_GL_FULLSYNC
- BUS_UNIT_GL_SYNC
- BUS_UNIT_HR_FULLSYNC

- BUS_UNIT_HR_SYNC
- COMPETENCY_FULLSYNC1
- COMPETENCY_SYNC1
- CURR_QUOTE_MTHD_FULLSYNC
- CURR_QUOTE_MTHD_SYNC
- JOBCODE_FULLSYNC
- JOBCODE_SYNC
- JOURNAL_GEN_APPL_ID_FULLSYNC
- LM_ACCTG_LN
- LM_DEPT_FULLSYNC
- LM_DEPT_SYNC
- LM_USER_PROFILE
- MARKET_RATE_DEFN_FULLSYNC
- MARKET_RATE_DEFN_SYNC
- MARKET_RATE_FULLSYNC
- MARKET_RATE_INDEX_FULLSYNC
- MARKET_RATE_SYNC
- MARKET_RATE_TYPE_FULLSYNC
- PERSON_BASIC_FULLSYNC
- PERSON_COMPETENCY_FULLSYNC
- PERSON_COMPETENCY_SYNC
- POSITION_FULLSYNC
- POSITION_SYNC
- RATING_MODEL_FULLSYNC
- RATING_MODEL_SYNC
- ROLE_COMP_FULLSYNC
- ROLE_COMP_SYNC
- USER_PROFILE
- WORKFORCE_FULLSYNC
- WORKFORCE_SYNC

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Setting Up Integration Transactions for the Learning Management Integration

You must activate the PSFT_E1 node and these associated transactions:

Transaction Name	Version	Transaction Type	Routing Type
ACCOUNT_CHARTFIELD_FULLSYNC	VERSION_1	InAsync	NA
ACCOUNT_CHARTFIELD_SYNC	VERSION_1	InAsync	NA
BUS_UNIT_GL_FULLSYNC	VERSION_1	InAsync	NA
BUS_UNIT_GL_SYNC	VERSION_1	InAsync	NA
BUS_UNIT_HR_FULLSYNC	VERSION_1	InAsync	NA
BUS_UNIT_HR_SYNC	VERSION_1	InAsync	NA
COMPETENCY_FULLSYNC1	VERSION_1	InAsync	NA
COMPETENCY_SYNC1	VERSION_1	InAsync	NA
COUNTRY_FULLSYNC	VERSION_1	InAsync	NA
COUNTRY_SYNC	VERSION_1	InAsync	NA
CURRENCY_FULLSYNC	VERSION_1	InAsync	NA
CURRENCY_SYNC	VERSION_1	InAsync	NA
CURR_QUOTE_MTHD_FULLSYNC	VERSION_1	InAsync	NA
CURR_QUOTE_MTHD_SYNC	VERSION_1	InAsync	NA
JOBCODE_FULLSYNC	VERSION_1	InAsync	NA
JOBCODE_SYNC	VERSION_1	InAsync	NA
JOURNAL_GENERATOR_APPL_ID_SYNC	VERSION_1	InAsync	NA
JOURNAL_GEN_APPL_ID_FULLSYNC	VERSION_1	InAsync	NA
LM_ACCTG_LN	VERSION_1	InAsync	NA
LM_DEPT_FULLSYNC	VERSION_1	InAsync	NA
LM_DEPT_SYNC	VERSION_1	InAsync	NA
LM_USER_PROFILE	VERSION_84	InAsync	NA
MARKET_RATE_DEFN_FULLSYNC	VERSION_1	InAsync	NA
MARKET_RATE_DEFN_SYNC	VERSION_1	InAsync	NA
MARKET_RATE_FULLSYNC	VERSION_1	InAsync	NA
MARKET_RATE_INDEX_FULLSYNC	VERSION_1	InAsync	NA

Transaction Name	Version	Transaction Type	Routing Type
MARKET_RATE_INDEX_SYNC	VERSION_1	InAsync	NA
MARKET_RATE_LOAD	VERSION_1	InAsync	NA
MARKET_RATE_SYNC	VERSION_1	InAsync	NA
MARKET_RATE_TYPE_FULLSYNC	VERSION_1	InAsync	NA
MARKET_RATE_TYPE_SYNC	VERSION_1	InAsync	NA
PERSON_BASIC_FULLSYNC	VERSION_2	InAsync	NA
PERSON_BASIC_SYNC	VERSION_2	InAsync	NA
PERSON_COMPETENCY_FULLSYNC	VERSION_1	InAsync	NA
PERSON_COMPETENCY_SYNC	VERSION_2	InAsync	NA
POSITION_FULLSYNC	VERSION_1	InAsync	NA
POSITION_SYNC	VERSION_1	InAsync	NA
RATING_MODEL_FULLSYNC	VERSION_1	InAsync	NA
RATING_MODEL_SYNC	VERSION_1	InAsync	NA
ROLE_COMP_FULLSYNC	VERSION_1	InAsync	NA
ROLE_COMP_SYNC	VERSION_1	InAsync	NA
STATE_FULLSYNC	VERSION_1	InAsync	NA
STATE_SYNC	VERSION_1	InAsync	NA
USER_PROFILE	VERSION_84	InAsync	NA
WORKFORCE_FULLSYNC	VERSION_1	InAsync	NA
WORKFORCE_SYNC	VERSION_1	InAsync	NA
LM_ACCTNG_LN	VERSION_1	OutAsync	Implicit
LM_HR_LRN_OBJECTIVES_SYNC	VERSION_1	OutAsync	Implicit

You must activate the PSFT_LM node and this associated transaction:

Transaction Name	Version	Transaction Type	Routing Type
USER_PROFILE	VERSION_84	OutAsync	Implicit

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Adding Channels to Permissions for the Learning Management Integration

To integrate PeopleSoft Enterprise Learning Management with the PeopleSoft EnterpriseOne system, you must add these channels to the ALLPAGES permission list:

- MARKET_RATES
- USER_PROFILE

Set the access for these channels to *Full*.

After you add these channels to the ALLPAGES permission list, access the Channel Status page to verify that the status of the channels is *Running*.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Adding Channels to Permissions, page 17.](#)

Activating Message Subscriptions for the Learning Management Integration

Verify that these message subscriptions are active:

Message Name	Subscription Name
ACCOUNT_CHARTFIELD_FULLSYNC	LmAccount
ACCOUNT_SYNC	LmAccount
BUS_UNIT_GL_FULLSYNC	LmBusUnitGLFullSync
BUS_UNIT_GL_SYNC	LmBusUnitGL
BUS_UNIT_HR_FULLSYNC	LmBusUnitHRFullSync
BUS_UNIT_HR_SYNC	LmBusUnitHR
COMPETENCY_FULLSYNC1	HRCompetencyTable
COMPETENCY_SYNC1	HRCompetencyTable
CURR_QUOTE_MTHD_FULLSYNC	CurrQuoteMthdFullSync
CURR_QUOTE_MTHD_SYNC	CurrQuoteMthdSync
JOB_CODE_FULLSYNC	LmJobCodeSync

Message Name	Subscription Name
JOBCODE_SYNC	LmJobCodeSync
JOURNAL_GEN_APPL_ID_FULLSYNC	JournalGenApplIDFullSync
LM_ACCTG_LN	JournalsCreated
LM_DEPT_FULLSYNC	LM_DepartmentSync
LM_DEPT_SYNC	LM_DepartmentSync
LM_USER_PROFILE	LmPersonOprid
MARKET_RATE_DEFN_FULLSYNC	MarketRateDefnFullSync
MARKET_RATE_DEFN_SYNC	MarketRateDefnSync
MARKET_RATE_FULLSYNC	MarketRateFullSync
MARKET_RATE_INDEX_FULLSYNC	MarketRateIndexFullSync
MARKET_RATE_SYNC	MarketRateSync
MARKET_RATE_TYPE_FULLSYNC	MarketRateTypeFullSync
PERSON_BASIC_FULLSYNC	PersonBasicFullSync
PERSON_COMPETENCY_FULLSYNC	HRPersonCompetencies
PERSON_COMPETENCY_SYNC	HRPersonCompetencies
POSITION_FULLSYNC	LmPositionSync
POSITION_SYNC	Lm_PositionSync
RATING_MODEL_FULLSYNC	HRRatingModels
RATING_MODEL_SYNC	HRRatingModels
ROLE_COMP_FULLSYNC	RoleCompFullSync
ROLE_COMP_SYNC	RoleCompSync
USER_PROFILE	update user profile
WORKFORCE_FULLSYNC	LmWorkForce
WORKFORCE_SYNC	LmWorkForce

See Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.

Setting Up Message Transformations for the Learning Management Integration

Access the Relationships page.

To define a relationship:

1. Enter a name to identify the relationship in the Relationship ID field.
For example, you might enter LM_E1_IA to identify the relationships that have an inbound message transformation, and LM_E1_OA to identify the relationships that have an outbound message transformation.
2. Enter a description of the relationship in the Description field.
For example, you might enter “E1 to ELM Relationship for Inbound Asynchronous Transformations” and “ELM to E1 Relationship for Outbound Asynchronous Transformations.”
3. Select *Active* in the Relationship Status field.
4. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in both the first and second Node Name fields.
5. Click Save.
6. Select the Transaction Modifiers tab on the Relationships page, and then click Add Transaction Modifier to access the Relationship Transactions page.
7. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Initial Node field.
8. Specify the name of the message that you are transforming in the Request Message Name field below the Initial Node field.
9. Specify the version of the message that you are transforming in the Source Request Message Version field.
10. Specify either *OA* (OutAsync) or *IA* (InAsync) in the Transaction Type field.
11. Specify the PeopleSoft EnterpriseOne node (for example, *PSFT_E1*) in the Result Node field.
12. Specify the same message name in the Request Message Name field below the Result Node field that you specified in the Request Message Name field below the Initial Node field.
13. Specify the same version in the Target Request Message Version field that you specified in the Source Request Message Version field.
14. Click Add.
15. On the Transaction Modifiers page, specify *OA* or *IA* in the Transaction Type field.
Specify the same value that you specified in the Transaction Type field on the Relationship Transactions page.
16. Specify the transformation request name in the Request field and then click Save.

This table lists the transformations that you must set up for the Learning Management integration:

Transaction Name	Version	Transaction Type	Transformation Request
ACCOUNT_CHARTFIELD_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
ACCOUNT_CHARTFIELD_SYNC	VERSION_1	IA	LM_TRANSF_IA

Transaction Name	Version	Transaction Type	Transformation Request
BUS_UNIT_GL_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
BUS_UNIT_GL_SYNC	VERSION_1	IA	LM_TRANSF_IA
BUS_UNIT_HR_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
BUS_UNIT_HR_SYNC	VERSION_1	IA	LM_TRANSF_IA
COMPETENCY_FULLSYNC1	VERSION_1	IA	LM_TRANSF_IA
COMPETENCY_SYNC1	VERSION_1	IA	LM_TRANSF_IA
COUNTRY_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
COUNTRY_SYNC	VERSION_1	IA	LM_TRANSF_IA
CURRENCY_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
CURRENCY_SYNC	VERSION_1	IA	LM_TRANSF_IA
CURR_QUOTE_MTHD_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
CURR_QUOTE_MTHD_SYNC	VERSION_1	IA	LM_TRANSF_IA
JOBCODE_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
JOBCODE_SYNC	VERSION_1	IA	LM_TRANSF_IA
JOURNAL_GENERATOR_APPL_ID_SYNC	VERSION_1	IA	LM_TRANSF_IA
JOURNAL_GEN_APPL_ID_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
LM_ACCTG_LN	VERSION_1	IA	LM_TRANSF_IA
LM_DEPT_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
LM_DEPT_SYNC	VERSION_1	IA	LM_TRANSF_IA
LM_USER_PROFILE	VERSION_84	IA	LM_TRANSF_IA
MARKET_RATE_DEFN_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_DEFN_SYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_INDEX_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_INDEX_SYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_LOAD	VERSION_1	IA	LM_TRANSF_IA

Transaction Name	Version	Transaction Type	Transformation Request
MARKET_RATE_SYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_TYPE_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
MARKET_RATE_TYPE_SYNC	VERSION_1	IA	LM_TRANSF_IA
PERSON_BASIC_FULLSYNC	VERSION_2	IA	LM_TRANSF_IA
PERSON_BASIC_SYNC	VERSION_2	IA	LM_TRANSF_IA
PERSON_COMPETENCY_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
PERSON_COMPETENCY_SYNC	VERSION_2	IA	LM_TRANSF_IA
POSITION_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
POSITION_SYNC	VERSION_1	IA	LM_TRANSF_IA
RATING_MODEL_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
RATING_MODEL_SYNC	VERSION_1	IA	LM_TRANSF_IA
ROLE_COMP_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
ROLE_COMP_SYNC	VERSION_1	IA	LM_TRANSF_IA
STATE_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
STATE_SYNC	VERSION_1	IA	LM_TRANSF_IA
USER_PROFILE	VERSION_84	IA	LM_TRANSF_IA
WORKFORCE_FULLSYNC	VERSION_1	IA	LM_TRANSF_IA
WORKFORCE_SYNC	VERSION_1	IA	LM_TRANSF_IA
LM_ACCTNG_LN	VERSION_1	OA	LM_TRANSF_OA
LM_HR_LRN_OBJECTIVES_SYNC	VERSION_1	OA	LM_TRANSF_OA

Setting Up the Learning Management Integration in the Integration Server

This section lists a prerequisite and discusses how to:

- Enable PeopleSoft EnterpriseOne Adapter Listener Notifications for the Learning Management integration.
- Set up integration options for the Learning Management integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21.](#)

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the Learning Management Integration

Enable the Listener and these Listener Notifications within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.AddressBook:notifyAddressBook
- AdapterServices.Notification.Financials:notifyBusinessUnitEvent
- AdapterServices.Notification.Financials:notifyCompanyEvent
- AdapterServices.Notification.Financials:notifyGLAccountEvent
- AdapterServices.Notification.Financials:notifyPersonInformationEvent
- AdapterServices.Notification.LearningManagement:notifyResourceCompetencyEvent
- AdapterServices.Notification.LearningManagement:notifyEmployeeMasterEvent
- AdapterServices.Notification.LearningManagement:notifyCurrencyRateEvent
- AdapterServices.Notification.LearningManagement:notifyRoleCompetencyEvent
- AdapterServices.Notification.LearningManagement:notifyCompetencyEvent
- AdapterServices.Notification.LearningManagement:notifyScaleEvent
- AdapterServices.Notification.LearningManagement:notifyUserPreference
- AdapterServices.Notification.LearningManagement:notifyJobInBusinessUnitEvent
- AdapterServices.Notification.LearningManagement:notifyJobcode

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the Learning Management Integration

This section lists integration options used by all integration flows as well as the integration options for these integration points:

- Address Book to Person
- Currency Rates to Market Rates
- Hardcodes to Journal Generator
- Jobcodes
- User Profile
- Objective to Competency

- Subledger to Account Ledger

Integration Options Used by All Flows

All flows used in the PeopleSoft Enterprise Learning Management to PeopleSoft EnterpriseOne integration require these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Account Delimiter	Specify the account separator character that the system should use to separate the business unit, object, and subsidiary portions of account numbers in the PeopleSoft EnterpriseOne system. The default value is . (period).
PSFT_EnterpriseOne_ELM	Base Language	Specify the base language of the PeopleSoft EnterpriseOne database. This is used by generic, full-table subscription PeopleCode to help determine which tables to update. The default value is <i>ENG</i> (English).
PSFT_EnterpriseOne_ELM	Effective Date	Specify the effective date to assign to records that are created in the PeopleSoft Enterprise system. The default value is <i>1900-01-01</i> .
PSFT_EnterpriseOne_ELM	Effective Status	Specify the effective status to assign to records that are created in the PeopleSoft Enterprise system. The default value is <i>A</i> .
PSFT_EnterpriseOne_ELM	End Effective Date	Specify the end effective date to assign to records that are created in the PeopleSoft Enterprise system. The default value is <i>9999-12-31</i> .
PSFT_EnterpriseOne_ELM	Export Directory	Specify the location of the flat files that are generated by PeopleSoft EnterpriseOne table conversion programs. This value is an example: \\machinename\pyexport.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_ELM	Generic Delimiter	Specify the separator character that the system should use when concatenating two PeopleSoft EnterpriseOne values to obtain a single PeopleSoft Enterprise value for example, the PeopleSoft EnterpriseOne job code and job step are concatenated to create the PeopleSoft Enterprise job code). This delimiter is not used for account numbers; account numbers use the delimiter specified in the Account Delimiter integration option. The default value is (pipe character).
PSFT_EnterpriseOne_ELM	Language	Specify the language in which the messages that are sent to the PeopleSoft Enterprise system are generated, so that PeopleSoft Enterprise Learning Management can take that information into account when processing the message. The default value is <i>ENG</i> (English).
PSFT_EnterpriseOne_ELM	PSCAMA Class	The PSCAMA class is required by the PeopleSoft Enterprise messaging system. The default value is <i>R</i> and should not be changed.
PSFT_EnterpriseOne_ELM	Set ID	Specify the default setID for PeopleSoft Enterprise Learning Management. The default value is <i>FMSE1</i>.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. The default value is <i>PSFT_LM</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_ELM	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, <i>HTTP</i> or <i>JMS</i>). The default value is <i>http</i>.
PSFT_EnterpriseOne_ELM	Transaction Transport Address	Specify the URL of the local gateway in the PeopleSoft Enterprise system. This value is an example: <i>http://sunrise/PSIGW/HttpListeningConnector</i>

Address Book to Person

The integration options listed in this section are used by one or more of these flows:

- PSFT_EnterpriseOne_ELM/Financials/InitialBatchLoads/E1_Address_Book_To_E_Person
- PSFT_EnterpriseOne_ELM/Human_Resources/E1_Address_Book_To_E_Person

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Expected Address Type	Specify the default address type for addresses that are sent to the PeopleSoft Enterprise system. The default value is <i>HOME</i>.
PSFT_EnterpriseOne_ELM	Expected Name Type	Specify the default name type for names that are sent to the PeopleSoft Enterprise system. The default value is <i>PRI</i> (primary).

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	External Person	Specify the value for the External Person flag in PeopleSoft Enterprise Learning Management. This integration processes employee records only. The default value is <i>N</i> .
PSFT_EnterpriseOne_ELM	Person Status	Specify the default Person Status for address book records that are transferred from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. This integration processes employee address book records only. The default value is <i>E</i> .
PSFT_EnterpriseOne_ELM	Preferred Communication Method	Specify the default preferred communication method of address book records that are transferred from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system. The default value is <i>EMAL</i> (email).
PSFT_EnterpriseOne_ELM	Preferred Name Source	Enter <i>A</i> to use the alpha name from the PeopleSoft EnterpriseOne system as the employee's name. Enter any other value, including blank, to use the given name and the surname from the Who's Who record in the PeopleSoft EnterpriseOne system. Note. The expected format for the alpha name field is "lastname, firstname." If there is a middle name or initial, it is included as part of the first name. The default value is <i>A</i> .
PSFT_EnterpriseOne_ELM	Primary Contact Method	Enter <i>Y</i> or <i>N</i> to indicate whether the address being sent from the PeopleSoft Enterprise system is the primary address. The default value is <i>Y</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Purpose Type	Specify the purpose code values to designate the contact method types for address book records that are sent from the PeopleSoft EnterpriseOne system. The default value is <i>HOME</i> .
PSFT_EnterpriseOne_ELM	Source Indicator	Specify the external source code for the PeopleSoft EnterpriseOne system. PeopleSoft Enterprise Learning Management supports the HRMS external source as delivered. If you specify <i>HRMS</i> at the external source, you do not need to define an additional external source in PeopleSoft Enterprise Learning Management. The default value is <i>HRMS</i> .

Currency Rates to Market Rates

The integration options listed in this section are used by one or more of these flows:

- PSFT_EnterpriseOne_ELM/Financials/InitialBatchLoads/E1_Hardcodes_To_E_Market_Rate_Index
- PSFT_EnterpriseOne_ELM/Financials/InitialBatchLoads/E1_Currency_Rates_To_E_Market_Rate_Definition
- PSFT_EnterpriseOne_ELM/Financials/InitialBatchLoads/E1_Currency_Rates_To_E_Market_Rates
- PSFT_EnterpriseOne_ELM/Financials/E1_Currency_Rates_To_E_Market_Rate_Definition
- PSFT_EnterpriseOne_ELM/Financials/E1_Currency_Rates_To_E_Market_Rates

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Description	Specify the description of the market rate index for market rates that are sent to the PeopleSoft Enterprise system. The default value is <i>TEST_INDEX</i> .
PSFT_EnterpriseOne_ELM	Market Rate Index	Specify the market rate index for market rates that are sent to the PeopleSoft Enterprise system. The default value is <i>TEST_INDEX</i> .

Hardcodes to Journal Generator

The integration options listed in this section are used by the E1_Hardcodes_To_E_Journal_Generator flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Description	Enter a description of the journal template. The default value is <i>Journal Description</i> .
PSFT_EnterpriseOne_ELM	Journal Template	Specify the name of the journal template to be used for accounting entries that are integrated with the PeopleSoft EnterpriseOne system. The journal template determines how the system formats transaction data in the PeopleSoft Enterprise Learning Management Accounting Entry tables. The default value is <i>E1_TEMPL</i> .

Jobcodes

The integration option listed in this section is used by the E1_Jobcodes_To_E_ELMJobcodes flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Job Code ID	Specify the job code for competency information that is imported into PeopleSoft Enterprise Learning Management from the PeopleSoft EnterpriseOne system.

User Profile

The integration options listed in this section are used by these flows:

- PSFT_EnterpriseOne_ELM/Human_Resources/InitialBatchLoads/E1_User_Preference_to_E_LM_User_Profile
- PSFT_EnterpriseOne_ELM/Human_Resources/E1_Address_Book_To_E_LM_User_Profile
- PSFT_EnterpriseOne_ELM/Human_Resources/E1_User_Preference_to_E_LM_User_Profile

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Default Password	Enter the default password for PeopleSoft Enterprise Learning Management. You use the Password Option integration option to specify whether to use this password or the user ID from the PeopleSoft EnterpriseOne system as the default password. The default value is <i>ELM</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	Domestic Language (Enterprise One)	Specify the language code to identify the language of your PeopleSoft EnterpriseOne implementation. The default value is <i>ENG</i> .
PSFT_EnterpriseOne_ELM	Email Type	Specify the default email type for address book records that are sent from the PeopleSoft EnterpriseOne system. The default value is <i>BUS</i> .
PSFT_EnterpriseOne_ELM	ID Type	Specify the ID type used to populate user profile records in the PeopleSoft Enterprise system. This integration supports internal users (employees) only. The default value is <i>EMP</i> .
PSFT_EnterpriseOne_ELM	Password Option	Enter <i>1</i> to use the PeopleSoft EnterpriseOne user ID as the default password in PeopleSoft Enterprise Learning Management. Enter <i>2</i> to use the password from the Default Password integration option as the default password in PeopleSoft Enterprise Learning Management. The default value is <i>1</i> .
PSFT_EnterpriseOne_ELM	Primary Email	Enter <i>Y</i> or <i>N</i> to specify whether the email addresses sent for employees from the PeopleSoft EnterpriseOne system is the primary email address. The default value is <i>Y</i> .
PSFT_EnterpriseOne_ELM	Process Profile P L	Specify the permission list for Standard Process Profile in PeopleSoft Enterprise Learning Management. The default value is <i>LMLELM9050</i> .

Objective to Competency

The integration option listed in this section is used by the E_Objective_To_E1_Competency flow.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_ELM	EDI User ID	Enter a user-defined identification number. This integration option is required. The user ID, in conjunction with the batch number (which is a system number generated by the PeopleSoft EnterpriseOne system), can be used to identify batch competency transactions. The User ID field can contain the user ID of the person or machine who is to receive messages regarding the status of the transaction. This field is blank by default. This value is an example: <i>zz1234567</i>.

Subledger to Account Ledger

The integration options listed in this section are used by the E_Subledger_to_E1_Account_Ledger flow.

Navigation	Integration Option	Usage
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system. This is a sample value: <i>mm/dd/yyyy</i>.
PSFT_EnterpriseOne_ELM	EDI User ID	Enter a user-defined identification number. The user ID, in conjunction with the batch number (which is a system number generated by the PeopleSoft EnterpriseOne system), can be used to identify batch journal entry transactions. The User ID field can contain the user ID of the person or machine who is to receive messages regarding the status of the transaction. This field is blank by default. This value is an example: <i>zz1234567</i>.
PSFT_EnterpriseOne_ELM	DocumentType	Specify the type of the financial transactions that are sent from PeopleSoft Enterprise Learning Management to the PeopleSoft EnterpriseOne system. The value must exist in user-defined code (UDC) 00/DT in the PeopleSoft EnterpriseOne system. The default value is <i>JE</i>.

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 36

Setting Up Prerequisite Data for the Learning Management Integration

This chapter discusses how to:

- Set up manual data in the PeopleSoft EnterpriseOne system for the Learning Management integration.
- Set up manual data in the PeopleSoft Enterprise system for the Learning Management integration.
- Set up corresponding data in both systems.
- Set up cross-references for the Learning Management integration.
- Load master data for the Learning Management integration.

Setting Up Manual Data in the PeopleSoft EnterpriseOne System for the Learning Management Integration

This section discusses how to:

- Set up the date format.
- Set up external system roles in the PeopleSoft EnterpriseOne system.

Note. You must set up this manual data before you run the Learning Management integration.

Forms Used to Set Up Manual Data in the PeopleSoft EnterpriseOne System for the Learning Management Integration

Form Name	FormID	Navigation	Usage
User Profile Revisions	W0092A	My System Options, User Profile Revisions	Change user options such as the date format and language.
Manage External System User Roles	W0805A	Enter P0805 in the Fast Path.	Set up external system roles that correspond to PeopleSoft Enterprise Learning Management roles. The roles you enter in this program are used in PeopleSoft Enterprise Learning Management, not in the PeopleSoft EnterpriseOne system.

Setting Up the Date Format

Access the User Profile Revisions form.

Date Format

Specify *DME* if the date format in the PeopleSoft Enterprise system is DD/mm/yyyy. If the date format in the PeopleSoft Enterprise system is MM/dd/yyyy, specify *MDE*. These values display a four-digit year rather than a two-digit year. The four-digit year pattern that you define in PeopleSoft EnterpriseOne must match the PeopleSoft Enterprise date format in order for effective dates to be integrated.

Setting Up External System Roles in the PeopleSoft EnterpriseOne System

Access the Manage External System User Roles form.

Manage External System User Roles																																							
OK Find Delete Cancel Tools																																							
Records 1 - 6 Customize Grid <table> <tr> <th></th><th>External System</th><th>External System</th><th>External System Role</th><th>Description</th></tr> <tr> <td>☐</td><td>ELM</td><td>Enterprise ELM</td><td>LMLELM_ELM_USER</td><td>ELM User</td></tr> <tr> <td>☐</td><td>ELM</td><td>Enterprise ELM</td><td>LMLELM_Internal_Learner</td><td>ELM Internal Learner</td></tr> <tr> <td>☐</td><td>ELM</td><td>Enterprise ELM</td><td>PAPP_USER</td><td>PAPP User</td></tr> <tr> <td>☐</td><td>ELM</td><td>Enterprise ELM</td><td>PeopleSoft User</td><td>PeopleSoft User</td></tr> <tr> <td>☐</td><td>ELM</td><td>Enterprise ELM</td><td>UPG_ALLPAGES</td><td>UPG all pages</td></tr> <tr> <td>☐</td><td></td><td></td><td></td><td></td></tr> </table>						External System	External System	External System Role	Description	☐	ELM	Enterprise ELM	LMLELM_ELM_USER	ELM User	☐	ELM	Enterprise ELM	LMLELM_Internal_Learner	ELM Internal Learner	☐	ELM	Enterprise ELM	PAPP_USER	PAPP User	☐	ELM	Enterprise ELM	PeopleSoft User	PeopleSoft User	☐	ELM	Enterprise ELM	UPG_ALLPAGES	UPG all pages	☐				
	External System	External System	External System Role	Description																																			
☐	ELM	Enterprise ELM	LMLELM_ELM_USER	ELM User																																			
☐	ELM	Enterprise ELM	LMLELM_Internal_Learner	ELM Internal Learner																																			
☐	ELM	Enterprise ELM	PAPP_USER	PAPP User																																			
☐	ELM	Enterprise ELM	PeopleSoft User	PeopleSoft User																																			
☐	ELM	Enterprise ELM	UPG_ALLPAGES	UPG all pages																																			
☐																																							

Manage External System User Roles page

You must set up these roles:

- LMLELM_ELM_User
- LMLELM_Internal_Learner
- PAPP_USER
- PeopleSoft User
- UPG_ALLPAGES

See Also

PeopleSoft Enterprise Learning Management 8.81 PeopleBook, “Appendix: Understanding PeopleSoft Enterprise Learning Management Security,” Understanding Roles and Permission Lists.

Setting Up Manual Data in the PeopleSoft Enterprise System for the Learning Management Integration

This section discusses how to:

- Add the FMSE1 SetID.
- Add the current market rate type.
- Set up the HRCOMP external source code.
- Set up relationship properties.

Note. You must set up this manual data before you run the Learning Management integration.

Pages Used to Set Up Manual Data in the PeopleSoft Enterprise System for the Learning Management Integration

Access these pages in the appropriate PeopleSoft Enterprise Learning Management database.

Page Name	Object Name	Navigation	Usage
TableSet ID	SETID_TABLE	PeopleTools, Utilities, Administration, TableSet IDs	Manually add a SetID.
Market Rate Type	RT_TYPE_TBL	Set Up ELM, Financial Details, Market Rates, Exchange Rate Types, Market Rate Type	Manually add exchange rate types and review existing exchange rate types.
External Source Setup	LM_OBJV_EXT_STP	Set Up ELM, Objectives, External Sources, External Source Setup Select the HRCOMP External Source Code.	Set up the HRCOMP External Source Code to convert competencies from the PeopleSoft EnterpriseOne system to objectives in PeopleSoft Enterprise Learning Management.
Relationships	IB_RELATIONSHIP	PeopleTools, Integration Broker, Integration Setup, Relationships	Set up relationship properties for the PSFT_E1 node.

Adding the FMSE1 SetID

Access the TableSet ID page.

TableSet ID

Find an Existing Value Add a New Value

SetID: FMSE1

Add

TableSet ID page

SetID

Add *FMSE1*. This is the default value in the Integration Options and must exist in PeopleSoft Enterprise.

Adding the Current Market Rate Type

Access the Market Rate Type page.

The screenshot shows a web interface for configuring exchange rate types. At the top, there is a tab labeled "Rate Type". Below it, the title "Market Rate Type" is displayed. The configuration fields are as follows:

Rate Type:	CRRNT
Description:	Current Rate Type
Short Description:	Current

Exchange Rate Types page

Rate Type

Add the rate type *CRRNT*. You cannot add this value in the PeopleSoft EnterpriseOne system because user-defined code (UDC) 11/RT is limited to two characters. This value must exist in PeopleSoft Enterprise Learning Management for the integration of market rates.

Setting Up the HRCOMP External Source Code

Access the External Source Setup page.

The screenshot shows the "External Source Setup" page. The "External Source Code" is set to "ELM". Below this, there is a section titled "External Source Data" with the following configuration:

*Description:	ELM Objectives
☒	Automatically Map Objectives to External Codes
☒	System Data

External Source Setup page

Automatically Map Objectives to External Codes

Select this check box to convert PeopleSoft EnterpriseOne competencies to PeopleSoft Enterprise Learning Management objectives.

Setting Up Relationship Properties

Access the Relationships page.

To set up relationship properties for the PSFT_E1 node,

1. Open the LM_E1_IA relationship.
2. Click Properties to access the Relationship Properties page.
3. Change the value for the *Category, AppRelease* property from PeopleSoft HCM 8.8 to PeopleSoft E1.
4. Reboot the App Server and clear the cache.

Note. Depending on your PeopleSoft Enterprise Learning Management service pack level, this value may already be set correctly.

Setting Up Corresponding Data in Both Systems

Due to their static nature, certain entities must be manually synchronized between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You must load identical values for the PeopleSoft EnterpriseOne codes and the PeopleSoft Enterprise codes before you run the integration:

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation	Comments
Currency Code	Currency Code	Set Up ELM, Financial Details, Market Rates, Currency Codes	Financials, GA, GA System Setup, Organization and Account Setup, Multi-Currency Setup, Designate Currency Codes	A blank value in the PeopleSoft EnterpriseOne system is invalid when running this integration.
State	State	Set Up ELM, State	UDC 00/S	State codes in the PeopleSoft Enterprise system have an associated two-digit country code. You must associate states with countries in the PeopleSoft EnterpriseOne system. Make sure that you use country codes that are valid in the PeopleSoft EnterpriseOne system when you set up these relationships.

Setting Up Cross-References for the Learning Management Integration

This section provides an overview of key cross-references for the Learning Management integration and discusses how to set up code cross-references for the Learning Management integration.

Understanding Key Cross-References for the Learning Management Integration

This integration requires that key cross-references be set up in the PeopleSoft EnterpriseOne WSG cross-reference database. The system creates these key cross-references during integration processing; no user setup is required.

Application ID	Object ID
E-ELM	businessunit
E-ELM	competency
E-ELM	position
E-ELM	reviewpoint-(scale name)
E-ELM	reviewrating-(scale name)

businessunit

The system creates this key cross reference during the initial load of PeopleSoft EnterpriseOne business units to PeopleSoft Enterprise Learning Management departments.

The canonical and native keys both contain business units from the Business Unit field (MCU) of the Business Unit Master table (F0006) in the PeopleSoft EnterpriseOne system. The native key is the department ID in PeopleSoft Enterprise Learning Management.

This cross-reference is used by the incremental sync of business units to departments to determine whether the business unit that is being sent from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management is being added or changed.

Note. If you rerun the initial batch load of business units to departments, you do not need clear the businessunit key cross-reference. The header service automatically clears the businessunit cross-reference.

competency

The system creates this key cross reference during the initial load of competencies from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management.

The canonical key contains a concatenation of the Competency Type field (CMPE) and the Competency Code field (CMPC) from the Competency Master table (F05104), separated by the pipe character, for example 001|ACCTG. The native key contains a concatenation of the Competency Type field and the Competency Code field without a separator and without leading zeros, for example, 1ACCTG. The native key is the external code assigned to learner competencies in PeopleSoft Enterprise Learning Management.

Note. If you rerun the initial batch load of competencies, you do not need clear the competency key cross-reference. The header service automatically clears the competency cross-reference.

This cross-reference is used by the incremental synchronization of competencies and by the initial batch load and incremental synchronization of PeopleSoft EnterpriseOne resource competencies to PeopleSoft Enterprise Learning Management person competencies. Therefore, it is crucial that the initial load of competencies occur before the initial load or incremental synchronizations of resource competencies to person competencies.

This cross-reference is also used for the transactional transfer of PeopleSoft Enterprise Learning Managements objectives to PeopleSoft EnterpriseOne competencies.

position

The system creates this key cross-reference during the initial load of PeopleSoft EnterpriseOne jobs in business units to PeopleSoft Enterprise Learning Management positions.

The canonical key contains a concatenation of the Organizational Business Unit field (ORMCU), the Job Type field (JBCE), and the Job Step field (JBST) from Organizational Business Unit/Job Cross-Reference table (F080061), separated by the pipe character, for example, M30|8P-3|A.1. The native key contains the corresponding position number from PeopleSoft Enterprise Learning Management.

This cross-reference is used by the incremental sync of jobs in business units to positions to determine whether the job that is being sent from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management is being added or changed.

Note. If you rerun the initial batch load of jobs in business units to positions, you do not need clear the position key cross-reference. The header service automatically clears the position cross-reference.

reviewpoint and reviewrating

The system creates these key cross-references during the initial load of PeopleSoft EnterpriseOne scales to PeopleSoft Enterprise Learning Management rating models.

The system creates several instances of the reviewpoint and reviewrating cross-references, following the object name with the name of the scale, for example, reviewpoint-3PT or reviewrating-3PT.

For the reviewpoint cross-reference, the canonical key contains a concatenation of the Scale field (SCLE) from the Scale Master table (F05103) and the Low Value field (SCLL) from the Competency Levels table (F05119), separated by the pipe character, for example, 3PT|1.000. The native key contains a concatenation of the corresponding ratings model and review points from PeopleSoft Enterprise Learning Management, separated by a pipe character, for example, 3PT|33.

For the reviewrating cross-reference, the canonical key contains the same value as the canonical key for the reviewpoint cross-reference. The native key contains a concatenation of the corresponding ratings model and proficiency from PeopleSoft Enterprise Learning Management, separated by a pipe character, for example, 3PT|C.

Note. If you rerun the initial batch load of scales to rating models, you do not need clear the reviewpoint or reviewrating key cross-references. The header service automatically clears these cross-references.

The reviewpoint and reviewrating key cross-references are used during the incremental synchronization of scales to rating models.

The reviewrating key cross-reference is used by the initial batch load and incremental synchronization of PeopleSoft EnterpriseOne resource competencies to PeopleSoft Enterprise Learning Management person competencies. Therefore, it is crucial that the initial load of competencies occur before the initial load or incremental synchronizations of resource competencies to person competencies.

The reviewrating key cross-reference is also used for the transactional transfer of PeopleSoft Enterprise Learning Managements objectives to PeopleSoft EnterpriseOne competencies.

Setting Up Code Cross-References for the Learning Management Integration

This integration requires that code cross-references be set up in the PeopleSoft EnterpriseOne WSG cross-reference database. You set up code cross-references in the PeopleSoft EnterpriseOne WSG cross-reference database. Specify the PeopleSoft Enterprise value as the native code and the PeopleSoft EnterpriseOne value as the canonical code.

Application ID	Object ID	Canonical Code	Native Code
E-ELM	changereason	Enter values from UDC 06/T. Note. If you are not tracking history, you must create a cross-reference for a blank value from PeopleSoft EnterpriseOne.	Enter three-character, uppercase values for the Action field (LM_ACTION) in the LM_STG_PRS_JOB staging table.
E-ELM	country	Enter values from UDC 00/CN.	Enter three-character, uppercase values for the Country field (COUNTRY) from PeopleSoft Enterprise Learning Management. Note. You must create a cross reference between the PeopleSoft EnterpriseOne default country (blank), and a PeopleSoft Enterprise country because the default country is customer specific.
E-ELM	employeetype	Enter values from UDC 05A/PK.	Enter one-character, uppercase values for the Employee Type field (LM_EMPL_TYPE) in the LM_STG_PRS_JOB staging table.
E-ELM	employmentstatus	Enter values from UDC 06/ES.	Enter one-character, uppercase values for the Regular/Temporary field (LM_REG_TEMP) in the LM_STG_PRS_JOB staging table.
E-ELM	flsaexemptstatus	Enter values from UDC 05/FL.	Enter one-character, uppercase values for the FLSA Status field (LM_FLSA_STATUS) in the LM_STG_PRS_JOB staging table.

Application ID	Object ID	Canonical Code	Native Code
E-ELM	jobcategory	Enter values from UDC 06/J.	Enter one-character, uppercase values for the EEO Classification field (LM_EEO_CLASS) in the LM_STG_PRS_JOB staging table.
E-ELM	languagecode	Enter values from UDC 01/LP.	Enter three-character, uppercase values for the Language Code field (LANGUAGE_CD) field.
E-ELM	scale	Enter values from the Scale field (SCLE) in the Scale Master table (F05103).	Enter four-character, uppercase values for the Rating Model field (LM_RATING_MODEL) of the Rating Model table (LM_RTNG_MDL_TBL).
E-ELM	shiftcode	Enter values from UDC 06/SH.	Enter one-character, uppercase values for the Regular Shift field (LM_SHIFT) in the LM_STG_PRS_JOB staging table.
E-ELM	unioncode	Enter values from UDC 06/UN.	Enter three-character, uppercase values for the Union Code field (LM_UNION_CD) in the LM_STG_PRS_JOB staging table.
E-ELM	worktimestatus	Enter values from UDC 06/ES.	Enter one-character, uppercase values for the Full/PartTime field (LM_FULL_PART_TIME) in the LM_STG_PRS_JOB staging table.

Note. For codes that exist in either the PeopleSoft EnterpriseOne system or the PeopleSoft Enterprise system but that do not have a corresponding code in the other system, you must add a corresponding code in the system that lacks the code, and then cross reference the two system's codes.

Loading Master Data for the Learning Management Integration

This section provides overviews of the process of loading PeopleSoft EnterpriseOne data into PeopleSoft Enterprise Learning Management tables and of the incremental synchronization of master data for the Learning Management integration, lists prerequisites, and discusses how to:

- Set processing options for the Update External System Job Descriptions program (R080025).
- Set processing options for the Account Master Batch Load (R8909F0901) program.

- Set processing options for the Business Unit Batch Load (R8900F0006) program.
- Set processing options for the Batch Load Outbound Job Descriptions (R89F080601) program.
- Set processing options for the Currency Exchange Batch Upload program (R8900F0015).
- Set processing options for the User Profile Batch Load program (R89F0092B).
- Run batch integrations in the Integration Server for the Learning Management integration.

Note. If a table conversion program is used in the Learning Management and does not have processing options listed in this chapter, the table conversion program does not use processing options.

Understanding the Process of Loading PeopleSoft EnterpriseOne Data into PeopleSoft Enterprise Learning Management Tables

Perform the initial loading of the PeopleSoft EnterpriseOne data to corresponding PeopleSoft Enterprise Learning Management tables in this order:

1. PeopleSoft EnterpriseOne Hard Codes to PeopleSoft Enterprise Journal Generator.
2. PeopleSoft EnterpriseOne Company to PeopleSoft Enterprise GL Business Unit.
3. PeopleSoft EnterpriseOne Company to PeopleSoft Enterprise HR Business Unit.
4. PeopleSoft Enterprise to PeopleSoft Enterprise Market Rate Type.
5. PeopleSoft EnterpriseOne Hard Codes to PeopleSoft Enterprise Market Rate Index.
6. PeopleSoft EnterpriseOne Currency Rates to PeopleSoft Enterprise Market Rates.
7. PeopleSoft EnterpriseOne Currency Rates to PeopleSoft Enterprise Market Rate Definition.
8. PeopleSoft EnterpriseOne Currency Rates to PeopleSoft Enterprise Currency Quote Method.
9. PeopleSoft EnterpriseOne Accounts to PeopleSoft Enterprise ChartFields.
10. PeopleSoft EnterpriseOne to PeopleSoft Enterprise Job Codes.
11. PeopleSoft EnterpriseOne Job in Business Unit to PeopleSoft Enterprise Positions.
12. PeopleSoft EnterpriseOne Business Unit to PeopleSoft Enterprise Department.
13. PeopleSoft EnterpriseOne Scale to PeopleSoft Enterprise Rating Models.
14. PeopleSoft EnterpriseOne to PeopleSoft Enterprise Competency.
15. PeopleSoft EnterpriseOne Competency Job Description to PeopleSoft Enterprise Role Competency.
16. PeopleSoft EnterpriseOne to PeopleSoft Enterprise User Profile.
17. PeopleSoft EnterpriseOne Address Book to PeopleSoft Enterprise Person.
18. PeopleSoft EnterpriseOne Employee Master to PeopleSoft Enterprise Workforce.
19. PeopleSoft EnterpriseOne Resource Competency to PeopleSoft Enterprise Person Competency.

Important! You should run the XELMINTEG versions of the table conversion programs. These versions mark quotes within quotes with a release character so that these strings can be processed correctly in the Integration Server.

This table describes the initial data loads that you must perform:

Table Conversion Program	Flat File Name	Batch Integration Flow	Message
None	N/A	E1_Hardcodes_To_E_Journal_Generator: convert_E1_Hardcodes_To_E_Journal_Generator	JOURNAL_GEN_APPL_ID_FULLSYNC
Company Manage Notify Initial Load (R0010IL)	f0010xpi.txt	E1_Company_To_E_GL_Business_Unit: convert_E1_Company_To_E_GL_Business_Unit	BUS_UNIT_GL_FULLSYNC
Company Manage Notify Initial Load (R0010IL)	f0010xpi.txt	E1_Company_To_E_HR_Business_Unit: convert_E1_Company_To_E_HR_Business_Unit	BUS_UNIT_HR_FULLSYNC
None	N/A	E1_To_E_Market_Rate_Type: convert_E1_To_E_Market_Rate_Type	MARKET_RATE_TYPE_FULLSYNC
None	N/A	E1_Hardcodes_To_E_Market_Rate_Index: convert_E1_Hardcodes_To_E_Market_Rate_Index	MARKET_RATE_INDEX_FULLSYNC
Currency Exchange Batch Upload (R8900F0015)	F0015 Exchange Rate Upload.txt	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	MARKET_RATE_FULLSYNC
Currency Exchange Batch Upload (R8900F0015)	F0015 Exchange Rate Upload.txt	E1_Currency_Rates_To_E_Market_Rate_Definition: convert_E1_Currency_Rates_To_E_Market_Rate_Definition	MARKET_RATE_DEFN_FULLSYNC
Currency Exchange Batch Upload (R8900F0015)	F0015 Exchange Rate Upload.txt	E1_Currency_Rates_To_E_Currency_Quote_Method: convert_E1_Currency_Rates_To_E_Currency_Quote_Method	CURR_QUOTE_MTHD_FULLSYNC
Account Master Batch Load (R8909F0901)	f0901batchload.txt	E1_Accounts_To_E_Chartfields: convert_E1_Accounts_To_E_Chartfields	ACCOUNT_CHARTFIELD_FULLSYNC
Job Information Batch Load (R89F08001)	F08001_OUT.txt	E1_Jobcode_To_E_ELMJobcode: convert_E1_Jobcodes_To_E_ELMJobcodes	JOBCODE_FULLSYNC
Batch Load Outbound Jobs Within Business Units (R890800601)	F0800601_OUT.txt	E1_Job_In_BU_To_E_Position: convert_E1_Job_In_BU_To_E_Position	POSITION_FULLSYNC
Business Unit Batch Load (R8900F0006)	f0006batchload.txt	E1_Business_Unit_To_E_Department: convert_E1_Business_Unit_To_E_Department	LM_DEPT_FULLSYNC

Table Conversion Program	Flat File Name	Batch Integration Flow	Message
Scale Batch Load (R89F05103)	F05103_OUT.txt	E1_Scale_To_E_Rating_Models: convert_E1_Scale_To_E_Rating_Models	RATING_MODEL_FULLSYNC
Competencies Batch Load (R89F05104)	F05104_OUT.txt	E1_To_E_Competency: convert_E1_To_E_Competency	COMPETENCY_FULLSYNC1
Batch Load Outbound Job Descriptions (R89F080601)	JOB_DESC_OUT.txt	E1_Comp_Job_Desc_To_E_Role_Comp: convert_E1_Comp_Job_Desc_To_E_Role_Comp	ROLE_COMP_FULLSYNC
User Profile Batch Load (R89F0092B)	User_Profile_Out.txt	E1_User_Preference_to_E_LM_User_Profile: convert_E1_User_Preference_To_E_User_Profile	LM_USER_PROFILE
Address Book Master Batch Load (R8901F0101)	f0101batchload.txt	E1_Address_Book_To_E_Person: convert_E1_Address_Book_To_E_Person	PERSON_BASIC_FULLSYNC
Employee Master Batch Load (R89F060116)	F060116_OUT.txt	E1_Employee_Master_To_E_Workforce: convert_E1_Employee_Master_To_E_Workforce	WORKFORCE_FULLSYNC
Resource Competencies Batch Load (R89F05100)	F05100_OUT.txt	E1_Resource_Comp_To_E_Person_Comp: convert_E1_Resource_Comp_To_E_Person_Comp	PERSON_COMPETENCY_FULLSYNC

E1_Hardcodes_To_E_Journal_Generator

This initial data load sends this hard-coded data to the PeopleSoft Enterprise Learning Management Journal Generator table (PS_LM_JRNLGEN_TMPL):

- SetID: Integration Option value.
- Journal Template: system setup table value.
- Effective Date: 1900-01-01.
- Status as of Effective Date: A.
- Description: integration option value.
- Journal Source: blank.

E1_Company_To_E_GL_Business_Unit

This initial data load sends company data from the PeopleSoft EnterpriseOne Company Master table (F0010) to PeopleSoft Enterprise Learning Management GL Business Units.

E1_Company_To_E_HR_Business_Unit

This initial data load sends company data from the PeopleSoft EnterpriseOne Company Master table (F0010) to the PeopleSoft Enterprise Learning Management HR Business Units table (PS_LM_BUS_UNIT_TBL).

E1_To_E_Market_Rate_Type

This initial data load sends the values for UDC 11/RT (Multicurrency Rate Type) from the PeopleSoft EnterpriseOne User Defined Codes table (F0005) to the PeopleSoft Enterprise Learning Management Market Rate Type table (RT_TYPE_TBL).

You must manually add the value CRRNT in PeopleSoft Enterprise Learning Management. You cannot add this value in the PeopleSoft EnterpriseOne system because UDC 11/RT is limited to two characters. This value must exist in PeopleSoft Enterprise Learning Management for the integration of market rates.

There is no incremental synchronization for this data because this data rarely changes. If you add a new multicurrency rate type in the PeopleSoft EnterpriseOne system, you must run this integration point again.

E1_Hardcodes_To_E_Market_Rate_Index

This initial data load sends this hard-coded data to the PeopleSoft Enterprise Learning Management Market Rate Index table (RT_INDEX_TBL):

- Market Rate Index: Integration Option value.
- Rate Category: 10.
- Description: integration option value.
- Decimal Positions: 7.
- Default Exchange Rate Index: Y.

E1_Currency_Rates_To_E_Market_Rates

This initial data load sends currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Market Rate table (RT_RATE_TBL).

You must manually add market rate type of CRRNT to the PeopleSoft Enterprise Learning Management Market Rate Type table (RT_TYPE_TBL) before running this service.

E1_Currency_Rates_To_E_Market_Rate_Definition

This initial data load sends currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Market Rate Definition table (RT_RATE_DEF_TBL).

E1_Currency_Rates_To_E_Currency_Quote_Method

This initial data load sends currency exchange rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Currency Quotation table (CURR_QUOTE_TBL).

E1_Accounts_To_E_Chartfields

This initial data load sends account information from the PeopleSoft EnterpriseOne Account Master table (F0901) to the PeopleSoft Enterprise Learning Management Account ChartField table (PS_LM_CF_ACCOUNT).

The integration server sends the object and subsidiary portions of the PeopleSoft EnterpriseOne account number, separated by the account delimiter specified in the integration options, to the PeopleSoft Enterprise system.

E1_Jobcodes_To_E_ELMJobcodes

This initial data load sends job data from the PeopleSoft EnterpriseOne Job Information table (F08001) to the PeopleSoft Enterprise Learning Management Job Code table (PS_LM_JOBCODE_TBL).

E1_Job_In_BU_To_E_Position

This initial data load sends job in business unit data from the PeopleSoft EnterpriseOne Organizational Business Unit/Job Cross-Reference table (F0800601) to the PeopleSoft Enterprise Learning Management Positions (PS_LM_POSITION).

The position number that is written to the PS_LM_POSITION table is derived from a concatenation of the organizational business unit, job type, and job step from PeopleSoft EnterpriseOne.

E1_Business_Unit_To_E_Department

This initial data load sends business unit data from the PeopleSoft EnterpriseOne Business Unit Master table (F0006) to the PeopleSoft Enterprise Learning Management Department record (PS_LM_ORGANIZATION).

You might receive an Out of Memory error due to the large number of business units processed by this flow. To correct the issue, set up the Integration Server for high volume transactions.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up for High-Volume Transactions, page 23](#).

E1_Scale_To_E_Rating_Models

This initial data load sends scale data from the PeopleSoft EnterpriseOne Scale Master table (F05103) and Competency Levels table (F05119) to the PeopleSoft Enterprise Learning Management Rating Model table (PS_LM_RTNG_MDL_TBL) and Review Ratings table (PS_LM_RVW_RTNG_TBL).

You must set up the scale code cross-reference before running this initial data load.

Note. We recommend that you do not change scale values after you run the initial data load of scale data. While the scale values themselves are updated by the incremental synchronization of scales to rating models, any employee competency records that use the old scale are not updated. If the scale is changed in the PeopleSoft EnterpriseOne system after being sent to PeopleSoft Enterprise Learning Management, you are responsible for manually correcting the employee competency data in the PeopleSoft Enterprise Learning Management system.

E1_To_E_Competency

This initial data load sends competency data from the PeopleSoft EnterpriseOne Competency Master table (F05104) to the PeopleSoft Enterprise Learning Management Objectives External Source table (PS_LM_OBJV_EXT_SRC), Objectives table (PS_LM_OBJV_TBL), and Objectives Detail table (PS_LM_OBJV_DTL).

You must set up the scale code cross-reference before running this initial data load.

Also, you must set up Objectives in the PeopleSoft Enterprise Learning Management system before running this initial data load.

See PeopleSoft 8.81 Enterprise Learning Management PeopleBook, “Setting Up Objectives.”

E1_Comp_Job_Desc_To_E_Role_Comp

This initial load sends role competency data from the PeopleSoft EnterpriseOne Organizational Business Unit/Job Cross-Reference table (F0800601) to the PeopleSoft Enterprise Learning Management Role Competency table (PS_LM_ROLE_COMPS).

E1_User_Preference_to_E_LM_User_Profile

This initial load sends user preference data from the PeopleSoft EnterpriseOne Library Lists - User table (F0092), User Display Preferences table (F00921), Address Book Master table (F0101), and Electronic Address table (F01151) to the Enterprise Learning Management User Profile tables (PSROLEXATOPR, PSROLEXLATOPRVW, PSOPRDEFN, PSOPRALIAS, PSROLEUSER, PSROLEUSER_VW, PSUSEREMAIL, and PS_LM_PERSON_OPRID).

Before you run this initial data load, verify that the appropriate data is set up in these programs:

- User Preferences (P0092).
- Address Book Revisions (P01012).
- Electronic Address Revisions (P01111).

You should set up primary email addresses in the Electronic Address Revisions program, specifying *E* in the Electronic Address Type field and *I* in the Messaging Indicator field.

You must set up the language code cross-reference before running this initial data load.

You must also set up PeopleSoft Enterprise Learning Management Roles in the PeopleSoft EnterpriseOne system before running this initial load.

See [Chapter 36, “Setting Up Prerequisite Data for the Learning Management Integration,” Setting Up External System Roles in the PeopleSoft EnterpriseOne System, page 364.](#)

After you run this initial load, you must run the encrypt.dms script in PeopleSoft Enterprise Learning Management to permit users to log into the Learning Management system. The encrypt.dms script encrypts PeopleSoft Enterprise Learning Management passwords.

See PeopleSoft Enterprise PeopleTools 8.45 PeopleBook: Data Management, “Using PeopleSoft Data Mover,” Creating and Running PeopleSoft Data Mover Scripts.

This initial data load uses both the PSFT_E1 and the PSFT_LM nodes. You must ensure that the USER_PROFILE message is active under both of these nodes.

E1_Address_Book_To_E_Person

This initial data load sends employee data from these PeopleSoft EnterpriseOne tables:

- Employee Master Information (F060116).
- Address Book Master (F0101).
- Address Book - Who’s Who (F0111).
- Address Book - Phone Numbers (F0115).
- Electronic Address (F01151).
- Address by Date (F0116).

This initial data load sends the employee data to these PeopleSoft Enterprise Learning Management records:

- PS_LM_PERSON
- PS_LM_PERSON_EFFDT
- PS_LM_PERSON_NAME
- PS_LM_PERSON_PHONE
- PS_LM_PERSON_EMAIL

- PS_LM_PRESON_ADDR

You must specify search type *E* in the processing options of the Address Book Master Batch Load program in order to select only employees.

You must set up the language code cross-reference before running this initial data load.

E1_Employee_Master_To_E_Workforce

This initial data load sends employee data from the PeopleSoft EnterpriseOne Employee Master Information table (F060116) to these PeopleSoft Enterprise Learning Management tables:

- PS_LM_STG_PRS_JOB
- PS_LM_STG_PRS_ATT

You must set up these code cross-references before you run this initial data load:

- changereason
- shiftcode
- employmentstatus
- worktimestatus
- employeetype
- flsaexemptstatus
- jobcategory
- unioncode

After you run this initial data load, you must access the Load Person/Workforce Tables component in PeopleSoft Enterprise Learning Management and run the necessary processes to fully validate and load the data into the application tables.

Note. If an employee is added with a non-numeric pay status, the record is written to the PS_LM_PERSON record only. The PS_LM_PERSON_JOB and PS_LM_PERSON_ATTRB records are not written

See PeopleSoft 8.81 Enterprise Learning Management PeopleBook, “Managing Person and Organization Data,” Processing Staged Person and Workforce Data.

E1_Resource_Comp_To_E_Person_Comp

This initial data load sends competency data from the PeopleSoft EnterpriseOne Resource Competency table (F05100) to these PeopleSoft Enterprise Learning Management staging tables:

- PS_LM_STG_EVALS
- PS_LM_STG_LRNRCOMP

You must run the E1_To_E_Competency and E1_Scale_To_E_Rating_Model initial data loads before you run this initial data load because they create key cross references that are used by this initial data load.

After you run this initial load, you must run the Load Person Competency Tables function in PeopleSoft Enterprise to update the PS_LM_EVALS and PS_LM_LRNRCOMP tables.

Understanding the Incremental Synchronization of Master Data for the Learning Management Integration

After you have initially loaded master data from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management, you may need to sync up additions or changes to master data that occur in the PeopleSoft EnterpriseOne system.

Incremental sync integrations run automatically when you add or change integrated data in the PeopleSoft EnterpriseOne system.

This table describes the incremental syncs provided in this integration:

PeopleSoft EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	Message
RTAMOUT	notifyGLAccountEvent PublishDocument	E1_Accounts_To_E_Chartfields: convert_E1_Accounts_To_E_Chartfields	ACCOUNT_CHARTFIELD_SYNC
RTABOUT	notifyAddressBook PublishDocument	E1_Address_Book_To_E_LM_User_Profile: convert_E1_Address_Book_To_E_LM_User_Profile	LM_USER_PROFILE
RTPIOUT and RTABOUT	notifyPersonInformation EventPublishDocument or notifyAddressBook PublishDocument	E1_Address_Book_To_E_Person: convert_E1_Address_Book_To_E_Person_Sync	PERSON_BASIC_SYNC
RTBUOUT	notifyBusinessUnitEvent PublishDocument	E1_Business_Unit_To_E_Department: convert_E1_Business_Unit_To_E_Department	LM_DEPT_SYNC
RTJDOUT	notifyRoleCompetency EventPublishDocument	E1_Comp_Job_Desc_To_E_Role_Comp: convert_E1_Comp_Job_Desc_To_E_Role_Comp	ROLE_COMP_SYNC
RTCOOUT	notifyCompanyEvent PublishDocument	E1_Company_To_E_HR_Business_Unit: convert_E1_Company_To_E_HR_Business_Unit	BUS_UNIT_HR_SYNC
RTCOOUT	notifyCompanyEvent PublishDocument	E1_Company_To_E_GL_Business_Unit: convert_E1_Company_To_E_GL_Business_Unit	BUS_UNIT_GL_SYNC
RTCROUT	notifyCurrencyRateEvent PublishDocument	E1_Currency_Rates_To_E_Currency_Quote_Method: convert_E1_Currency_Rates_To_E_Currency_Quote_Method	CURR_QUOTE_MTHD_SYNC

PeopleSoft EnterpriseOne Realtime Event	Published Interface Document	Integration Service Flow	Message
RTCROUT	notifyCurrencyRateEvent PublishDocument	E1_Currency_Rates_To_E_Market_Rate_Definition: convert_E1_Currency_Rates_To_E_Market_Rate_Definition_Sync	MARKET_RATE_DEFN_SYNC
RTCROUT	notifyCurrencyRateEvent PublishDocument	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	MARKET_RATE_SYNC
RTEMOUT	notifyEmployeeMaster EventPublishDocument	E1_Employee_Master_To_E_Workforce: convert_E1_Employee_Master_To_E_Workforce	WORKFORCE_SYNC
RTJBUOUTB	notifyJobInBusinessUnit EventPublishDocument	E1_Job_In_BU_To_E_Position: convert_E1_Job_In_BU_To_E_Position	POSITION_SYNC
RTRCOUT	notifyResource Competency EventPublishDocument	E1_Resource_Comp_To_E_Person_Comp: convert_E1_Resource_Comp_To_E_Person_Comp	PERSON_COMPETENCY_SYNC
RTSLOUT	notifyScaleEventPublish Document	E1_Scale_To_E_Rating_Models: convert_E1_Scale_To_E_Rating_Models	RATING_MODEL_SYNC
RTCPOUT	notifyCompetencyEvent PublishDocument	E1_To_E_Competency: convert_E1_To_E_Competency	COMPETENCY_SYNC1
RTJBOUT	notifyJobCodePublish Document	E1_To_E_Jobcode: convert_E1_To_E_Jobcode	JOBCODE_SYNC
RTUPOUT	notifyUserPreference PublishDocument	E1_User_Preference_To_E_LM_User_Profile: convert_E1_User_Preference_To_E_LM_User_Profile	LM_USER_PROFILE

E1_Accounts_To_E_Chartfields

This incremental synchronization sends changes in account data from the PeopleSoft EnterpriseOne Account Master table (F0901) to the PeopleSoft Enterprise Learning Management Account ChartField table (PS_LM_CF_ACCOUNT).

E1_Address_Book_To_E_LM_User_Profile

This incremental synchronization sends changes in address book and user preference data from the PeopleSoft EnterpriseOne Address Book Master table (F0101), Library Lists - User table (F0092), and User Display Preferences table (F00921) to the PeopleSoft Enterprise Learning Management tables (PSROLEXLATOPRVW, PSOPRDEFN, PSOPRALIAS, PSROLEUSER_VW, RTE_CNTRL_USERVW, PSUSEREMAIL, and PS_LM_PERSON_OPRID).

Important! If the address book record that was added or changed in the PeopleSoft EnterpriseOne system is not associated with a valid PeopleSoft EnterpriseOne user preference record, this incremental synchronization does not send the data to PeopleSoft Enterprise Learning Management. However, an address book record may be associated with more than one user preference. This flow sends data to PeopleSoft Enterprise Learning Management for every user preference record that is associated with the address book record. Therefore, when an address book number record is added or changed in the PeopleSoft EnterpriseOne system, one or more user profile records might be added or changed in PeopleSoft Enterprise Learning Management.

You must set up the language code cross-reference before running this initial data load.

You must also set up PeopleSoft Enterprise Learning Management roles in the PeopleSoft EnterpriseOne system using the External System Roles program (P0805) before running this initial load. These roles are included in the data that is sent to PeopleSoft Enterprise Learning Management.

See [Chapter 36, “Setting Up Prerequisite Data for the Learning Management Integration,” Setting Up External System Roles in the PeopleSoft EnterpriseOne System, page 364.](#)

Note. PeopleSoft Enterprise Learning Management roles are sent from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management only when the action code within this flow is *A* (add). When the action code within this flow is *C* (change) or *D* (delete), roles are not sent.

Also, both users and roles are stored in the F0092 table. However, PeopleSoft EnterpriseOne roles are not sent to PeopleSoft Enterprise Learning Management; only PeopleSoft EnterpriseOne users are sent. If the User/Role field (UGRP) in the F0092 table contains the value **GROUP*, which indicates that the record is a role, the data is not sent.

Default passwords are resent to PeopleSoft Enterprise Learning Management each time this incremental synchronization run. If a learner logs into PeopleSoft Enterprise Learning Management and changes his or her password, it is likely that the password will be reset to the default password.

After this incremental synchronization completes, you must run the encrypt.dms script in PeopleSoft Enterprise Learning Management to permit users to log into the Learning Management system. The encrypt.dms script encrypts PeopleSoft Enterprise Learning Management passwords.

See PeopleSoft Enterprise PeopleTools 8.45 PeopleBook: Data Management, “Using PeopleSoft Data Mover,” Creating and Running PeopleSoft Data Mover Scripts.

When a PeopleSoft EnterpriseOne user preference record is deleted within the PeopleSoft EnterpriseOne system, the corresponding user profile records in PeopleSoft Enterprise Learning Management are locked.

E1_Address_Book_To_E_Person

This incremental synchronization sends changes in employee data from these PeopleSoft EnterpriseOne tables:

- Employee Master Information (F060116).
- Address Book Master (F0101).
- Address Book - Who’s Who (F0111).
- Address Book - Phone Numbers (F0115).
- Electronic Address (F01151).
- Address by Date (F0116).

Note. Email data is populated in the PERSON_BASIC_SYNC message only if the electronic address type in the F01151 table is *E* (email address).

Important! In the employee's Address Book record in PeopleSoft EnterpriseOne, the Alpha Name field must contain the name in the format lastname, firstname. If the name is not entered in this format, the PERSON_BASIC_SYNC message returns an error.

This incremental synchronization sends the employee data these PeopleSoft Enterprise Learning Management records:

- PS_LM_PERSON
- PS_LM_PERSON_EFFDT
- PS_LM_PERSON_NAME
- PS_LM_PERSON_PHONE
- PS_LM_PERSON_EMAIL
- PS_LM_PERSON_ADDR

You must set up the language code cross-reference before running this incremental synchronization.

E1_Business_Unit_To_E_Department

This incremental synchronization sends changes in business unit data from the PeopleSoft EnterpriseOne Business Unit Master table (F0006) to the PeopleSoft Enterprise Learning Management Department record (PS_LM_ORGANIZATION).

E1_Comp_Job_Desc_To_E_Role_Comp

This incremental synchronization sends changes in competency data from the PeopleSoft EnterpriseOne Organizational Business Unit/Job Cross-Reference table (F0800601) to the PeopleSoft Enterprise Learning Management Role Competency table (PS_LM_ROLE_COMPS).

This incremental synchronization functions differently from the other incremental synchronizations. To run this incremental synchronization, you must complete these steps:

1. After you have run the initial batch load of competency job descriptions by running the Batch Load Outbound Job Descriptions (R89F080601) program and the E1_Comp_Job_desc_To_E_Role_Comp integration flow, set the UCI (Use Job Competency Integration?) data item to *Yes* in the HRM Common Display Settings program (P05004).

Important! It is very important that you do not change the setting for the UCI data item until after the initial batch load of competency job descriptions has completed.

See *PeopleSoft EnterpriseOne Human Capital Management Application Fundamentals 8.11 SPI PeopleBook*, "Setting Up System Options," Setting Up Common Settings for Human Capital Management.

2. Schedule the Update External System Job Descriptions program (R080025) to run periodically and to ensure regular updates.

See PeopleSoft EnterpriseOne Tools 8.95 PeopleBook: System Administration, "Using the Scheduler Application."

The Update External System Job Descriptions program reads through the Job Description Changes Integration Work File table (F08JDWF1), rebuilds all competency based job descriptions that changed due to the changes in the tables, and then initiates the RTJDOUT realtime event.

Note. Competency based job descriptions are not integrated in realtime. The Integration Server does not receive the incremental changes until after the Update External System Job Descriptions program (R080025) runs. Also, the Effective Date processing option value should never contain a date that is previous to the last time the R080025 program was run. For example, if the R080025 program is run monthly, the Effective Date processing option for the current run should always be on or after the Effective Date processing option for the last run.

E1_Company_To_E_HR_Business_Unit

This incremental synchronization sends changes in company data from the PeopleSoft EnterpriseOne Company Master table (F0010) to PeopleSoft Enterprise Learning Management HR Business Units table (PS_LM_BUS_UNIT_TBL).

E1_Company_To_E_GL_Business_Unit

This incremental synchronization sends changes in company data from the PeopleSoft EnterpriseOne Company Master table (F0010) to the PeopleSoft Enterprise Learning Management HR Business Units table (PS_LM_BUS_UNIT_TBL).

E1_Currency_Rates_To_E_Currency_Quote_Method

This incremental synchronization sends changes in currency exchange rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Currency Quotation table (CURR_QUOTE_TBL).

E1_Currency_Rates_To_E_Market_Rate_Definition

This incremental synchronization sends changes in currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Market Rate Definition table (RT_RATE_DEF_TBL).

E1_Currency_Rates_To_E_Market_Rates

This incremental synchronization sends changes in currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Market Rate table (RT_RATE_TBL).

E1_Employee_Master_To_E_Workforce

This incremental synchronization sends changes in employee data from the PeopleSoft EnterpriseOne Employee Master Information table (F060116) to these PeopleSoft Enterprise Learning Management tables:

- PS_LM_PERSON
- PS_LM_PERSON_ATTRB

You must set up these code cross-references before you run this initial data load:

- changereason
- shiftcode
- employmentstatus
- worktimestatus

- employeetype
- flsaexemptstatus
- jobcategory
- unioncode

After you run this initial data load, you must access the Load Person/Workforce Tables component in PeopleSoft Enterprise Learning Management and run the necessary processes to fully validate and load the data into the application tables.

Note. If an employee is added with a non-numeric pay status, the record is written to the PS_LM_PERSON record only. The PS_LM_PERSON_JOB and PS_LM_PERSON_ATTRB records are not written

See PeopleSoft 8.81 Enterprise Learning Management PeopleBook, “Managing Person and Organization Data,” Processing Staged Person and Workforce Data.

E1_Job_In_BU_To_E_Position

This incremental synchronization sends changes in business unit data from the PeopleSoft EnterpriseOne Organizational Business Unit/Job Cross-Reference table (F0800601) to the PeopleSoft Enterprise Learning Management Positions (PS_LM_POSITION).

The position number that is written to the PS_LM_POSITION table is derived from a concatenation of the organizational business unit, job type, and job step from PeopleSoft EnterpriseOne.

E1_Resource_Comp_To_E_Person_Comp

This incremental synchronization sends changes in competency data from the PeopleSoft EnterpriseOne Resource Competency table (F05100) to these PeopleSoft Enterprise Learning Management tables:

- PS_LM_EVALS
- PS_LM_LRNR_COMP

E1_Scale_To_E_Rating_Models

This incremental synchronization sends changes in scale data from the PeopleSoft EnterpriseOne Scale Master table (F05103) or the Competency Levels table (F05119) to the PeopleSoft Enterprise Learning Management Rating Model table (PS_LM_RTNG_MDL_TBL) and Review Ratings table (PS_LM_RVW_RTNG_TBL).

You must set up the scale code cross-reference before running this incremental synchronization.

E1_To_E_Competency

This incremental synchronization sends changes in competency data from the PeopleSoft EnterpriseOne Competency Master table (F05104) to the PeopleSoft Enterprise Learning Management Objectives External Source table (PS_LM_OBJV_EXT_SRC), Objectives table (PS_LM_OBJV_TBL), and Objectives Detail table (PS_LM_OBJV_DTL).

You must set up the scale code cross-reference before running this initial data load.

You must also set up Objectives in the PeopleSoft Enterprise Learning Management system before running this incremental synchronization.

See PeopleSoft 8.81 Enterprise Learning Management PeopleBook, “Setting Up Objectives.”

E1_To_E_Jobcode

This incremental synchronization sends changes in job data from the PeopleSoft EnterpriseOne Job Information table (F08001) to the PeopleSoft Enterprise Learning Management Job Code table (PS_LM_JOBCODE_TBL).

E1_User_Preference_to_E_LM_User_Profile

This incremental synchronization sends changes in user preference data from the PeopleSoft EnterpriseOne Library Lists - User table (F0092), User Display Preferences table (F00921), Address Book Master table (F0101), and Electronic Address table (F01151) to the Enterprise Learning Management User Profile tables (PSROLEXATOPR, PSROLEXLATOPRVW, PSOPRDEFN, PSOPRALIAS, PSROLEUSER, PSROLEUSER_VW, PSUSEREMAIL, and PS_LM_PERSON_OPRID).

Important! If the user preference that was added or changed in the PeopleSoft EnterpriseOne system does not have a valid address book number, this incremental synchronization does not send the data to PeopleSoft Enterprise Learning Management.

You must set up the language code cross-reference before running this incremental synchronization.

You must also set up PeopleSoft Enterprise Learning Management roles in the PeopleSoft EnterpriseOne system using the External System Roles program (P0805) before running this initial load. These roles are included in the data that is sent to PeopleSoft Enterprise Learning Management.

See [Chapter 36, “Setting Up Prerequisite Data for the Learning Management Integration,” Setting Up External System Roles in the PeopleSoft EnterpriseOne System, page 364](#).

Note. PeopleSoft Enterprise Learning Management roles are sent from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Learning Management only when the action code within this flow is *A* (add). When the action code within this flow is *C* (change) or *D* (delete), roles are not sent.

Also, both users and roles are stored in the F0092 table. However, PeopleSoft EnterpriseOne roles are not sent to PeopleSoft Enterprise Learning Management; only PeopleSoft EnterpriseOne users are sent. If the User/Role field (UGRP) in the F0092 table contains the value **GROUP*, which indicates that the record is a role, the data is not sent.

Default passwords are resent to PeopleSoft Enterprise Learning Management each time this incremental synchronization run. If a learner logs into PeopleSoft Enterprise Learning Management and changes his or her password, it is likely that the password will be reset to the default password.

After this incremental synchronization completes, you must run the encrypt.dms script in PeopleSoft Enterprise Learning Management to permit users to log into the Learning Management system. The encrypt.dms script encrypts PeopleSoft Enterprise Learning Management passwords.

See PeopleSoft Enterprise PeopleTools 8.45 PeopleBook: Data Management, “Using PeopleSoft Data Mover,” Creating and Running PeopleSoft Data Mover Scripts.

This incremental synchronization uses both the PSFT_E1 and the PSFT_LM nodes. You must ensure that the USER_PROFILE message is active under both of these nodes.

When a PeopleSoft EnterpriseOne user preference record is deleted within the PeopleSoft EnterpriseOne system, the corresponding user profile records in PeopleSoft Enterprise Learning Management are locked.

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems are encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where you want the PeopleSoft EnterpriseOne table conversions to create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate realtime events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for the Update External System Job Descriptions Program (R080025)

Processing options enable you to specify the default processing for programs and reports.

Effective Date

Effective Date Specify the effective date for updates to job descriptions for the Learning Management integration.

Setting Processing Options for the Account Master Batch Load Program (R8909F0901)

Processing options enable you to specify the default processing for programs and reports.

Default

Date - From	Specify a date to select G/L accounts that were created or updated from that date forward. Leave this processing option blank to indicate that all dates are valid for selection.
Time - From	Specify a time to select a G/L accounts that were created or updated from that time forward. Leave this processing option blank to indicate that all times are valid for selection.
Business Unit - From	Specify the first business unit in a range of business units to select G/L accounts within that range. Leave this processing option and the Business Unit - To processing option blank to indicate that all business units are valid for selection. Leave only this processing option blank to indicate that all business units up to and including the business unit in the Business Unit -To processing option are valid for selection. Leave only the Business Unit - To processing option blank to indicate that all business units from and including the business unit in this processing option are valid for selection.
Business Unit - To	Specify the last business unit in a range of business units to select G/L accounts within that range.

Leave this processing option and the Business Unit - From processing option blank to indicate that all business units are valid for selection. Leave only this processing option blank to indicate that all business units from and including the business unit in the Business Unit - From processing option are valid for selection. Leave only the Business Unit - From processing option blank indicate that all business units up to and including the business unit in this processing option are valid for selection.

Object Account - From

Specify the first object account in a range of object accounts to select G/L accounts within that range.

Leave this processing option and the Object Account - To processing option blank to indicate that all object accounts are valid for selection. Leave only this processing option blank to indicate that all object accounts up to and including object account in the Object Account - To processing option are valid for selection. Leave only the Object Account - To processing option blank to indicate that all object accounts from and including the object account in this processing option are valid for selection.

Object Account - To

Specify the last object account in a range of object accounts to select G/L accounts within that range.

Leave this processing option and the Object Account - From processing option blank to indicate that all object accounts are valid for selection. Leave only the Object Account - From processing option blank to indicate that all object accounts up to and including the object account in this processing option are valid for selection. Leave only this processing option blank to indicate that all object accounts from and including the object account in the Object Account - From processing option are valid for selection.

Subsidiary

Specify a subsidiary to select G/L accounts for that subsidiary only. Leave this processing option blank to indicate that all subsidiaries are valid for selection.

Setting Processing Options for the Business Unit Batch Load Program (R8900F0006)

Processing options enable you to specify the default processing for programs and reports.

Default**Date - From**

Specify the beginning date of a valid range of dates that the table conversion should use to select records. If you leave this processing option blank, the table conversion selects all records in the table.

Time - From

Specify the beginning time of a valid time range. This processing option works with the Date - From processing option to build data selection that the table conversion uses to select records from tables.

Setting Processing Options for the Batch Load Outbound Job Descriptions Program (R89F080601)

Processing options enable you to specify the default processing for programs and reports.

Select

- 1. Enter the effective date of the job descriptions** Specify the effective date of the job descriptions. Leave this processing option blank to use the system date.

Setting Processing Options for the Currency Exchange Batch Upload Program (R8900F0015)

Processing options enable you to specify the default processing for programs and reports.

Date

- Enter Date - Effective for Exchange Rates** Specify the effective date of the exchange rates. Leave this processing option blank to use the system date.

Setting Processing Options for the User Profile Batch Load Program (R89F0092B)

Processing options enable you to specify the default processing for programs and reports.

Select

- 1. Search Type** Specify an address book search type. Only users who have address book records with the search type you specify have records written to the flat file. If you leave this processing option blank, all users who have a valid address book record have records written to the flat file. Values are stored in UDC 01/ST.

Process

- 1. Electronic Address Type** Specify an electronic address type from UDC 01/ET. This processing option is used with the Messaging Indicator processing option to select a primary email address for each user. The first email address record within the Electronic Address table (F01151) that has values that match the Electronic Address Type and Messaging Indicator processing options is selected. If you leave this processing option blank, the system selects records with an electronic address type of *E* (external email).
- 2. Messaging Indicator** Specify a messaging indicator from UDC 01/HI. This processing option is used with the Electronic Address Type processing option to select a primary email address for each user. The first email address record within the Electronic Address table (F01151) that has values that match the Electronic Address Type and Messaging Indicator processing options is selected.

Running Batch Integrations in the Integration Server for the Learning Management Integration

Use PeopleSoft EnterpriseOne WSG Integration Server or WSG Developer to invoke the batch integrations. The initial batch loads contain services, which perform the necessary data transformations and export XML files that the PeopleSoft Enterprise Learning Management system can receive.

Note. The initial batch loads for the Learning Management integration typically contain a header service, a convert service, and a trailer service. The header service initializes the PeopleSoft Enterprise Learning Management system to receive the data related to the flow. The convert service sends the data to the PeopleSoft Enterprise Learning Management system. The trailer service performs any actions required to finalize the flow. The services must be run in the order header, convert, trailer.

To run the batch integrations manually, invoke these services:

Navigation	Services
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Hardcodes_To_E_Journal_Generator	- header_E1_Hardcodes_To_E_Journal_Generator - convert_E1_Hardcodes_To_E_Journal_Generator - trailer_E1_Hardcodes_To_E_Journal_Generator
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Company_To_E_GL_Business_Unit	- header_E1_Company_To_E_GL_Business_Unit - convert_E1_Company_To_E_GL_Business_Unit - trailer_E1_Company_To_E_GL_Business_Unit
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Company_To_E_HR_Business_Unit	- header_E1_Company_To_E_HR_Business_Unit - convert_E1_Company_To_E_HR_Business_Unit - trailer_E1_Company_To_E_HR_Business_Unit
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_To_E_Market_Rate_Type	- header_E1_To_E_Market_Rate_Type - convert_E1_To_E_Market_Rate_Type - trailer_E1_To_E_Market_Rate_Type
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Hardcodes_To_E_Market_Rate_Index	- header_E1_Hardcodes_To_E_Market_Rate_Index - convert_E1_Hardcodes_To_E_Market_Rate_Index - trailer_E1_Hardcodes_To_E_Market_Rate_Index
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Currency_Rates_To_E_Market_Rates	- header_E1_Currency_Rates_To_E_Market_Rates - convert_E1_Currency_Rates_To_E_Market_Rates - trailer_E1_Currency_Rates_To_E_Market_Rates
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Currency_Rates_To_E_Market_Rate_Definition	- header_E1_Currency_Rates_To_E_Market_Rate_Definition - convert_E1_Currency_Rates_To_E_Market_Rate_Definition - trailer_E1_Currency_Rates_To_E_Market_Rate_Definition

Navigation	Services
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Currency_Rates_To_E_Currency_Quote_Method	- header_E1_Currency_Rates_To_E_Currency_Quote_Method - convert_E1_Currency_Rates_To_E_Currency_Quote_Method - trailer_E1_Currency_Rates_To_E_Currency_Quote_Method
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Accounts_To_E_Chartfields	- header_E1_Accounts_To_E_Chartfields - convert_E1_Accounts_To_E_Chartfields - trailer_E1_Accounts_To_E_Chartfields
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_Jobcodes_To_E_ELMJobcodes	- header_E1_Jobcodes_To_E_ELMJobcodes - convert_E1_Jobcodes_To_E_ELMJobcodes - trailer_E1_Jobcodes_To_E_ELMJobcodes
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_Job_In_BU_To_E_Position	- header_E1_Job_In_BU_To_E_Position - convert_E1_Job_In_BU_To_E_Position - trailer_E1_Job_In_BU_To_E_Position
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_Business_Unit_To_E_Department	- header_E1_Business_Unit_To_E_Department - convert_E1_Business_Unit_To_E_Department - trailer_E1_Business_Unit_To_E_Department
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_Scale_To_E_Rating_Models	- header_E1_Scale_To_E_Rating_Models - convert_E1_Scale_To_E_Rating_Models - trailer_E1_Scale_To_E_Rating_Models
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_To_E_Competency	- header_E1_To_E_Competency - convert_E1_To_E_Competency - trailer_E1_To_E_Competency
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_Comp_Job_Desc_To_E_Role_Comp	- header_E1_Comp_Job_Desc_To_E_Role_Comp - convert_E1_Comp_Job_Desc_To_E_Role_Comp - trailer_E1_Comp_Job_Desc_To_E_Role_Comp
PSFT_EnterpriseOne_ELM, Human Resources, InitialBatchLoads, E1_User_Preference_to_E_LM_User_Profile	convert_E1_User_Preference_To_E_User_Profile Note. It is not necessary to run a header or trailer service in conjunction with this service. The convert_E1_User_Preference_To_E_User_Profile service is different from other initial batch loads for the Learning Management integration because it actually calls a series of LM_USER_PROFILE sync messages. One LM_USER_PROFILE sync messages is sent to PeopleSoft Enterprise Learning Management for every user profile record.

Navigation	Services
PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Address_Book_To_E_Person	convert_E1_Address_Book_To_E_Person Note. The PERSON_BASIC_FULLSYNC EIP does not require header and trailer components.
PSFT_EnterpriseOne_ELM, Human_Resources, InitialBatchLoads, E1_Employee_Master_To_E_Workforce	convert_E1_Employee_Master_To_E_Workforce Note. The WORKFORCE_FULLSYNC EIP does not require header and trailer components.
PSFT_EnterpriseOne_ELM, Human_Resources, InitialBatchLoads, E1_Resource_Comp_To_E_Person_Comp	• header_E1_Resource_Comp_To_E_Person_Comp • convert_E1_Resource_Comp_To_E_Person_Comp • trailer_E1_Resource_Comp_To_E_Person_Comp

See Also

webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services

CHAPTER 37

Using the PeopleSoft Enterprise Learning Management with PeopleSoft EnterpriseOne Integration

This chapter discusses how to:

- Send PeopleSoft Enterprise Learning Management data objectives to PeopleSoft EnterpriseOne competencies.
- Transmit chargeback data from PeopleSoft Enterprise Learning Management to PeopleSoft EnterpriseOne General Accounting.

Sending PeopleSoft Enterprise Learning Management Data Objectives to PeopleSoft EnterpriseOne Competencies

This section provides an overview of the objectives to competencies process and discusses how to:

- Run the Inbound Resource Competency Transaction Program (R05100Z1).
- Set processing options for the Inbound Resource Competency Transaction Program (R05100Z1).

Understanding the Objectives to Competencies Process

Whenever objectives data changes in the PeopleSoft Enterprise Learning Management system, the system sends the LM_HR_LRN_R_OBJECTIVES_SYNC message, which is received by the Integration Server. The Integration Server then inserts the data in the Resource Competencies Unedited Transactions File table (F05100Z1). A PeopleSoft EnterpriseOne user runs the Inbound Resource Competency Transaction program (R05100Z1) to validate the data and update the Resource Competencies table (F05100).

Form Used to Process Competency Data in the PeopleSoft EnterpriseOne System

Form Name	FormID	Navigation	Usage
Manage Resource Competencies	W05100ZA	Periodic Processing (G08BELM01), Manage Resource Competencies	Edit data in the F05100Z1 table that was not validated properly by the Inbound Resource Competency Transaction program (R05100Z1).

Running the Inbound Resource Competency Transaction Program (R05100Z1)

Select Periodic Processing (G08BELM01), Update Resource Competencies.

Setting Processing Options for the Inbound Resource Competency Transaction Program (R05100Z1)

Processing options enable you to specify the default processing for programs and reports.

Do not modify PeopleSoft EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

Display

1. Display Successfully Processed Records	Enter <i>1</i> to print all records. Enter <i>0</i> or leave this processing option blank to print only the unsuccessful records.

Process

1. Competency Update Event Code	Enter a code from UDC 05/CU to specify the type of user that has access to employee competency information. This code also corresponds to a code that you entered in the Competency Update Event Code field in the Competency Update Events program (P05106). You use this processing option in conjunction with the Competency Update Events program to control access to the Competency Level field for specific types of users. You set up different versions of the Resource Competency Information program for each type of user. For example, you might define a Competency Update Event Code called Train that you use to represent your organization's training manager. You can use the Competency Update Events program to grant Train the ability to update competency levels for all training competencies. You then set up a version of the Resource Competency Information program for Train.
2. Update Competency Level	Enter <i>1</i> to update the competency level in the final table even though the level in the batch file is less than the existing level. Enter <i>0</i>, or leave this processing option blank, if you do not want to update the competency level in the final table when the level in the batch file is less than the existing level. The system prints an error instead.
3. Update Expiration Date	Enter <i>1</i> to update the competency expiration date in the final table even though the expiration date in the batch file predates the existing expiration date. Enter <i>0</i>, or leave this processing option blank, if you do not want to update the competency expiration date in the final table when the expiration date in the batch file predates the existing expiration date. The system prints an error instead.
4. Process Mode	Enter <i>1</i> to process the batch in final mode; files are updated. Enter <i>0</i>, or leave this processing option blank, to process the batch in proof mode; files are not updated.

5. Purge Successfully Processed Records

Enter *1* to automatically purge processed transactions from the batch file. Enter *0*, or leave this processing option blank, if you want processed transactions to be flagged as processed and not be purged from the batch file.

Transmitting Chargeback Data from PeopleSoft Enterprise Learning Management to PeopleSoft EnterpriseOne General Accounting

This section provides an overview of the chargeback process and discusses how to:

- Run the Journal Entries Batch Processor program (R09110Z).
- Run the General Ledger Post program (R09801).

Understanding the Chargeback Process

The LM_ACCTG_LN Outbound application message is initiated each time you run the Application Engine process that transmits chargeback data to a financials system. This message sends the accounting lines from PeopleSoft Enterprise Learning Management to PeopleSoft EnterpriseOne Financials. This message is initiated when you run the Export Accounting Entry to GL Application Engine process (LM_FI_GL_INTFC).

See PeopleSoft Enterprise Learning Management 8.81 PeopleBook, “Tracking Enrollment and Registration Fees,” Sending Chargeback Data to the General Ledger.

The Integration Server receives the LM_ACCTG_LN message and inserts the data in the Journal Entry Batch table (F0911Z1). The Integration Server determines whether the insert was successful and posts LM_ACCTG_LN reply message to the PeopleSoft Enterprise system.

A PeopleSoft EnterpriseOne user runs the Journal Entries Batch Processor program (R09110Z) to validate the data and update the Account Ledger table (F0911). A PeopleSoft EnterpriseOne user then runs the G/L Post program (R09801) to post the F0911 records to the F0902 table.

Forms Used to Process Chargeback Data in PeopleSoft EnterpriseOne General Accounting

Form Name	FormID	Navigation	Usage
Work With Store & Forward Journal Entries	W0911Z1B	Batch Journal Entry Processing (G09311), Journal Entry Revisions	Locate and review records in the Journal Entry Transactions - Batch File table (F0911Z1).
Store & Forward Journal Entry Revisions	W0911Z1A	Locate a record and click Select on the Work With Store & Forward Journal Entries form.	Review and revise detail information for records in the F0911Z1 table.
Work With Journal Entries	W0911I	Journal Entry, Reports, & Inquiries (G0911), Journal Entry	Add, change, or review records in the F0911 table.

Running the Journal Entries Batch Processor Program (R09110Z)

Select Batch Journal Entry Processing (G09311), Journal Entries Batch Processor.

You should run the Journal Entries Batch Processor program (R09110Z) in proof mode to validate the data that was inserted in the Journal Entry Transactions - Batch File table (F0911Z1). Correct any errors in the F0911Z1 table, and then run the Journal Entries Batch Processor program in final mode.

Use data selection based on a range of batch numbers and the transaction number to process the transactions that originated in the PeopleSoft Enterprise Learning Management system.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Batch Journal Entries,” Uploading Batch Journal Entry.

Running the General Ledger Post Program (R09801)

Select Journal Entry, Reports, & Inquiries (G0911), General Ledger Post.

If you did not set the processing options on the Journal Entries Batch Processor program (R09110Z) to post journal entries to the Account Balances table (F0902), run the General Ledger Post program (R09801) to post the journal entries.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Journal Entries,” Posting Journal Entries.

PART 10

Shared Services Integrations

Chapter 38

Understanding Shared Services

Chapter 39

Setting Up the Item Master Integration

Chapter 40

Setting Up Prerequisite Data for the Item Master Integration

Chapter 41

Using the Shared Services Item Master Integration

CHAPTER 38

Understanding Shared Services

This chapter discusses:

- Release levels.
- Shared services model.
- Shared services item master integration.
- Shared services item master integration architecture.
- Integration points for the shared services item master integration.
- Field structure comparison between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.
- Assumptions for implementing the shared services item master integration.

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 Inventory Management and PeopleSoft Enterprise 8.9 FSCM.

The Shared Service Model

Shared services is the concentration of company functions and resources to perform similar activities across the organization to provide a higher degree of service and lower total cost. It is geared toward tighter management and tighter control of key assets resulting in improved compliance, error reduction, and reduced risk.

The shared services model enables a company to run corporate-wide activities using the PeopleSoft Enterprise system and plant-level activities using the PeopleSoft EnterpriseOne system.

The Shared Services Item Master Integration

The Shared Services Item Master integration promotes tight control of inventory items across an organization's branch plants or business units. This approach improves the buying power of the organization and increases the visibility of items used across branch plants.

With the Shared Services Item Master integration, you can maintain items at the corporate level using the PeopleSoft Enterprise system, and push that information to branch plants using the PeopleSoft EnterpriseOne system.

The major tasks involved in the Shared Services Item Master integration are:

- Setting up integration options and code cross-referencing in the PeopleSoft EnterpriseOne WSG soft-coding/cross-reference database.
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading PeopleSoft Enterprise items into PeopleSoft EnterpriseOne tables.
- Synchronizing incremental changes in PeopleSoft Enterprise items with the PeopleSoft EnterpriseOne system.

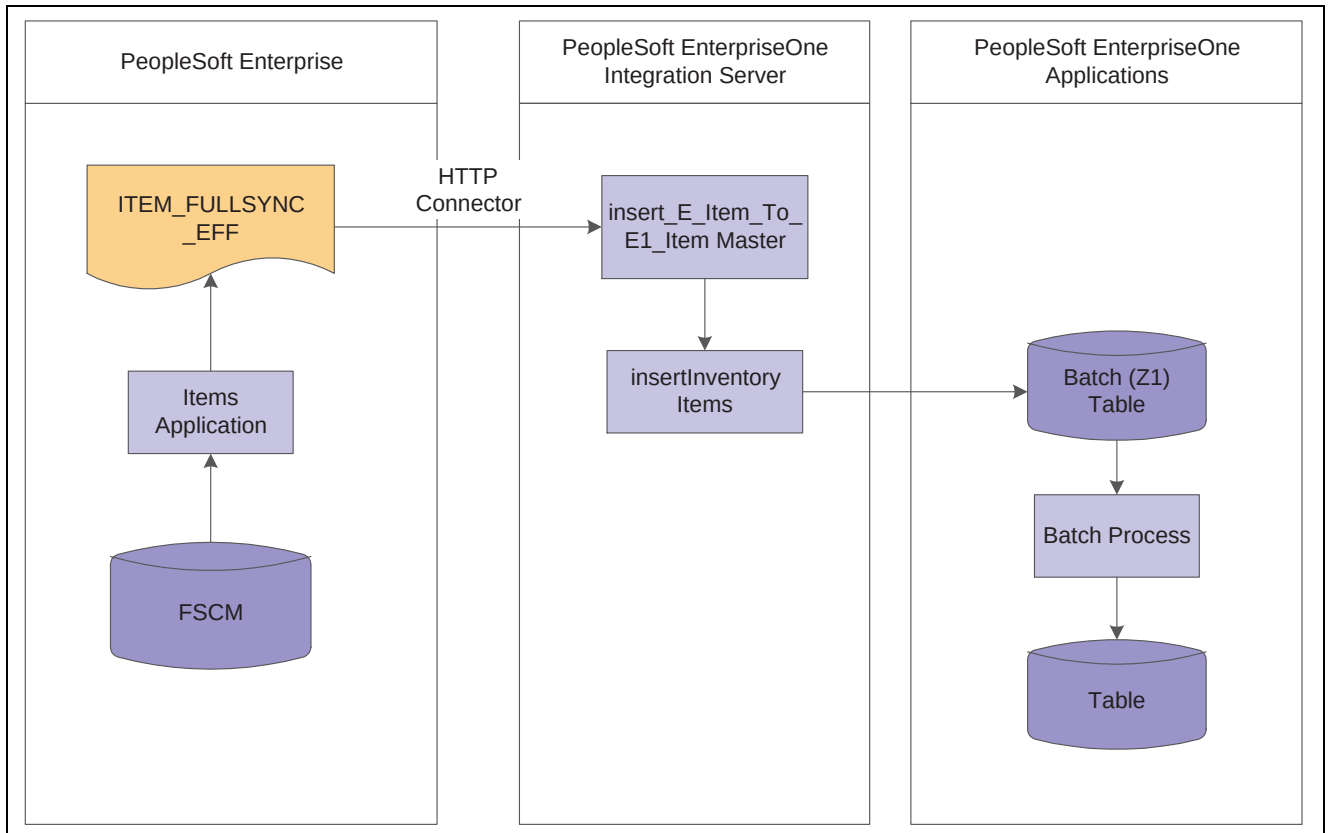
Shared Services Item Master Integration Architecture

This section discusses the integration architecture for the:

- Initial load of items.
- Incremental synchronization of items.

Integration Architecture for the Initial Load of Items

This diagram illustrates the initial load of items from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system:



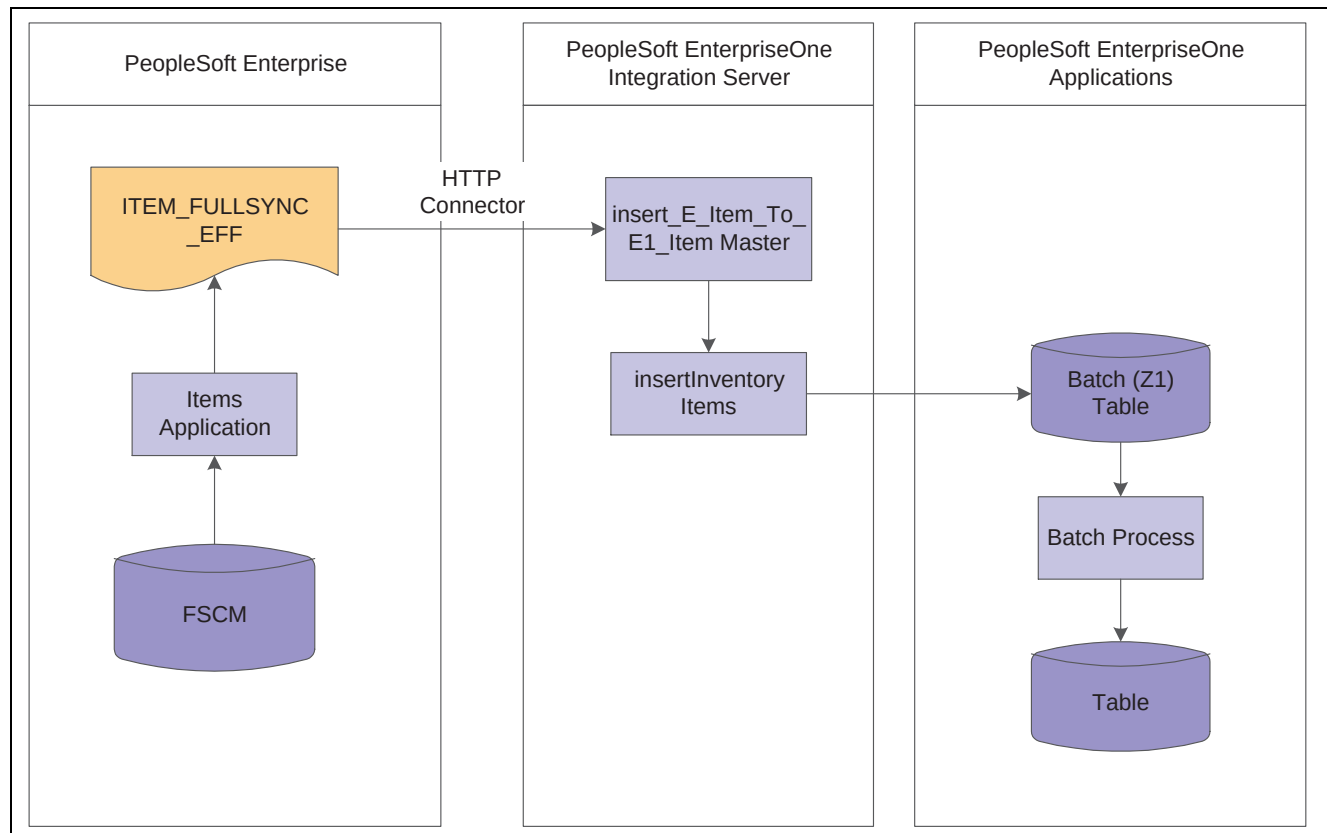
Initial load of items process

The initial load of items from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these steps:

1. The PeopleSoft Enterprise user publishes full item information using the ITEM_FULLSYNC_EFF message.
2. The E_Item_To_E1_ItemMaster.insert_E_Item_To_E1_ItemMaster integration service receives the message and invokes the insertInventoryItems interface flow, which inserts records directly into the F4101 Item Master Unedited Transaction Table (F4101Z1).
3. The PeopleSoft EnterpriseOne user runs the Item Master Unedited Transactions Inbound Processor program (R4101Z1I) to move the records from the F4101Z1 table to the Item Master table (F4101).

Integration Architecture for the Incremental Synchronization of Items

This diagram illustrates the incremental synchronization of items from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system:



Incremental synchronization of items process

The incremental synchronization of items from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system consists of these steps:

1. The PeopleSoft Enterprise user activates the ITEM_SYNC_EFF message.
This is a one-time setup step.
2. The PeopleSoft Enterprise system automatically publishes the ITEM_SYNC_EFF message when a user adds or changes an item.
3. The E_Item_To_E1_ItemMaster.process_E_Item_To_E1_ItemMaster integration service receives the message and invokes the processInventoryItem interface flow, which inserts the record directly into the Item Master table (F4101).

Integration Points for the Shared Services Item Master Integration

This table lists the integration points used in this integration and provides a brief description of each:

PeopleSoft Enterprise Message Name	Integration Flow	PeopleSoft EnterpriseOne Interface Flow	Description
ITEM_FULLSYNC_EFF	E_Item_To_E1_ItemMaster: insert_E_Item_To_E1_ItemMaster	insertInventoryItems	The PeopleSoft Enterprise system sends an initial load of items to the PeopleSoft EnterpriseOne F4101 Item Master Unedited Transaction Table (F4101Z1).
ITEM_SYNC_EFF	E_Item_To_E1_ItemMaster: process_E_Item_To_E1_ItemMaster	processInventoryItem	The PeopleSoft Enterprise system sends incremental updates of items to the PeopleSoft EnterpriseOne Item Master table (F4101).

Field Structure Comparison Between the PeopleSoft Enterprise System and the PeopleSoft EnterpriseOne System

This table summarizes corresponding field structure for items in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system:

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	Comments
	Item Number - Short (ITM)	The value in this field is generated by Next Numbers when the item record is created in the PeopleSoft EnterpriseOne system. No corresponding field exists in the PeopleSoft Enterprise system.
Item ID (INV_ITEM_ID)	2nd Item Number (LITM)	The PeopleSoft Enterprise field is 18 characters and is mapped directly to the 25 character string in the PeopleSoft EnterpriseOne system.
Description (DESCR60)	Description - Line 1 (DSC1) and Description - Line 2 (DSC2)	The Description field from the PeopleSoft Enterprise system is parsed and placed into the two PeopleSoft EnterpriseOne Description fields. The first 30 characters are placed in the Description - Line 1 field, and the second 30 characters are placed in the Description - Line 2 field.
Standard Unit of Measure (UNIT_MEASURE_STD)	Unit of Measure - Primary (UOM1)	The user must set up a code cross-reference between the PeopleSoft Enterprise codes and the PeopleSoft EnterpriseOne codes.

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	Comments
Weight UOM (UNIT_MEASURE_WT)	Unit of Measure - Weight (UWUM)	The user must set up a code cross-reference between the PeopleSoft Enterprise codes and the PeopleSoft EnterpriseOne codes.
Volume UOM (UNIT_MEASURE_VOL)	Unit of Measure – Volume (UVM1)	The user must set up a code cross-reference between the PeopleSoft Enterprise codes and the PeopleSoft EnterpriseOne codes.
	Category - G/L (GLPT)	This field does not exist in the PeopleSoft Enterprise system. It is populated in the PeopleSoft EnterpriseOne system by the value in the G/L Class Code integration option.
Shipping Serial Control (SHIP_SERIAL_CNTRL) Lot Control (LOT_CONTROL)	Layer Code - Source (SRCE)	If the Shipping Serial Control field in the PeopleSoft Enterprise system is set to 1, a value of 4 is mapped to the Layer Code - Source field in the PeopleSoft EnterpriseOne system. If the Lot Control field in the PeopleSoft Enterprise system is set to 1, a value of 3 is mapped to the Layer Code - Source field in the PeopleSoft EnterpriseOne system. If both of these conditions are met, the Lot Control field in the PeopleSoft Enterprise system takes precedence.
Grade (INV_PROD_GRADE)	Standard Grade (STDG)	The user must set up a code cross-reference between the PeopleSoft Enterprise codes and the PeopleSoft EnterpriseOne codes. Note. This field is included only in the batch load of items.
Inventory Item (INVENTORY_ITEM)	Stocking Type (STKT)	If the value in the PeopleSoft Enterprise field is Y, the value from the Active Item Stocking Type Code integration option is used to populate the PeopleSoft EnterpriseOne field.
	Line Type (LNTY)	This field does not exist in the PeopleSoft Enterprise system. It is populated in the PeopleSoft EnterpriseOne system by the value in the Line Type Code integration option.

PeopleSoft Enterprise Field	PeopleSoft EnterpriseOne Field	Comments
Serial Control (SERIAL_CONTROL)	Serial Number Required (SRNR)	The one-character PeopleSoft Enterprise field maps directly to the one-character PeopleSoft EnterpriseOne field.
Shelf Life (Days) (SHELF_LIFE)	Days - Shelf Life Days (SLD)	The PeopleSoft Enterprise field is 4 characters and is mapped directly to the 6 character string in the PeopleSoft EnterpriseOne system.

Assumptions for Implementing the Shared Services Item Master Integration

When you implement the Shared Services Item Master integration, you should be aware of these assumptions:

- The PeopleSoft Enterprise system is the system of record for inventory items.
- Item price and item cost information is not integrated; it must be entered manually in the PeopleSoft EnterpriseOne system.
- This integration supports only items with a status of *Active* or *Discontinue* in the PeopleSoft Enterprise system.

If you change the status of an item in the PeopleSoft Enterprise system to *Discontinue*, the integration changes the stocking type of the item in the PeopleSoft EnterpriseOne system to *U* (Obsolete - Use Up). Changes to other statuses do not produce any changes in the PeopleSoft EnterpriseOne system.

CHAPTER 39

Setting Up the Item Master Integration

This chapter discusses how to:

- Set up the Shared Services Item Master integration in the PeopleSoft Enterprise database.
- Set up the Shared Services Item Master integration in the Integration Server.

Setting Up the Shared Services Item Master Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discusses how to:

- Activate message channels for the Shared Services Item Master integration.
- Activate messages for the Shared Services Item Master integration.
- Set up integration transactions for the Shared Services Item Master integration.
- Add channels to permissions for the Shared Services Item Master integration.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise Financials/SCM database:

- Set up the local gateway in the PeopleSoft Enterprise Financials/SCM database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 message node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Activating Message Channels for the Shared Services Item Master Integration

Verify that the ITEM_MAINTENANCE message channel has a message channel status of *Run*.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Activating Messages for the Shared Services Item Master Integration

Verify that these messages are active:

- ITEM_FULLSYNC_EFF
- ITEM_SYNC_EFF

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Setting Up Integration Transactions for the Shared Services Item Master Integration

You must activate these nodes and their associated transactions:

Node Name	Transaction Name	Version	Transaction Type	Routing Type
PSFT_E1	ITEM_FULLSYNC_EFF	VERSION_1	OutAsync	Implicit
PSFT_E1	ITEM_SYNC_EFF	VERSION_1	OutAsync	Implicit

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Adding Channels to Permissions for the Shared Services Item Master Integration

To send item information from the PeopleSoft Enterprise system, you must set the channel permissions for the ITEM_MAINTENANCE channel.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Adding Channels to Permissions, page 17.](#)

Setting Up the Shared Services Item Master Integration in the Integration Server

This section lists a prerequisite and discusses how to set up integration options for the Shared Services Item Master integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

Setting Up Integration Options for the Shared Services Item Master Integration

This table lists integration options used by the E_Item_To_E1_ItemMaster integration flow:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SCM	Active Item Stocking Type Code	Specify the stocking type to be assigned to active items in the PeopleSoft EnterpriseOne system. This integration option is used for both the initial load and the incremental synchronization of items. The default value is <i>S</i>.
PSFT_EnterpriseOne_SCM	Discontinued Item Stocking Type Code	Specify the stocking type to be assigned to discontinued items in the PeopleSoft EnterpriseOne system. This integration option is used for both the initial load and the incremental synchronization of items. The default value is <i>U</i>.
PSFT_EnterpriseOne_SCM	EnterpriseOne Item Master Version	The version of the Item Master program (P4101) to use when creating or modifying an item record during the incremental synchronization of items. The record is created or modified in the PeopleSoft EnterpriseOne system using the processing option settings of the version that you specify. The default value is <i>ZJDE0001</i>.
PSFT_EnterpriseOne_SCM	G/L Class Code	Enter the value used to populate the Category – G/L (GLPT) field in the PeopleSoft EnterpriseOne system. This integration option is used for both the initial load and the incremental synchronization of items. This value is an example: <i>IN20</i>.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_SCM	Line Type Code	Enter the line type that you use to distinguish stock items in the PeopleSoft EnterpriseOne system. This integration option is used for both the initial load and the incremental synchronization of items. The default value is <i>S</i>.
PSFT_EnterpriseOne_SCM	Set ID	Enter the default setID for item entries. This integration option is used for both the initial load and the incremental synchronization of items. This value is an example: <i>SHARE</i>.

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 40

Setting Up Prerequisite Data for the Item Master Integration

This chapter discusses how to set up cross-references for the Shared Services Item Master integration.

Setting Up Cross-References for the Shared Services Item Master Integration

This section discusses how to set up code cross-references for the Shared Services Item Master integration.

Setting Up Code Cross-References for the Shared Services Item Master Integration

You set up code cross-references to enable the system to reconcile the values used in the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You set up code cross-references in the PeopleSoft EnterpriseOne WSG Cross-Reference database using WSG Developer. Specify the PeopleSoft Enterprise value as the Native Code and the PeopleSoft EnterpriseOne value as the Canonical Code, for example:

Application ID	Object ID	Native (PeopleSoft Enterprise) Code	Canonical (PeopleSoft EnterpriseOne) Code
EnterpriseOne	unitofmeasure	BOX	BX
EnterpriseOne	unitofmeasure	DOZ	DZ
EnterpriseOne	unitofmeasure	EA	EA
EnterpriseOne	unitofmeasure	GAL	GA
EnterpriseOne	unitofmeasure	KG	KG
EnterpriseOne	unitofmeasure	LBS	LB
EnterpriseOne	itemgrade	1	A01
EnterpriseOne	itemgrade	2	A02
EnterpriseOne	itemgrade	3	A03

Note. This table is intended as an example only and does not contain a comprehensive list of field values.

CHAPTER 41

Using the Shared Services Item Master Integration

This chapter discusses how to run the initial load of items.

Note. The incremental synchronization of items happens automatically when a PeopleSoft Enterprise user adds or changes an item record, as long as the ITEM_SYNC_EFF message is active. No special user interaction is required.

Running the Initial Load of Items

This section discusses how to:

- Instigate the initial load of items in the PeopleSoft Enterprise system.
- Move item records to the Item Master table in the PeopleSoft EnterpriseOne system.

Page Used to Run the Initial Load of Items

Access this page in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Full Data Publish	EO_FULLDATAPUB	Enterprise Components, Integration Definitions, Initiate Processes, Full Data Publish	Create the run control for the Full Data Publish utility to run the full data publish using the ITEM_FULLSYNC_EFF message.

Instigating the Initial Load of Items in the PeopleSoft Enterprise System

Access the Full Data Publish page.

Request ID	Enter request IDs to group the Description, Process Frequency, and Message Name parameters under one unique process request. A single run control ID can encompass multiple request IDs.
Process Frequency	Select <i>Once</i> .
Message Name	Specify ITEM_FULLSYNC_EFF.

See Also

PeopleSoft Enterprise Components for PeopleSoft Enterprise Financial Management Solutions, Enterprise Service Automation, Asset Lifecycle Management, and Supply Chain Management 8.9 PeopleBook, Enterprise Integration, “Using the Effective Date Publish Utility,”

Moving Item Records to the Item Master Table in the PeopleSoft EnterpriseOne System

Select Inventory Interoperability (G41313), Item Master Inbound Transaction Process.

See Also

PeopleSoft EnterpriseOne Application Fundamentals Interoperability 8.11 SPI PeopleBook, “Processing Interoperability for Inventory Management,” Running the Inbound Processing Programs

PART 11

Integrating PeopleSoft Enterprise Internal Controls Enforcer with the PeopleSoft EnterpriseOne System

Chapter 42

Understanding the Internal Controls Enforcer Integration

Chapter 43

Setting up the Internal Controls Enforcer Integration in the Integration Server

CHAPTER 42

Understanding the Internal Controls Enforcer Integration

This chapter discusses:

- Release levels.
- Integration architecture for the Internal Controls Enforcer integration.
- Diagnostics for the Internal Controls Enforcer integration.

See Also

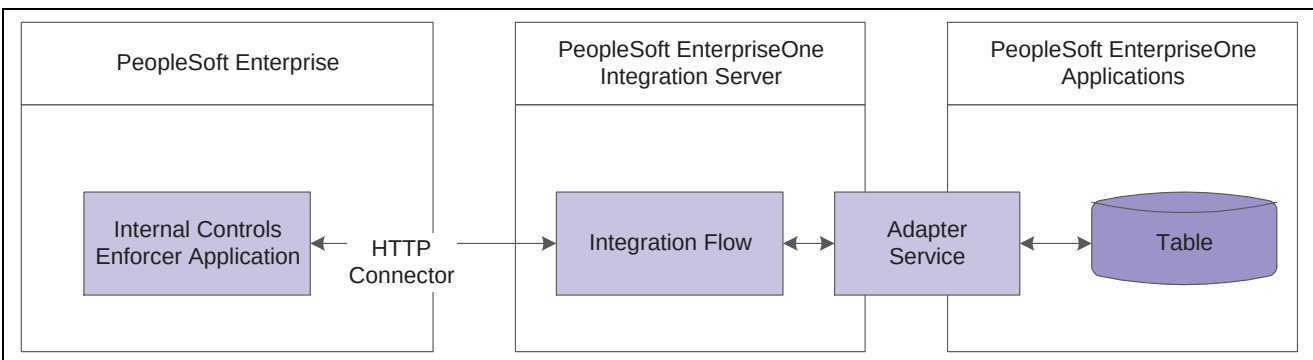
PeopleSoft Enterprise Internal Controls Enforcer 8.9 PeopleBook, “Establishing and Maintaining Diagnostics.”

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 General Ledger and PeopleSoft Enterprise 8.8 Internal Controls Enforcer.

Integration Architecture for the Internal Controls Enforcer Integration

This diagram illustrates the Internal Controls Enforcer integration:



Internal Controls Enforcer integration process

The Internal Controls Enforcer integration process consists of these steps:

1. The Internal Controls Enforcer user runs a diagnostic, which causes the Internal Controls Enforcer to send a HTTP request to the Integration Server.
2. An Integration Flow receives the request and calls an adapter service.
3. The adapter queries the PeopleSoft EnterpriseOne database and returns a reply string.
4. The Integration Flow receives the reply and returns it to the Internal Controls Enforcer using HTTP.

Diagnostics for the Internal Controls Enforcer Integration

This section lists the integration points for the Internal Controls Enforcer integration and discusses these delivered diagnostics:

- Journal Options
- Accounts Receivable Aging Settings
- Credit Limits
- Write Off Audit
- Accounts Payable Match Audit
- Accounts Payable Match Audit Processing Options
- Duplicate Invoice Check
- Duplicate Invoice Check Processing Options
- Get Expense Approval
- Accounts Payable Segregation of Duties

Integration Points for the Internal Controls Enforcer Integration

This table lists the integration points for the diagnostics that are delivered for the Internal Controls Enforcer integration:

Diagnostic Name	URL to Invoke	Integration Flow/Function ID	Adapter Service
Journal Options	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getJournalOptions</code>	getJournalOptions	selectJournalGeneralConstants
Accounts Receivable Aging Settings	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getARAggingSettings?FromCompany=xxxxx&ToCompany=yyyyy</code> Note. The variables xxxxx and yyyyy represent PeopleSoft EnterpriseOne company numbers.	getARAggingSettings	selectAgingCompanyConstants

Diagnostic Name	URL to Invoke	Integration Flow/Function ID	Adapter Service
Credit Limits	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getCreditLimits?FromCustomer=x&ToCustomer=y</code> Note. The variables <i>x</i> and <i>y</i> represent PeopleSoft EnterpriseOne customer numbers.	getCreditLimits	selectAddressBookAlphaName selectCustomerCreditLimits
Write Off Audit	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getWriteOffAudit</code>	getWriteOffAudit	selectApplicationVersion getWriteOffProcessingOptions
Accounts Payable Match Audit	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:GetAPMatchAudit</code>	getAPMatchAudit	selectPurchasingToleranceRules
Accounts Payable Match Audit Processing Options	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getAPMatchAuditPOs</code>	getAPMatchAuditPOs	selectApplicationVersion getAPProcessingOptionsForICE
Duplicate Invoice Check	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getDupInvoicChk</code>	getDupInvoicChk	selectGeneralConstants
Duplicate Invoice Check Processing Options	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getDupInvoicChkPOs</code>	getDupInvoicChkPOs	selectApplicationVersion getAPProcessingOptionsforICE
Get Expense Approval	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getExpenseApproval</code>	getExpenseApproval	selectPolicyEditRules
Accounts Payable Segregation of Duties	<code>http://server.domain:port/invoke/PSFT_EnterpriseOne_ICE.Diagnostics:getAPSegOfDuties</code>	getAPSegOfDuties	selectSecurityWorkbench

Note. All of the integration flows listed in this table reside in the PSFT_EnterpriseOne_ICE, PSFT_EnterpriseOne_ICE, Diagnostics folder on the Integration Server. The adapter services reside in the PSFT_EnterpriseOne_AdapterServices, Adapter Services, Database, Financials folder or in the PSFT_EnterpriseOne_AdapterServices, AdapterServices, Business Function, Financials folder on the Integration Server.

Journal Options

This diagnostic returns General Accounting constants from the PeopleSoft EnterpriseOne General Constants table (F0009) and Company Constants table (F0010). This diagnostic returns only one row of data because the F0009 table contains only one record. Also, this diagnostic returns company constants for company 00000 only.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Batch Control Required	F0009.ICRG
Manager Approval of Input	F0009.IARG
Allow PBCO Postings	F0009.PBCO
Allow Invalid Accounts	F0009.ALIA
Intercompany Settlements	F0009.ICO
Multi-Currency Conversion	F0010.CRYR (for company 00000)
Allow Multi-Currency Intercompany Transactions	F0009.DOT1

Note. The Key value is always *1*.

Accounts Receivable Aging Settings

This diagnostic returns Accounts Receivable aging settings from the PeopleSoft EnterpriseOne F0010 table.

This diagnostic can process no more than 1000 records from the F0010 table. Use the FromCompany and ToCompany URL parameters to select a range of records.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Company	F0010.CO (Key)
Age As Of Date	F0010.DAG
Aging Method	F0010.AGEM
Date Type	F0010.AGE
Aging Days – Current	F0010.CRDY
Aging Days – 1	F0010.AGR1
Aging Days – 2	F0010.AGR2

Column Name	Source or Value
Aging Days – 3	F0010.AGR3
Aging Days – 4	F0010.AGR4
Aging Days – 5	F0010.AGR5
Aging Days – 6	F0010.AGR6
Aging Days – 7	F0010.AGR7

Credit Limits

This diagnostic returns customer credit limit settings from the PeopleSoft EnterpriseOne Customer Master by Line of Business table (F03012).

This diagnostic can process no more than 1000 records from the F03012 table. Use the FromCustomer and ToCustomer URL parameters to select a range of records.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Customer Number	F03012.AN8 (Key)
Company	F03012.CO
Credit Limit	F03012.ACL
Recall for Review Date	F03012.RVDJ

Write Off Audit

This diagnostic returns write-off settings from the processing options of these PeopleSoft EnterpriseOne programs:

- Standard Receipts Entry (P03B102)
- Enter Our Drafts/Enter Customer Drafts (P03B602)
- Speed Receipts Entry (P03B0001)
- Invoice Selection Match (R03B50A)
- Known Invoice Match With Amount (R03B50D)
- Known Invoice Match Without Amount (R03B50E)

This diagnostic returns processing options from all versions of these programs. However, the diagnostic can return processing options for no more than 1000 versions. If more than 1000 versions are selected by the query, an error is returned; no data is returned.

Diagnostic Layout – P03B102

This table describes the layout of this diagnostic for the Standard Receipts Entry (P03B102) program:

Column Name	Source or Value
Program ID	P03B102 (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Auto Write Off
PO Name1	Maximum Underpayment Amount
PO Value1	Value from the Maximum Underpayment Amount processing option
PO Tab2	Auto Write Off
PO Name2	Maximum Overpayment Amount
PO Value2	Value from the Maximum Overpayment Amount processing option
PO Tab3	Mnl Write Off
PO Name3	Maximum Underpayment Amount
PO Value3	Value from the Maximum Underpayment Amount processing option
PO Tab4	Mnl Write Off
PO Name4	Maximum Overpayment Amount
PO Value4	Value from the Maximum Overpayment Amount processing option

Diagnostic Layout – P03B602

This table describes the layout of this diagnostic for the Enter Our Drafts/Enter Customer Drafts (P03B602) program:

Column Name	Source or Value
Program ID	P03B602 (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Auto Write Off
PO Name1	Maximum Underpayment Amount
PO Value1	Value from the Maximum Underpayment Amount processing option

Column Name	Source or Value
PO Tab2	Auto Write Off
PO Name2	Maximum Overpayment Amount
PO Value2	Value from the Maximum Overpayment Amount processing option
PO Tab3	Mnl Write Off
PO Name3	Maximum Underpayment Amount
PO Value3	Value from the Maximum Underpayment Amount processing option
PO Tab4	Mnl Write Off
PO Name4	Maximum Overpayment Amount
PO Value4	Value from the Maximum Overpayment Amount processing option

Diagnostic Layout – P03B0001

This table describes the layout of this diagnostic for the Speed Receipts Entry (P03B0001) program:

Column Name	Source or Value
Program ID	P03B0001 (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Auto Write Off
PO Name1	Maximum Underpayment Amount
PO Value1	Value from the Maximum Underpayment Amount processing option
PO Tab2	Auto Write Off
PO Name2	Maximum Overpayment Amount
PO Value2	Value from the Maximum Overpayment Amount processing option
PO Tab3	empty
PO Name3	empty
PO Value3	empty
PO Tab4	empty

Column Name	Source or Value
PO Name4	empty
PO Value4	empty

Diagnostic Layout – R03B50A

This table describes the layout of this diagnostic for the Invoice Selection Match (R03B50A) program:

Column Name	Source or Value
Program ID	R03B50A (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Matching
PO Name1	Underpaid Tolerance Amount
PO Value1	Value from the Underpaid Tolerance Amount processing option
PO Tab2	Matching
PO Name2	Overpaid Tolerance Amount
PO Value2	Value from the Overpaid Tolerance Amount processing option
PO Tab3	empty
PO Name3	empty
PO Value3	empty
PO Tab4	empty
PO Name4	empty
PO Value4	empty

Diagnostic Layout – R03B50D

This table describes the layout of this diagnostic for the Known Invoice Match With Amount (R03B50D) program:

Column Name	Source or Value
Program ID	R03B50D (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Apply Invoices

Column Name	Source or Value
PO Name1	Underpaid Tolerance Amount
PO Value1	Value from the Underpaid Tolerance Amount processing option
PO Tab2	Apply Invoices
PO Name2	Overpaid Tolerance Amount
PO Value2	Value from the Overpaid Tolerance Amount processing option
PO Tab3	Apply Receipts
PO Name3	Underpaid Tolerance Amount
PO Value3	Value from the Underpaid Tolerance Amount processing option
PO Tab4	Apply Receipts
PO Name4	Overpaid Tolerance Amount
PO Value4	Value from the Overpaid Tolerance Amount processing option

Diagnostic Layout – R03B50E

This table describes the layout of this diagnostic for the Known Invoice Match Without Amount (R03B50E) program:

Column Name	Source or Value
Program ID	R03B50E (Key)
Version ID	F983051.VERS (Key)
PO Tab1	Apply Receipts
PO Name1	Underpaid Tolerance Amount
PO Value1	Value from the Underpaid Tolerance Amount processing option
PO Tab2	Apply Receipts
PO Name2	Overpaid Tolerance Amount
PO Value2	Value from the Overpaid Tolerance Amount processing option
PO Tab3	empty

Column Name	Source or Value
PO Name3	empty
PO Value3	empty
PO Tab4	empty
PO Name4	empty
PO Value4	empty

Accounts Payable Match Audit

This diagnostic returns the purchasing tolerance rule settings that pertain to Accounts Payable matching from the PeopleSoft EnterpriseOne Purchasing Tolerance Rules table (F4322). This diagnostic should be used in conjunction with the Accounts Payable Match Audit Processing Options diagnostic.

This diagnostic can return no more than 1000 rows from the F4322 table. If more than 1000 rows are selected by the query, an error is returned; no data is returned.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Function Type	F4322.PZFNTY (Key)
Short Item No	F4322.PZITM (Key)
Commodity Class	F4322.PZPRP1 (Key)
Company	F4322.PZCO (Key)
Quantity Tolerance %	F4322.PZRPQT
Quantity Tolerance Units	F4322.PZRUQT
Unit Cost Tolerance %	F4322.PZRPPR
Unit Price Tolerance \$	F4322.PZRUAT
Extended Amount Tolerance %	F4322.PZMPPR
Extended Amount Tolerance \$	F4322.PZMUAT

Accounts Payable Match Audit Processing Options

This diagnostic returns processing option values that pertain to Accounts Payable matching from the PeopleSoft EnterpriseOne Receive by PO program (P4312). This diagnostic should be used in conjunction with the Accounts Payable Match Audit diagnostic.

This diagnostic returns processing options from all versions of the Receive by P.O. program. However, the diagnostic can return processing options for no more than 1000 versions. If more than 1000 versions are selected by the query, an error is returned; no data is returned.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Program ID	<i>P4312</i>
Version	Returned from the selectApplicationVersion adapter service.
Tolerance Quantity and Amount	Value from processing option 1 on the Tolerance tab
Tolerance Date	Value from processing option 2 on the Tolerance tab

Note. The Key value is *Program ID|Version*.

Duplicate Invoice Check

This diagnostic returns the duplicate invoice number setting from the PeopleSoft EnterpriseOne General Constants table (F0009). This diagnostic returns only one row of data because the F0009 table contains only one record. This diagnostic should be used in conjunction with the Duplicate Invoice Check Processing Options diagnostic.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Duplicate Invoice Number Edit	F0009.GCDUIN

Note. The Key value is always *I*.

Duplicate Invoice Check Processing Options

This diagnostic returns processing option values from the PeopleSoft EnterpriseOne Recycle Recurring Vouchers program (R048101). This diagnostic should be used in conjunction with the Duplicate Invoice Check diagnostic.

This diagnostic returns processing options from all versions of the Recycle Recurring Vouchers program. However, the diagnostic can return processing options for no more than 1000 versions. If more than 1000 versions are selected by the query, an error is returned; no data is returned.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Program ID	<i>R048101</i>
Version	Returned from the selectApplicationVersion adapter service.
Invoice Number Flag	Value from processing option 1 on the Defaults tab

Note. The Key value is *Program ID|Version*.

Get Expense Approval

This diagnostic returns policy edit rules for the PeopleSoft EnterpriseOne Expense Management System (EMS) from the Policy Edit Rules table (F09E108).

This diagnostic can return no more than 1000 rows from the F09E108 table. If more than 1000 rows are selected by the query, an error is returned; no data is returned.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Policy Name	F09E108.PRPOLICY (Key)
Expense Category	F09E108.PREXPTYPE (Key)
Effective Date	F09E108.PREFTJ (Key)
Expense Report Type	F09E108.PREXRPTTYP (Key)
Location	F09E108.PRLOCATN (Key)
Hard Edit	F09E108.PRHEDIT
Preferred Supplier	F09E108.PRPREFSUP
Receipt Required	F09E108.PRRCTRQD
Daily Allowance	F09E108.PRDLYALLOW
Policy Currency	F09E108.PRPOLCRCY

Accounts Payable Segregation of Duties

This diagnostic returns Accounts Payable segregation of duties values set up for the PeopleSoft EnterpriseOne Accounts Payable system from the Security Workbench Table (F00950). The values returned describe how segregation of duties are defined for Accounts Payable.

This diagnostic can return no more than 1000 rows from the F00950 table. If more than 1000 rows are selected by the query, an error is returned; no data is returned.

Diagnostic Layout

This table describes the layout of this diagnostic:

Column Name	Source or Value
Security Type	F00950.SETY (Key)
User ID	F00950.USER (Key)
Object Name	F00950.OBNM (Key)
Run Application	F00950.RUN
View	F00950.VWYN
Add	F00950.A
Change	F00950.CHNG
Delete	F00950.DLT
OK/Select Action	F00950.IOK
Copy Action	F00950.ICPY
Update Action	F00950.IUPT

The inputs for the Object Name column are:

1. P04012
2. P0411SV
3. P0411
4. P041017
5. P041016
6. P0411S
7. R04570
8. R04571
9. P0413M

CHAPTER 43

Setting up the Internal Controls Enforcer Integration in the Integration Server

This chapter lists a prerequisite and discusses how to set up integration options for the Internal Controls Enforcer integration.

Prerequisite

Enable the PeopleSoft EnterpriseOne Adapter.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

Setting Up Integration Options for the Internal Controls Enforcer Integration

All of the integration flows for the Internal Controls Enforcer integration use this integration option:

Navigation	Integration Option	Usage
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>mm/dd/yyyy</i>).

PART 12

Integrating PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting

Chapter 44

Understanding the Treasury Integration

Chapter 45

Setting Up the PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting Integration

Chapter 46

Setting Up Prerequisite Data for the Treasury Integration

Chapter 47

Using the PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting Integration

CHAPTER 44

Understanding the Treasury Integration

This chapter provides discusses:

- Release levels.
- Business process.
- Integration architecture.
- Integration points.

Release Levels

This document supports the integration between PeopleSoft EnterpriseOne 8.11 SP1 General Accounting and PeopleSoft Enterprise 8.9 Treasury Management.

Business Process

With the PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting integration, you can use the PeopleSoft Enterprise Treasury system to manage your cash and manage risk to ensure sound fund management and to meet regulatory requirements while maintaining your accounting information in the PeopleSoft EnterpriseOne General Accounting system.

The major tasks involved in the integration of the PeopleSoft Enterprise Treasury system with the PeopleSoft EnterpriseOne General Accounting system are:

- Setting up integration options
- Setting up the integration in the PeopleSoft Enterprise database.
- Loading market rates from PeopleSoft EnterpriseOne into PeopleSoft Enterprise tables.
- Synchronizing incremental changes in market rates in PeopleSoft EnterpriseOne with the PeopleSoft Enterprise system.
- Sending journal entries for treasury transactions from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system.

The PeopleSoft EnterpriseOne system sends status update messages to the PeopleSoft Enterprise system when the journal entries are written to PeopleSoft EnterpriseOne staging table, transferred from the staging table to the Account Ledger, and posted to the Account Balances table.

- Sending bank statement information from the PeopleSoft Enterprise system to the PeopleSoft EnterpriseOne system so that reconciliation can take place in the PeopleSoft EnterpriseOne system.

- Retrieving pertinent financial information from the PeopleSoft EnterpriseOne system so that the PeopleSoft Enterprise system can include that information on the Cash Position Worksheet (CPW).

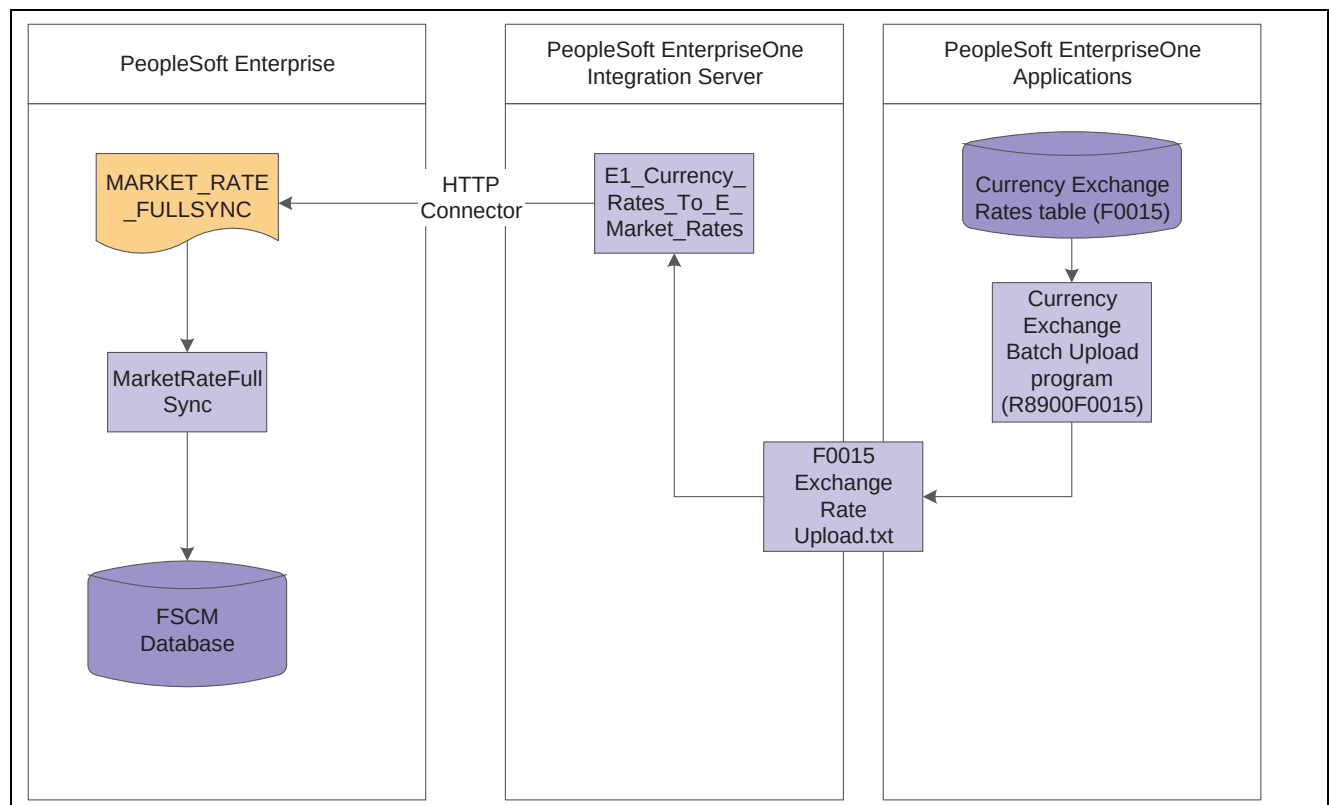
Integration Architecture

This section discusses the integration architecture for the:

- Batch load of market rates.
- Incremental synchronization of market rates
- Transfer of journal entries.
- Transfer of bank statements.
- Retrieval of financial data for the Cash Position Worksheet.

Integration Architecture for the Batch Load of Market Rates

This diagram illustrates the processes of loading market rates from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system by means of a batch load:



Market Rates Batch Load process

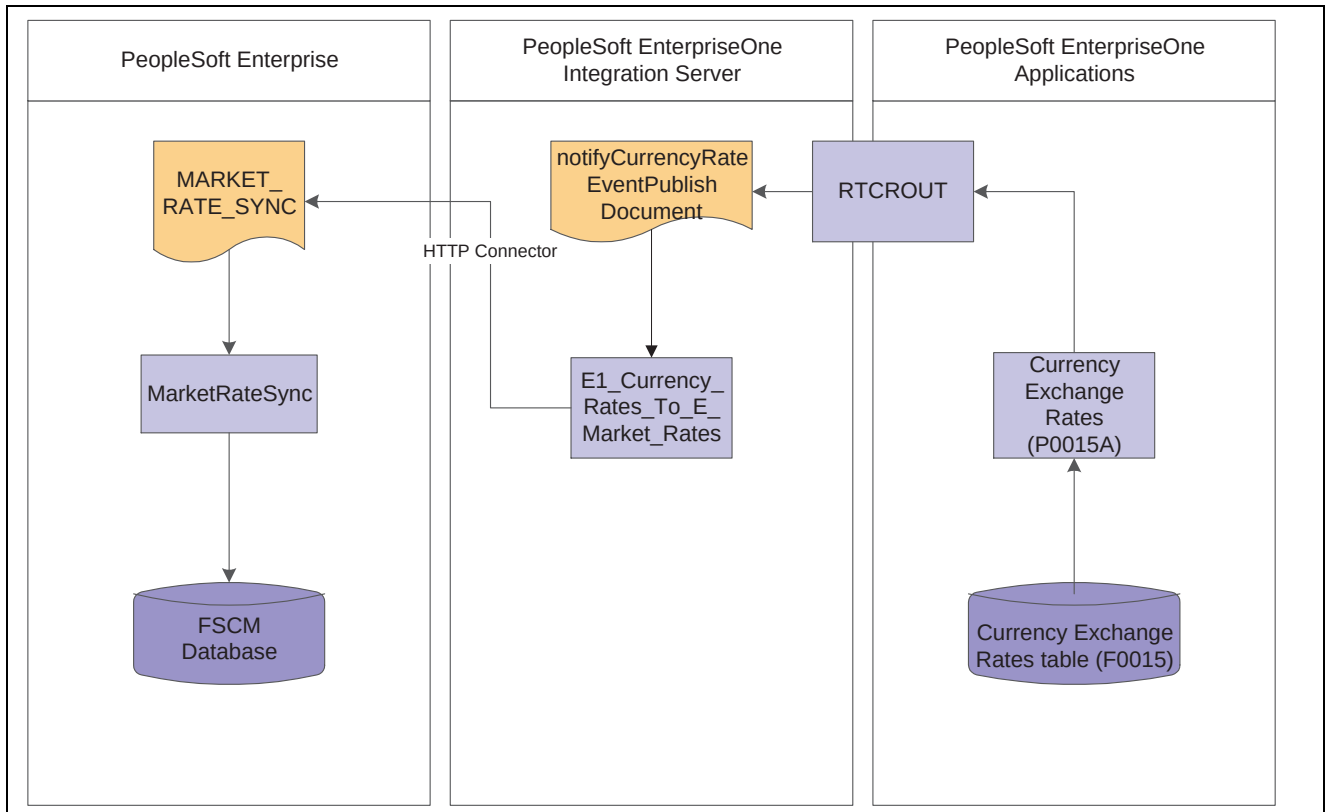
To perform an initial load of market rates:

1. Run the Currency Exchange Batch Upload program (R8900F0015) in the PeopleSoft EnterpriseOne system to extract market rates from the PeopleSoft EnterpriseOne database and write the data to a flat file named F0015 Exchange Rate Upload.txt.

2. Run the E1_Currency_Rates_To_E_Market_Rates batch integration in the Integration Server to retrieve the flat file, transform it, and create the MARKET_RATE_FULLSYNC message.
3. The Integration Server Dispatcher picks up the MARKET_RATE_FULLSYNC message and sends it to the PeopleSoft Enterprise system using Integration Broker and an HTTP connector.

Integration Architecture for the Incremental Synchronization of Market Rates

This diagram illustrates the incremental synchronization of market rates from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:



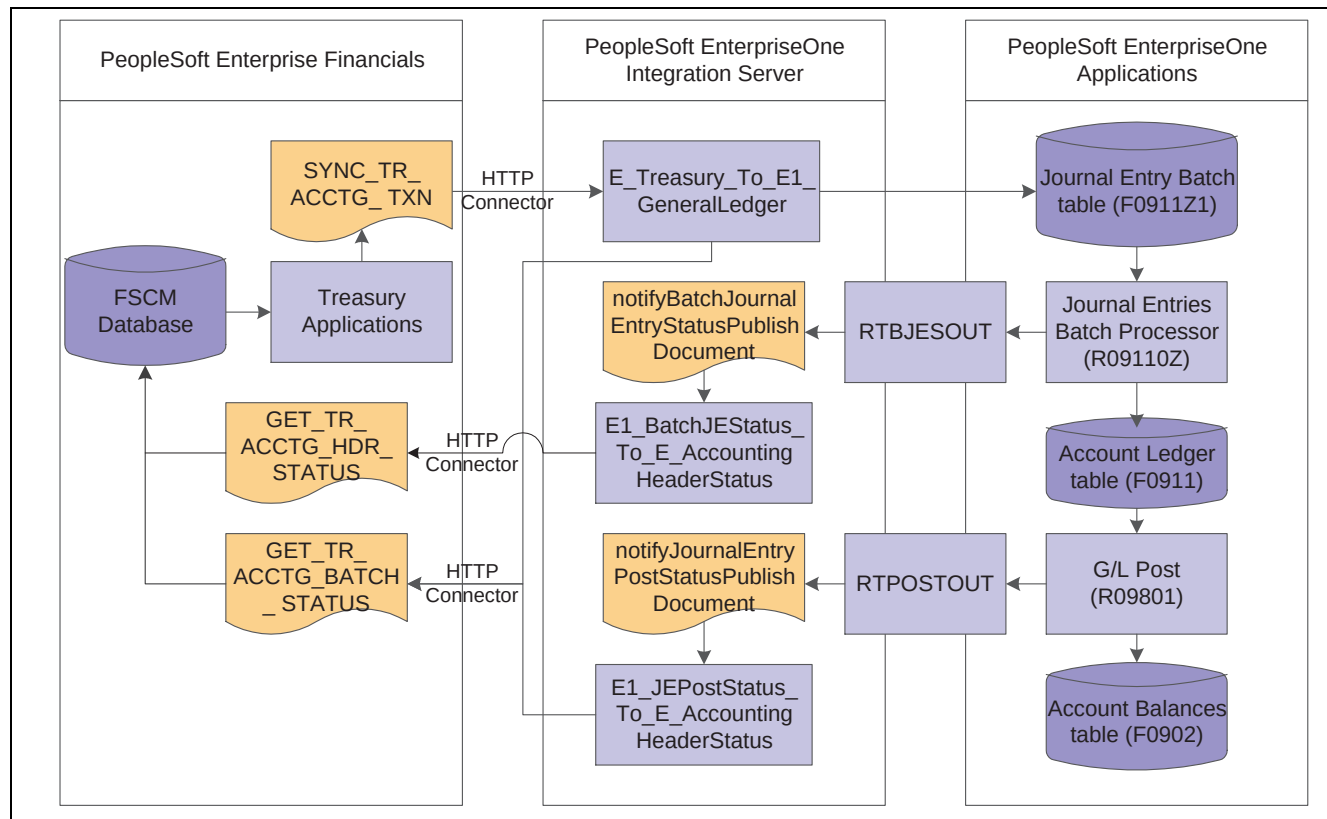
Market Rates Incremental Synchronization process

The incremental sync integration runs automatically and consists of these major steps:

1. The RTCROUT real-time event is triggered by the PeopleSoft EnterpriseOne system when an exchange rate is added, deleted, or changed.
2. The real-time event triggers an adapter service, which publishes the **notifyCurrencyRateEventPublishDocument**.
3. The **E1_Currency_Rates_To_E_Market_Rates** integration flow receives the published document, and transforms the PeopleSoft EnterpriseOne data to the **MARKET_RATE_SYNC** message.
4. The **MARKET_RATE_SYNC** message is retrieved by an integration point, which writes the data to the PeopleSoft Enterprise database.

Integration Architecture for the Transfer of Journal Entries

This diagram illustrates the process of sending journal entries from PeopleSoft Enterprise Treasury to the PeopleSoft EnterpriseOne system:



Journal Entry Integration process

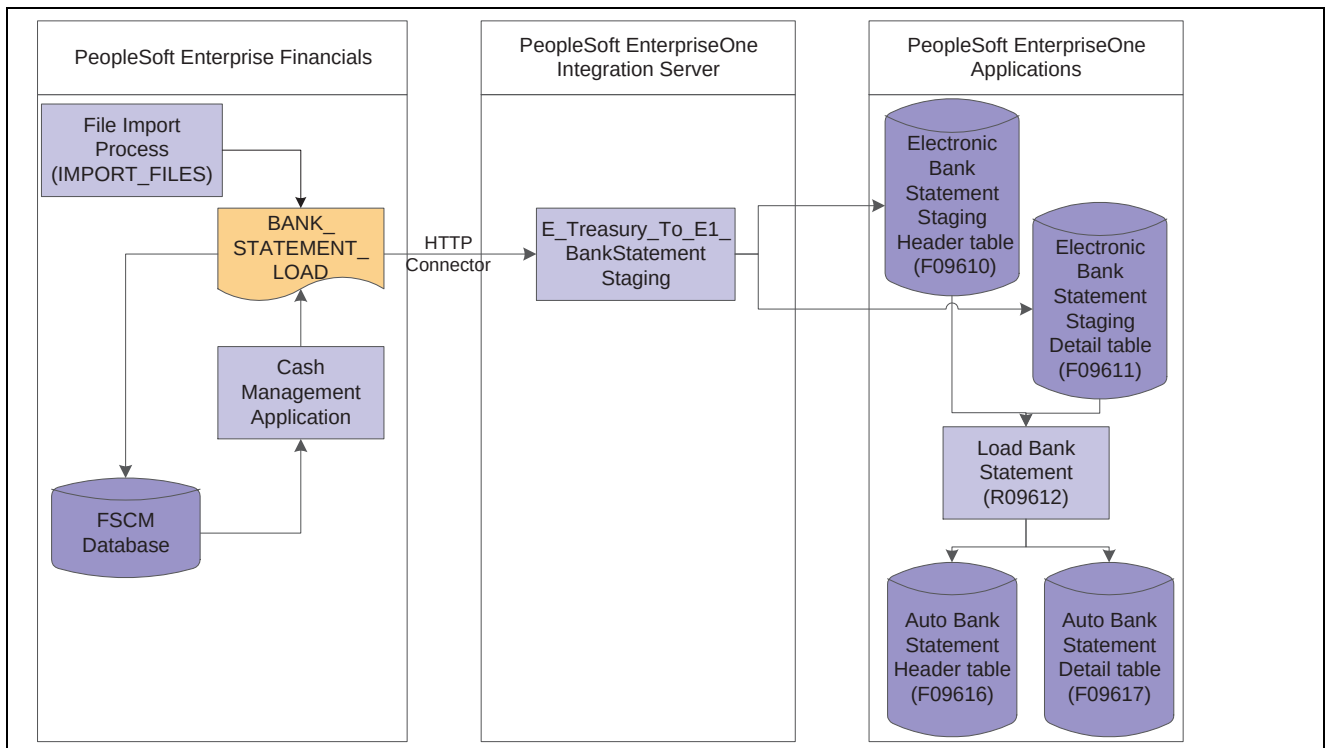
Sending journal entries from the PeopleSoft Enterprise Treasury system to the PeopleSoft EnterpriseOne General Accounting system consists of these major steps:

1. A PeopleSoft Enterprise Treasury user publishes the SYNC_TR_ACCTG_TXN outbound XML message with the information to create PeopleSoft EnterpriseOne journal entries.
The PeopleSoft Enterprise system updates the Integration Status of the entries in the Treasury system to *Sent*.
2. The Integration Server is listening for the IP message, and triggers the E_Treasury_To_E1_GeneralLedger integration flow, which transforms the message data and inserts the data in the Journal Entry Batch table (F0911Z1).
3. The Integration Server determines whether the insert was successful and posts a GET_TR_ACCTG_BATCH_STATUS Inbound reply message to the PeopleSoft Enterprise system.
This message contains the unique identifier for the batch and a status. The Integration Broker calls the appropriate subscription code to update the accounting integration status to either *Received* or *Error* based on the data in the message.
4. A PeopleSoft EnterpriseOne user runs the Journal Entries Batch Processor program (R09110Z) to validate the data and update the Account Ledger table (F0911).
5. The Journal Entries Batch Processor program triggers the RTBJESOUT real-time event.

6. The adapter service receives the real-time event and converts it to the `notifyBatchJournalEntryStatusPublishDocument`.
7. The Integration Server receives the `notifyBatchJournalEntryStatusPublishDocument` and triggers the `E1_BatchJESStatus_To_E_AccountingHeaderStatus` flow, which generates the `GET_TR_ACCTG_HDR_STATUS` message and sends it to the Integration Broker using the dispatcher.
8. The Integration Broker updates the accounting integration status in PeopleSoft Enterprise to a status of `Loaded` or `Error`.
9. A PeopleSoft EnterpriseOne user runs the G/L Post program (R09801) to post the F0911 records to the Account Balances table (F0902).
10. The G/L Post program triggers the `RTPOSTOUT` real-time event.
11. The adapter services receives the real-time event and converts it to the `notifyJournalEntryPostStatusPublishDocument`.
12. The Integration Server receives the `notifyJournalEntryPostStatusPublishDocument` and triggers the `E1_JEPostStatus_To_E_AccountingHeaderStatus` flow, which generates the `GET_TR_ACCTG_BATCH_STATUS` message and sends it to the Integration Broker using the dispatcher.
13. The Integration Broker calls the appropriate subscription code to update the accounting integration status in PeopleSoft Enterprise. At this point, the accounting lines have a status of *Posted* and the Treasury user is not able to edit the accounting entries from this point forward.

Integration Architecture for the Transfer of Bank Statements

This diagram illustrates the process of sending the previous day's bank statement from the PeopleSoft Enterprise Treasury system to the PeopleSoft EnterpriseOne General Accounting system:



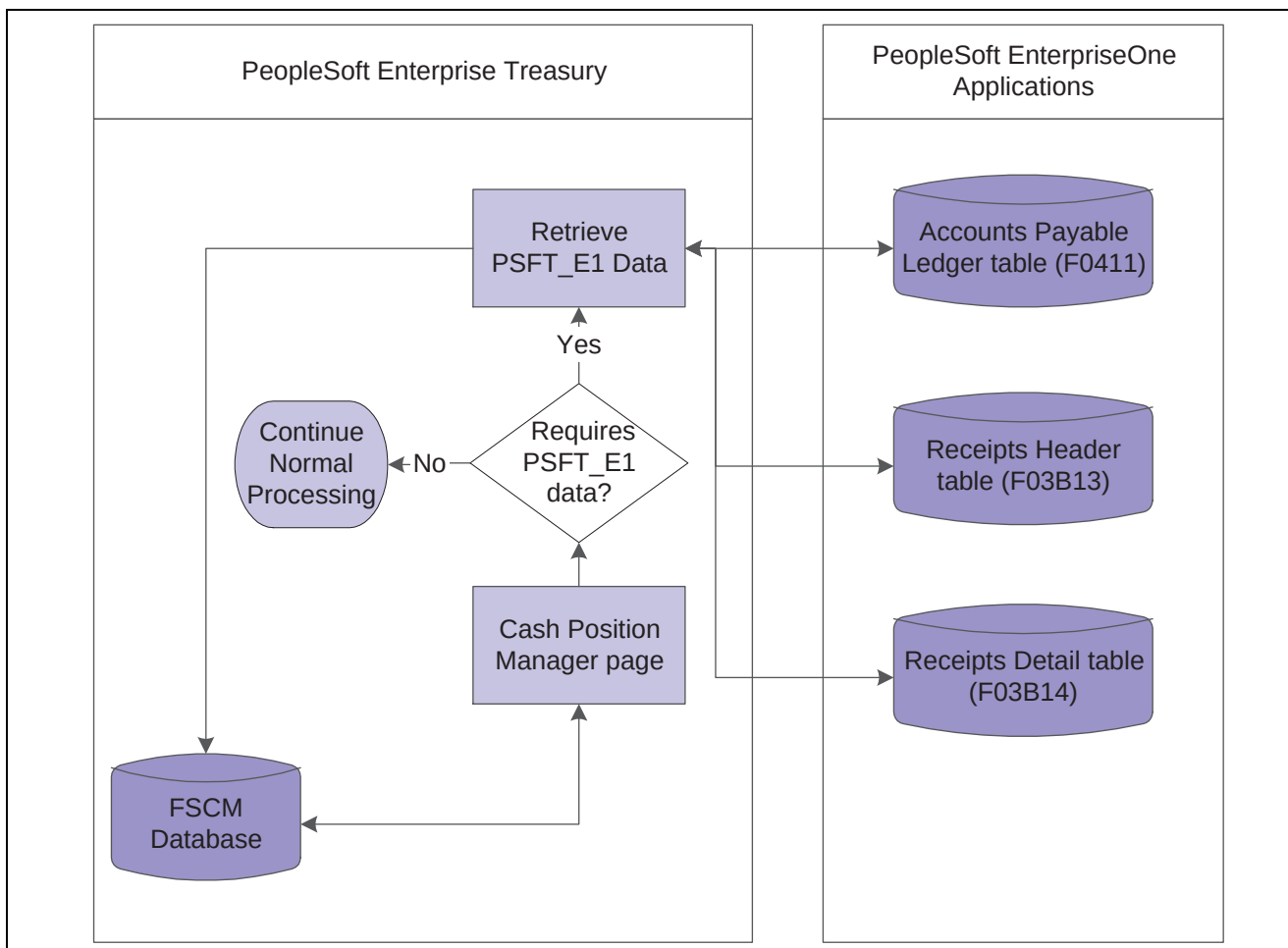
Bank Statement Integration process

Sending bank statements from the PeopleSoft Enterprise Financials system to the PeopleSoft EnterpriseOne General Accounting system consists of these major steps:

1. A PeopleSoft Enterprise Treasury user imports the bank statement file by running the File Import Application Engine process (IMPORT_FILE) either manually or using the Process Scheduler.
2. The PeopleSoft Enterprise Treasury system transforms the bank statement file to the BANK_STATEMENT_LOAD message and uses that message to load the bank statement into the PeopleSoft Enterprise Treasury database.
3. After the message is processed in the Treasury database, the system publishes the BANK_STATEMENT_LOAD message.
4. The Integration Server is listening for the IP message, and triggers the E_Treasury_To_E1_BankStatementStaging integration flow, which transforms the message data and inserts the data in the Electronic Bank Statement Staging Header table (F09610) and the Electronic Bank Statement Staging Detail table (F09611).
5. A PeopleSoft EnterpriseOne user runs the Load Bank Statement program (R09612) to validate the data and update the Auto Bank Statement Header table (F09616) and the Auto Bank Statement Detail table (F09617).
6. A PeopleSoft EnterpriseOne user uses the bank statement data to perform reconciliation and other bank statement processes.

Integration Architecture for the Retrieval of Financial Data for the Cash Position Worksheet

This diagram illustrates the process of retrieving financial data from the PeopleSoft EnterpriseOne system for the Cash Position Worksheet (CPW):



Data Retrieval for Cash Position Worksheet process

Retrieving financial data from the PeopleSoft EnterpriseOne system for the CPW consists of these major steps:

1. The Cash Manager selects the worksheet to be calculated on the Position Manager page in the PeopleSoft Enterprise system, enters the required data for the worksheet and clicks the *Calculate* button.
2. The PeopleSoft Enterprise Treasury system determines whether the worksheet requires data from the PeopleSoft EnterpriseOne system.
3. If the worksheet requires data from the PeopleSoft EnterpriseOne system, the system uses the JDBJ API to retrieve the appropriate data directly from these tables in the PeopleSoft EnterpriseOne database:
 - Accounts Payable Ledger (F0411)
 - Receipts Header (F03B13)
 - Receipts Detail (F03B14)
4. The data is populated in the appropriate tables for the CPW and normal CPW processing continues.

Integration Points

This chapter lists integration points for the:

- Integration of market rates.
- Transfer of journal entries.
- Transfer of bank statements.

Integration Points for the Integration of Market Rates

This table lists the integration points used by the Treasury integration to send market rate information from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
MARKET_RATE_FULLSYNC	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	Currency Exchange Batch Upload (R8900F0015)	This integration point retrieves PeopleSoft EnterpriseOne currency rate data from a flat file and converts it to PeopleSoft Enterprise market rate data.
MARKET_RATE_SYNC	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	RTCROUT	This integration point sends incremental changes in PeopleSoft EnterpriseOne currency rate data to PeopleSoft Enterprise market rate data.

Integration Points for the Transfer of Journal Entries

This table lists the integration points used by the Treasury integration to send journal entries from the PeopleSoft Enterprise Treasury system to the PeopleSoft EnterpriseOne General Accounting system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
SYNC_TR_ACCTG_TXN	E_Treasury_To_E1_GeneralLedger	Journal Entry Transactions – Batch File (F0911Z1)	This integration sends journal entries for PeopleSoft Enterprise Treasury transactions to the PeopleSoft EnterpriseOne system. This integration loads the journal entries data into the Journal Entry Batch table (F0911Z1) table in the PeopleSoft EnterpriseOne system.

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
GET_TR_ACCTG_BATCH_STATUS	E_Treasury_To_E1_GeneralLedger	None	This integration sends a status message from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise Treasury to indicate whether the insert into the Journal Entry Batch table (F0911Z1) was successful.
GET_TR_ACCTG_HDR_STATUS	E1_BatchJESStatus_To_E_AccountingHeaderStatus	Journal Entries Batch Processor (R09110Z) RTBJESOUT	This integration sends a status message from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise Treasury system when the journal entry data is uploaded from the Journal Entry Batch table (F0911Z1) to the Account Ledger table (F0911) to indicate the status of the upload.
GET_TR_ACCTG_BATCH_STATUS	E1_JEPostStatus_To_E_AccountingHeaderStatus	G/L Post (R09801) RTPOSTOUT	This integration sends a status message from the PeopleSoft EnterpriseOne system to the PeopleSoft Enterprise Treasury system when the journal entries are posted from the Account Ledger table (F0911) to the Account Balances table (F0902).

Integration Point for the Transfer of Bank Statements

This table lists the integration points used by the Treasury integration to send the previous day's bank statements from the PeopleSoft Enterprise Treasury system to the PeopleSoft EnterpriseOne General Accounting system:

PeopleSoft Enterprise Message Name	Integration Service Flow	PeopleSoft EnterpriseOne Object/Event	Description
BANK_STATEMENT_ LOAD	E_Treasury_To_E1_ BankStatementStaging	Electronic Bank Statement Staging Header (F09610) Electronic Bank Statement Staging Detail (F09611)	This integration sends the previous day's bank statement from PeopleSoft Enterprise Treasury to the PeopleSoft EnterpriseOne system. This integration loads the bank statement data into staging tables in the PeopleSoft EnterpriseOne system.

CHAPTER 45

Setting Up the PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting Integration

This chapter provides an overview of setup and implementation considerations and discusses how to:

- Set up the Treasury integration in the PeopleSoft Enterprise database.
- Set up the cash position worksheet integration.
- Set up the Treasury integration in the Integration Server.

Understanding Setup and Implementation Considerations

The PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting integration functions based on these assumptions:

- Banks and bank account information is not synchronized between the two systems. The accounts must be entered into each system manually.
- The PeopleSoft EnterpriseOne General Accounting system validates accounting entries and creates intercompany accounting entries if needed. The Inter/Intraunit Processor and Combination Editing processes should be disabled in the PeopleSoft Enterprise system.
- All bank statement processing and reconciliation should be done in the PeopleSoft EnterpriseOne General Accounting system.
- PeopleSoft Enterprise and PeopleSoft EnterpriseOne calendars must be synchronized manually.
- All journal entries will create entries using the AA ledger type only.
- No specific ChartField (chart of account) configurations are required for this integration.
- The PeopleSoft Enterprise Treasury system does not perform any document sequencing for integration transactions. Document sequencing is done in the PeopleSoft EnterpriseOne system.
- Both systems store appropriate keys to reference the transactions in the other system. For example, the PeopleSoft EnterpriseOne journal ID is stored in the PeopleSoft Enterprise Treasury system and the batch and accounting ID are stored in the PeopleSoft EnterpriseOne system.

Setting Up the Treasury Integration in the PeopleSoft Enterprise Database

This section lists prerequisites and discuss how to:

- Set up Treasury installation options.
- Activate integration transactions for the Treasury integration.
- Activate messages for the Treasury integration.
- Activate message channels for the Treasury integration.
- Add channels to permissions for the Treasury integration.
- Activate message subscriptions for the Treasury integration.

Prerequisites

Before you complete the tasks discussed here to set up the integration environment in the PeopleSoft Enterprise Financials/SCM database:

- Set up the local gateway in the PeopleSoft Enterprise Financials/SCM database.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Local Gateway, page 14.](#)

- Activate the PSFT_E1 message node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Nodes, page 15.](#)

- Identify the properties and provide a designated URL for the PSFT_E1 node.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Node Definitions, page 16.](#)

Pages Used to Set Up the Treasury Integration in the PeopleSoft Enterprise Database

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Installation Options	INSTALLATION_TR	Set Up Financials/Supply Chain, Install, Installation Options, Treasury	Set up installation options to enable the Treasury integration.
Node Definition - Transactions	IB_NODETRXLIST	PeopleTools, Integration Broker, Integration Setup, Node Definitions, Transactions tab	Activate the messages used to pass data between Enterprise Treasury and EnterpriseOne General Accounting.

Setting Up Treasury Installation Options

Access the Installation Options page – Treasury tab.

The screenshot shows the 'Treasury' tab of the 'Installation Options' page. It includes sections for enabling accounting integration, configuring EnterpriseOne connection data (DBID, Password, Server), and setting financial gateway options (Password Prompt, Online Dispatch Server Name, Import Max Payments per Msg).

Installation Options page: Treasury tab

Enable Accounting Integration

Select this option to enable the accounting integration.

Integration Engine Run Option

Select an option to indicate whether the integration application engine should use the process scheduler or run immediately after accounting.

Note. If your connection fails and you are using a DB2 database, you will need to modify the "AddToPath" variable supported by the application server domain configuration file (psappsrv.cfg). Include the bin and function path that contain files to access DB2. Proceed to application server domain administration (psadmin) and reconfigure this domain. Select "AddToPath" settings and add the additional paths separated by a semicolon. Reload the new configuration and boot the domain.

See Also

PeopleSoft Application Fundamentals 8.9 PeopleBook, "Setting Installation Options for PeopleSoft Applications," Setting Up Application-Specific Installation Options

Activating Integration Transactions for the Treasury Integration

Access the Node Definition - Transactions page.

Node Definitions Contacts Properties Connectors Transactions 							
Node Name PSFT_E1							
Transactions Customize Find  First 1-31 of 31 Last							
		Transaction Type	Request Message	Request Message Version	Effective Date	Status	
1	Edit	OutAsync	ADD_ASSET_PUB	VERSION_1	01/01/1900	Inactive	
2	Edit	OutAsync	ADD_EMP_PUB	VERSION_1	01/01/1900	Inactive	
3	Edit	OutAsync	ADD_PROP_PUB	VERSION_1	01/01/1900	Inactive	
4	Edit	OutAsync	BANK_STATEMENT_LOAD	VERSION_2	01/01/1900	Active	
5	Edit	InAsync	BOM_SYNC	VERSION_1	05/30/2005	Active	
6	Edit	InAsync	GET_TR_ACCTG_BATCH_STATUS	VERSION_1	01/01/1900	Active	
7	Edit	InAsync	GET_TR_ACCTG_HDR_STATUS	VERSION_1	01/01/1900	Active	
8	Edit	OutAsync	ITEM_FULLSYNC_EFF	VERSION_1	05/27/2005	Inactive	
9	Edit	InAsync	ITEM_PRICELIST_LOAD	VERSION_1	01/01/1900	Active	
10	Edit	InAsync	ITEM_SYNC	VERSION_1	01/01/1900	Active	
11	Edit	OutAsync	ITEM_SYNC_EFF	VERSION_1	05/27/2005	Inactive	
12	Edit	InAsync	MARKET_RATE_FULLSYNC	VERSION_1	01/01/1900	Active	

Node Definitions - Transactions page

These messages must be activated.

Transaction Name	Version	Transaction Type
BANK_STATEMENT_LOAD	VERSION_2	OutAsync
GET_TR_ACCTG_BATCH_STATUS	VERSION_1	InAsync
GET_TR_ACCTG_HDR_STATUS	VERSION_1	InAsync
SYNC_TR_ACCTG_TXN	VERSION_1	OutAsync
MARKET_RATE_FULLSYNC	VERSION_1	InAsync
MARKET_RATE_SYNC	VERSION_1	InAsync

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Integration Transactions, page 17.](#)

Activating Messages for the Treasury Integration

Verify that these messages are active:

- BANK_STATEMENT_LOAD
- GET_TR_ACCTG_BATCH_STATUS
- GET_TR_ACCTG_HDR_STATUS
- MARKET_RATE_FULLSYNC
- MARKET_RATE_SYNC

- SYNC_TR_ACCTG_TXN

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Messages, page 15.](#)

Activating Message Channels for the Treasury Integration

Verify that these message channels have a message channel status of *Run*:

- BANK_STATEMENT
- TREASURY
- MARKET_RATES

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Channels, page 15.](#)

Adding Channels to Permissions for the Treasury Integration

To integrate PeopleSoft Enterprise Treasury with the PeopleSoft EnterpriseOne system, you must set the channel permissions for these channels:

- MARKET_RATES
- BANK_STATEMENT
- TREASURY

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Adding Channels to Permissions, page 17.](#)

Activating Message Subscriptions for the Treasury Integration

Verify that these message subscriptions are active:

Message Name	Subscription Name
MARKET_RATE_FULLSYNC	MarketRateFullSync
MARKET_RATE_SYNC	MarketRateSync
GET_TR_ACCTG_BATCH_STATUS	GET_TR_ACCTG_BATCH_STATUS
GET_TR_ACCTG_HDR_STATUS	GET_TR_ACCTG_HDR_STATUS

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Message Subscriptions, page 17.](#)

Setting Up the Cash Position Worksheet Integration

The section provides an overview on the CPW integration process and lists the pages used to map the CPW integration.

Understanding the CPW Integration Process

PeopleSoft Enterprise Cash Management uses the JDBJ Java API to access the EnterpriseOne database directly to generate a CPW. To accomplish this, Enterprise setIDs, business units, and accounts must be mapped to corresponding fields in the EnterpriseOne system. This table lists the records involved in the CPW integration.

PeopleSoft EnterpriseOne Source Record	PeopleSoft Enterprise Target Record
F0411	TR_CPW_INT_AP
F03B14	TR_CPW_INT_AR

This table lists the functional mapping between the two systems.

PeopleSoft EnterpriseOne Field	PeopleSoft Enterprise Field
Company ID	SetID
Business Unit	Business Unit
Currency	Base Currency
Account Short ID	Account
Accounts Unit\Account Object \ Account Subsidiary	Account Description

PeopleSoft delivers the necessary code mapping between EnterpriseOne records and fields and the corresponding Enterprise records and fields. Use the pages listed in this section to access the data used in the preconfigured CPW integration process. For example, the payables record in the EnterpriseOne database is F0411, and in the Enterprise database is TR_CPW_INT_AP. The EnterpriseOne field MCU is mapped to the Enterprise field TR_CPW_INT_APEONE_BU that is mapped to the position field type in Enterprise as BUSINESS UNIT.

See Also

PeopleSoft Enterprise Cash Management 8.9 PeopleBook, “Defining Cash Positions”

Pages Used to Map the CPW Integration

Access these pages in the PeopleSoft Enterprise Financials/SCM database.

Page Name	Object Name	Navigation	Usage
Position Source	POS_SOURCE_TBL	Setup Financials/Supply Chain, Product Related, Treasury, Position Source	Provide a more intuitive list of fields from which to select in the Position Manager. Use these alias names when entering selection criteria for position nodes. Note. PeopleSoft delivers the ENTERPRISEONE -AP and the ENTERPRISEONE - AR position sources with the preconfigured default mappings for the CPW integration.
Position Manager Records	POS_EXT_DATA_REC	Setup Financials/Supply Chain, Product Related, Treasury, Position Manager Records	View the records involved in the CPW integration process.
Position Field Types	POS_FIELD_TYPE_PNL	Setup Financials/Supply Chain, Product Related, Treasury, Position Field Types	Define the sets of table fields that are available to the position management tool.
Position Manager Field Map	TR_INT_MAP	Setup Financials/Supply Chain, Product Related, Treasury, Position Manager Field Map	View the field mappings between the EnterpriseOne and Enterprise payables and receivables records. Note. PeopleSoft delivers the E1_AR_MAP and the E1_AR_MAP integration maps preconfigured for the CPW integration process.

Setting Up the Treasury Integration in the Integration Server

This section provides an overview of utility services, lists prerequisites, and discusses how to:

- Enable PeopleSoft EnterpriseOne Adapter Listener Notifications for the Treasury integration.
- Set up integration options for the Treasury integration.

Understanding Utility Services

The Treasury integration uses these utility services:

- PSFT_Enterprise_Treasury.utils:determineExchangeRate
- PSFT_Enterprise_Treasury.utils:getTREConstants

- PSFT_Enterprise_Treasury.utils:transformDateAndTimeFieldsToDateTime

Prerequisites

Before completing the tasks in this section:

- Enable dependent packages.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Dependent Packages, page 20.](#)

- Enable the PeopleSoft EnterpriseOne Adapter and the PeopleSoft EnterpriseOne Adapter Listener.

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter, page 21.](#)

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling the PeopleSoft EnterpriseOne Adapter Listener, page 21.](#)

Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications for the Treasury Integration

Enable the listener and these listener notifications within the PSFT_EnterpriseOne_AdapterServices package:

- AdapterServices.Notification.LearningManagement:notifyCurrencyRateEvent
- AdapterServices.Notification.Financials:notifyBatchJournalEntryStatus
- AdapterServices.Notification.Financials:notifyJournalEntryPostStatus

See [Chapter 4, “Setting Up Integrations in the Integration Server,” Enabling PeopleSoft EnterpriseOne Adapter Listener Notifications, page 21.](#)

Setting Up Integration Options for the Treasury Integration

This section lists the integration options for these integration points:

- Currency Rates
- Treasury Journal Entries
- Batch Journal Entry Status
- Journal Entry Post Status
- Bank Statements

Currency Rates

The integration of currency rates requires these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_Treasury, InitialBatchLoads, E1_Currency_ Rates_To_E_Market_Rates, convert_E1_Currency_Rates_ To_E_Market_Rates	Export Directory	Specify the location of the F0015 Exchange Rate Upload.txt file that is generated by the Currency Exchange Batch Upload program (R8900F0015). This value is an example: \\machinename\pyexport.
PSFT_EnterpriseOne_Treasury	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i> . This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i> . This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	Gateway URL	Specify the URL of the local gateway in the PeopleSoft Enterprise system. This value is an example: <i>http://sunrise/PSIGW /PeopleSoftListeningConnector</i>
PSFT_EnterpriseOne_Treasury	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i> .

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_Treasury	PSCAMA Class	The PSCAMA class is required by the PeopleSoft Enterprise messaging system. The default value is <i>R</i> and should not be changed.
PSFT_EnterpriseOne_Treasury	Base Language	Specify the base language of the PeopleSoft EnterpriseOne database. This is used by generic, full-table subscription PeopleCode to help determine which tables to update. The default value is <i>ENG</i> (English).
PSFT_EnterpriseOne_Treasury	Language	Specify the language in which the messages that are sent to the PeopleSoft Enterprise system are generated, so that PeopleSoft Enterprise can take that information into account when processing the message. The default value is <i>ENG</i> (English).
PSFT_EnterpriseOne_ELM	Market Rate Index	Specify the market rate index for market rates that are sent to the PeopleSoft Enterprise system. The default value is <i>TEST_INDEX</i> .

Treasury Journal Entries

The integration of Treasury journal entries requires these integration options:

Navigation	Integration Option	Usage
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>MM/dd/yyyy</i>).
PSFT_EnterpriseOne_Treasury	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_E1</i> . This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_Treasury	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	Gateway URL	Specify the URL of the local gateway in the PeopleSoft Enterprise system. This value is an example: <i>http://sunrise/PSIGW/PeopleSoftListeningConnector</i>
PSFT_EnterpriseOne_Treasury	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i>.
PSFT_EnterpriseOne_Treasury	PSCAMA Class	The PSCAMA class is required by the PeopleSoft Enterprise messaging system. The default value is <i>R</i> and should not be changed.

Batch Journal Entry Status

The integration of the batch journal entry status requires these integration options:

Navigation	Integration Option	Usage
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>MM/dd/yyyy</i>).

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_Treasury	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EI</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	Gateway URL	Specify the URL of the local gateway in the PeopleSoft Enterprise system. This value is an example: <i>http://sunrise/PSIGW/PeopleSoftListeningConnector</i>
PSFT_EnterpriseOne_Treasury	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i>.
PSFT_EnterpriseOne_Treasury	PSCAMA Class	The PSCAMA class is required by the PeopleSoft Enterprise messaging system. The default value is <i>R</i> and should not be changed.

Journal Entry Post Status

The integration of the journal entry posting status requires these integration options:

Navigation	Integration Option	Usage
PSFT_EnterpriseOne_Treasury	From Node	Specify the PeopleSoft EnterpriseOne node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EI</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	To Node	Specify the PeopleSoft Enterprise node. This value must be the same value that is set up for this node in the PeopleSoft Enterprise Integration Broker. This value is an example: <i>PSFT_EP</i>. This value is used only when sending a message to the PeopleSoft Enterprise system. For flows that originate in the PeopleSoft Enterprise system, this value is used to send a success or error response back to the PeopleSoft Enterprise system.
PSFT_EnterpriseOne_Treasury	Gateway URL	Specify the URL of the local gateway in the PeopleSoft Enterprise system. This value is an example: <i>http://sunrise/PSIGW/PeopleSoftListeningConnector</i>
PSFT_EnterpriseOne_Treasury	Transaction Transport	Specify the protocol of transport that is used to get the message to the PeopleSoft Enterprise Integration Broker (for example, HTTP or JMS). The default value is <i>http</i>.
PSFT_EnterpriseOne_Treasury	PSCAMA Class	The PSCAMA class is required by the PeopleSoft Enterprise messaging system. The default value is <i>R</i> and should not be changed.

Bank Statements

The integration of bank statements requires these integration options:

Navigation	Integration Option	Usage
System	E1 Date Pattern	Specify the date pattern that is set up in the PeopleSoft EnterpriseOne system (for example, <i>MM/dd/yyyy</i>).

See Also

Chapter 4, “Setting Up Integrations in the Integration Server,” Setting Up Integration Options and Cross References, page 22

CHAPTER 46

Setting Up Prerequisite Data for the Treasury Integration

This chapter discusses how to:

- Set up manual data for the Treasury integration.
- Load market rates for the Treasury integration.

Setting Up Manual Data for the Treasury Integration

Due to their static nature, certain entities must be manually synchronized between the PeopleSoft Enterprise system and the PeopleSoft EnterpriseOne system.

You must load the values for these PeopleSoft EnterpriseOne codes into the PeopleSoft Enterprise system before you run the integration:

PeopleSoft Enterprise Entity	PeopleSoft EnterpriseOne Entity	PeopleSoft Enterprise Navigation	PeopleSoft EnterpriseOne Navigation
SetIDs	Companies	PeopleTools, Utilities, Administration, TableSet IDs	Organization & Account Setup (G09411), Company Names & Numbers
Business Units	Business Units	Set Up Financials/Supply Chain, Business Unit Related, General Ledger, General Ledger Definition	Organization & Account Setup (G09411), Review and Revise Business Units
Accounts	Accounts	Set Up Financials/Supply Chain, Common Definitions, Design ChartFields, Define Values, ChartField Values, Account	Organization & Account Setup (G09411), Review and Revise Accounts

Set IDs and Companies

Enter values from the Company (CO) field in PeopleSoft EnterpriseOne in the SETID field in PeopleSoft Enterprise.

Enter the company name in the DESCR field in PeopleSoft Enterprise.

Business Units

Enter values from the Company (CO) field in PeopleSoft EnterpriseOne in the SETID field in PeopleSoft Enterprise.

Enter values from the Business Unit (MCU) field in PeopleSoft EnterpriseOne in the DESCR field in PeopleSoft Enterprise.

The system automatically generates the values for the BUSINESS_UNIT field in PeopleSoft Enterprise.

Enter values from the Domestic Currency (CRCD) field from the PeopleSoft EnterpriseOne company in the BASE_CURRENCY field in PeopleSoft Enterprise.

Accounts

Set up the PeopleSoft EnterpriseOne general ledger accounts that represent bank accounts as PeopleSoft Enterprise accounts.

Enter values from the Company (CO) field in PeopleSoft EnterpriseOne in the SETID field in PeopleSoft Enterprise.

Specify the value from the Account ID field (AID) in PeopleSoft EnterpriseOne in the ACCOUNT field and the DESCRSHORT field in PeopleSoft Enterprise.

Enter a concatenation of the businessunit.object. subsidiary account number in the DESCR field in PeopleSoft Enterprise.

Enter the value from the Posting Edit field (PEC) in PeopleSoft EnterpriseOne in the EFF_STATUS field in PeopleSoft Enterprise.

Specify January 01, 1900 in the EFFDT field in PeopleSoft Enterprise.

Loading Market Rates for the Treasury Integration

This section provides overviews of the process of loading market rates into the PeopleSoft Enterprise Treasury system and of the incremental synchronization of market rates for the Treasury integration, lists prerequisites, and discusses how to:

- Set processing options for the Currency Exchange Batch Upload program (R8900F0015).
- Run the batch integration of market rates in the Integration Server.

Understanding the Process of Loading Market Rates into the PeopleSoft Enterprise Treasury System

This table describes the initial loads of market rates:

Table Conversion Program	Flat File Name	Batch Integration Flow	Message
Currency Exchange Batch Upload (R8900F0015)	F0015 Exchange Rate Upload.txt	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	MARKET_RATE_FULLSYNC

E1_Currency_Rates_To_E_Market_Rates

This initial data load sends currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Market Rate table (RT_RATE_TBL).

You must manually add market rate type to the PeopleSoft Enterprise Market Rate Type table (PS_RT_TYPE_TBL) before running this service. The value entered must match what was entered in the Market Rate Index integration option.

Understanding the Incremental Synchronization of Market Rates for the Treasury Integration

After you have initially loaded market rates from the PeopleSoft EnterpriseOne system to PeopleSoft Enterprise system, you may need to sync up additions or changes to market rates that occur in the PeopleSoft EnterpriseOne system.

Incremental sync integrations run automatically when you add, change, or delete integrated data in the PeopleSoft EnterpriseOne system.

This table describes the incremental sync of market rates:

PeopleSoft EnterpriseOne Real-Time Event	Published Interface Document	Integration Service Flow	Message
RTCROUT	notifyCurrencyRateEvent PublishDocument	E1_Currency_Rates_To_E_Market_Rates: convert_E1_Currency_Rates_To_E_Market_Rates	MARKET_RATE_SYNC

E1_Currency_Rates_To_E_Market_Rates

This incremental synchronization sends changes in currency rate data from the PeopleSoft EnterpriseOne Currency Exchange Rates table (F0015) to the PeopleSoft Enterprise Learning Management Market Rate table (RT_RATE_TBL).

Prerequisites

Before you load the master data described in this section:

- Set up UTF-8 encoding in the PeopleSoft EnterpriseOne system so that the flat files that are created by the table conversion problems are encoded correctly.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up Unicode Flat File Encoding, page 18.](#)

- Set up the export folder where you want the PeopleSoft EnterpriseOne table conversions to create the flat files.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Setting Up the Export Folder for Table Conversions, page 18.](#)

- Activate real-time events in the PeopleSoft EnterpriseOne system.

See [Chapter 3, “Setting Up the Integration Environment in the PeopleSoft Enterprise and PeopleSoft EnterpriseOne Systems,” Activating Realtime Events, page 18.](#)

Setting Processing Options for the Currency Exchange Batch Upload Program (R8900F0015)

Processing options enable you to specify the default processing for programs and reports.

Date

Enter Date - Effective for Exchange Rates	Specify the effective date of the exchange rates. Leave this processing option blank to use the system date.

Running Batch Integrations of Market Rates in the Integration Server

Use PeopleSoft EnterpriseOne WSG Integration Server or WSG Developer to invoke the batch integration. The initial batch load contains services, which perform the necessary data transformations and export XML files that the PeopleSoft Enterprise system can receive.

To run the market rate batch integration manually, invoke the PSFT_EnterpriseOne_ELM, Financials, InitialBatchLoads, E1_Currency_Rates_To_E_Market_Rates, convert_E1_Currency_Rates_To_E_Market_Rates service.

See Also

webMethods Integration Server Administrator's Guide 6.1, "Managing Services," Working with Services, Testing Services

CHAPTER 47

Using the PeopleSoft Enterprise Treasury with PeopleSoft EnterpriseOne General Accounting Integration

This chapter discusses how to:

- Send journal entries from PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting.
- Sending bank statements from PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting.
- Retrieving data from PeopleSoft EnterpriseOne for the PeopleSoft Enterprise Cash Position Worksheet.

Sending Journal Entries from PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting

This section provides an overview of the journal entry process and discusses how to:

- Run the Journal Entries Batch Processor Program (R09110Z).
- Run the General Ledger Post Program (R09801).

Understanding the Journal Entry Process

The SYNC_TR_ACCTG_TXN application message is initiated each time you run the TR_JRNL_INT Application Engine process to transmit journal entries to the PeopleSoft EnterpriseOne General Accounting system. This message sends the accounting lines from PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting.

The Enterprise Treasury transactions that generate accounting entries to the EnterpriseOne General Ledger are:

- Bank fees
- Bank transfers
- Electronic funds transfers (EFT)
- EFT requests
- External transactions
- Letters of credit fees
- Facility fees
- Investment pools

- Interest
- Letters of credit fees
- Securities
- Deals
- Deal fees
- Hedges

The Integration Server receives the SYNC_TR_ACCTG_TXN message and inserts the data in the Journal Entry Batch table (F0911Z1). The Integration Server determines whether the insert was successful and posts the GET_TR_ACCTG_BATCH_STATUS message to the PeopleSoft Enterprise system to update the accounting integration status of the records to either *Received* or *Error*.

When a PeopleSoft EnterpriseOne user runs the Journal Entries Batch Processor program (R09110Z) to validate the data and update the Account Ledger table (F0911), the PeopleSoft EnterpriseOne system triggers a real-time event, which is processed by the Integration Server. The Integration Server posts the GET_TR_ACCTG_BATCH_STATUS message to the PeopleSoft Enterprise system to update the accounting integration status to either *Loaded* or *Error* in PeopleSoft Enterprise.

When a PeopleSoft EnterpriseOne user runs the G/L Post program (R09801) to post the records in the Account Ledger table to the Account Balances table (F0902), the PeopleSoft EnterpriseOne system triggers a real-time event, which is processed by the Integration Server. The real-time event is sent only if the G/L Post program posted the accounting records successfully. The Integration Server posts the GET_TR_ACCTG_HDR_STATUS message to the PeopleSoft Enterprise system to update the accounting integration status in PeopleSoft Enterprise. At this point, the accounting lines have a status of *Posted* and the Treasury user is not able to edit the accounting entries from this point forward.

Forms Used to Process Journal Entries in PeopleSoft EnterpriseOne General Accounting

Form Name	FormID	Navigation	Usage
Work With Store & Forward Journal Entries	W0911Z1B	Batch Journal Entry Processing (G09311), Journal Entry Revisions	Locate and review records in the Journal Entry Transactions - Batch File table (F0911Z1).
Store & Forward Journal Entry Revisions	W0911Z1A	Locate a record and click Select on the Work With Store & Forward Journal Entries form.	Review and revise detail information for records in the F0911Z1 table.
Work With Journal Entries	W0911I	Journal Entry, Reports, & Inquiries (G0911), Journal Entry	Add, change, delete, or review records in the F0911 table.

Running the Journal Entries Batch Processor Program (R09110Z)

Select Batch Journal Entry Processing (G09311), Journal Entries Batch Processor.

You should run the Journal Entries Batch Processor program (R09110Z) in proof mode to validate the data that was inserted in the Journal Entry Transactions - Batch File table (F0911Z1). Correct any errors in the F0911Z1 table, and then run the Journal Entries Batch Processor program in final mode.

Use data selection based on a range of batch numbers and the transaction number to process the transactions that originated in the PeopleSoft Enterprise Treasury Management system.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Batch Journal Entries,” Uploading Batch Journal Entry.

Running the General Ledger Post Program (R09801)

Select Journal Entry, Reports, & Inquiries (G0911), General Ledger Post.

If you did not set the processing options on the Journal Entries Batch Processor program (R09110Z) to post journal entries to the Account Balances table (F0902), run the General Ledger Post program (R09801) to post the journal entries.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Journal Entries,” Posting Journal Entries.

Sending Bank Statements from PeopleSoft Enterprise Treasury to PeopleSoft EnterpriseOne General Accounting

If the *Use Integration Broker* option is selected on the Import Bank Statements page in PeopleSoft Enterprise, the system publishes the BANK_STATEMENT_LOAD message when a user runs the File Import Application Engine process (IMPORT_FILES) from the Import Bank Statements page.

The Integration Server receives the BANK_STATEMENT_LOAD message and inserts the data in the Electronic Bank Statement Staging Header table (F09610) and the Electronic Bank Statement Staging Detail table (F09611).

A PeopleSoft EnterpriseOne user must run the Load Bank Statement program (R09612) to validate the data and update the Auto Bank Statement Header table (F09616) and the Auto Bank Statement Detail table (F09617). You can then reconcile the bank statement in PeopleSoft EnterpriseOne General Accounting.

See *PeopleSoft EnterpriseOne General Accounting 8.11 SPI PeopleBook*, “Processing Bank Statements Automatically”.

Retrieving Data from PeopleSoft EnterpriseOne for the PeopleSoft Enterprise Cash Position Worksheet

When the Cash Manager clicks the *Calculate* button on the Position Manager page in the PeopleSoft Enterprise Treasury system, the system determines whether the worksheet requires data from the PeopleSoft EnterpriseOne system. To set the system to import data from the PeopleSoft EnterpriseOne system, click the edit button (pencil) and select the Load External Data field on the Position Manager Options page.

If the worksheet requires data from the PeopleSoft EnterpriseOne system, the system retrieves the appropriate data directly from the PeopleSoft EnterpriseOne database.

Note. Additional time is required to generate a CPW while importing the data from an external source. To shorten the processing time, we recommend scheduling the Position Manager Data Load Application Engine process (TR_POS_WKSLED) to run prior to the time you normally generate your CPW.

See PeopleSoft Cash Management 8.9 PeopleBook, “Defining Cash Positions,” Managing Position Worksheets.

Glossary of PeopleSoft Terms

activity	A scheduling entity in PeopleSoft EnterpriseOne Form Design Aid that represents a designated amount of time on a calendar.
activity rule	The criteria by which an object progresses from one given point to the next in a flow.
add mode	A condition of a form that enables users to input data.
Advanced Planning Agent (APAg)	A PeopleSoft EnterpriseOne tool that can be used to extract, transform, and load enterprise data. APAg supports access to data sources in the form of relational databases, flat file format, and other data or message encoding, such as XML.
application server	A server in a local area network that contains applications shared by network clients.
as if processing	A process that enables you to view currency amounts as if they were entered in a currency different from the domestic and foreign currency of the transaction.
alternate currency	A currency that is different from the domestic currency (when dealing with a domestic-only transaction) or the domestic and foreign currency of a transaction. In PeopleSoft EnterpriseOne Financial Management, alternate currency processing enables you to enter receipts and payments in a currency other than the one in which they were issued.
as of processing	A process that is run as of a specific point in time to summarize transactions up to that date. For example, you can run various PeopleSoft EnterpriseOne reports as of a specific date to determine balances and amounts of accounts, units, and so on as of that date.
back-to-back process	A process in PeopleSoft EnterpriseOne Workflow Management that contains the same keys that are used in another process.
batch processing	A process of transferring records from a third-party system to PeopleSoft EnterpriseOne. In PeopleSoft EnterpriseOne Financial Management, batch processing enables you to transfer invoices and vouchers that are entered in a system other than EnterpriseOne to PeopleSoft EnterpriseOne Accounts Receivable and PeopleSoft EnterpriseOne Accounts Payable, respectively. In addition, you can transfer address book information, including customer and supplier records, to PeopleSoft EnterpriseOne.
batch server	A server that is designated for running batch processing requests. A batch server typically does not contain a database nor does it run interactive applications.
batch-of-one immediate	A transaction method that enables a client application to perform work on a client workstation, then submit the work all at once to a server application for further processing. As a batch process is running on the server, the client application can continue performing other tasks. See also direct connect and store-and-forward.
business function	A named set of user-created, reusable business rules and logs that can be called through event rules. Business functions can run a transaction or a subset of a transaction (check inventory, issue work orders, and so on). Business functions also contain the application programming interfaces (APIs) that enable them to be called from a form, a database trigger, or a non-EnterpriseOne application. Business functions can be combined with other business functions, forms, event rules, and other components to make up an application. Business functions can be created through

	event rules or third-generation languages, such as C. Examples of business functions include Credit Check and Item Availability.
business function event rule	See named event rule (NER).
business view	A means for selecting specific columns from one or more PeopleSoft EnterpriseOne tables whose data is used in an application or report. A business view does not select specific rows, nor does it contain any actual data. It is strictly a view through which you can manipulate data.
central objects merge	A process that blends a customer's modifications to the objects in a current release with objects in a new release.
central server	A server that has been designated to contain the originally installed version of the software (central objects) for deployment to client computers. In a typical PeopleSoft EnterpriseOne installation, the software is loaded on to one machine—the central server. Then, copies of the software are pushed out or downloaded to various workstations attached to it. That way, if the software is altered or corrupted through its use on workstations, an original set of objects (central objects) is always available on the central server.
charts	Tables of information in PeopleSoft EnterpriseOne that appear on forms in the software.
connector	Component-based interoperability model that enables third-party applications and PeopleSoft EnterpriseOne to share logic and data. The PeopleSoft EnterpriseOne connector architecture includes Java and COM connectors.
contra/clearing account	A general ledger account in PeopleSoft EnterpriseOne Financial Management that is used by the system to offset (balance) journal entries. For example, you can use a contra/clearing account to balance the entries created by allocations in PeopleSoft EnterpriseOne General Accounting.
Control Table Workbench	An application that, during the installation Workbench processing, runs the batch applications for the planned merges that update the data dictionary, user-defined codes, menus, and user override tables.
control tables merge	A process that blends a customer's modifications to the control tables with the data that accompanies a new release.
cost assignment	The process in PeopleSoft EnterpriseOne Advanced Cost Accounting of tracing or allocating resources to activities or cost objects.
cost component	In PeopleSoft EnterpriseOne Manufacturing Management, an element of an item's cost (for example, material, labor, or overhead).
cross segment edit	A logic statement that establishes the relationship between configured item segments. Cross segment edits are used to prevent ordering of configurations that cannot be produced.
currency restatement	The process of converting amounts from one currency into another currency, generally for reporting purposes. You can use the currency restatement process, for example, when many currencies must be restated into a single currency for consolidated reporting.
database server	A server in a local area network that maintains a database and performs searches for client computers.
Data Source Workbench	An application that, during the Installation Workbench process, copies all data sources that are defined in the installation plan from the Data Source Master and Table and Data Source Sizing tables in the Planner data source to the System-release number data source. It also updates the Data Source Plan detail record to reflect completion.

date pattern	A calendar that represents the beginning date for the fiscal year and the ending date for each period in that year in standard and 52-period accounting.
denominated-in currency	The company currency in which financial reports are based.
deployment server	A server that is used to install, maintain, and distribute software to one or more enterprise servers and client workstations.
detail information	Information that relates to individual lines in PeopleSoft EnterpriseOne transactions (for example, voucher pay items and sales order detail lines).
direct connect	A transaction method in which a client application communicates interactively and directly with a server application. See also batch-of-one immediate and store-and-forward.
Do Not Translate (DNT)	A type of data source that must exist on the iSeries because of BLOB restrictions.
dual pricing	The process of providing prices for goods and services in two currencies.
edit code	A code that indicates how a specific value for a report or a form should appear or be formatted. The default edit codes that pertain to reporting require particular attention because they account for a substantial amount of information.
edit mode	A condition of a form that enables users to change data.
edit rule	A method used for formatting and validating user entries against a predefined rule or set of rules.
Electronic Data Interchange (EDI)	An interoperability model that enables paperless computer-to-computer exchange of business transactions between PeopleSoft EnterpriseOne and third-party systems. Companies that use EDI must have translator software to convert data from the EDI standard format to the formats of their computer systems.
embedded event rule	An event rule that is specific to a particular table or application. Examples include form-to-form calls, hiding a field based on a processing option value, and calling a business function. Contrast with the business function event rule.
Employee Work Center	A central location for sending and receiving all PeopleSoft EnterpriseOne messages (system and user generated), regardless of the originating application or user. Each user has a mailbox that contains workflow and other messages, including Active Messages.
enterprise server	A server that contains the database and the logic for PeopleSoft EnterpriseOne or PeopleSoft World.
EnterpriseOne object	A reusable piece of code that is used to build applications. Object types include tables, forms, business functions, data dictionary items, batch processes, business views, event rules, versions, data structures, and media objects.
EnterpriseOne process	A software process that enables PeopleSoft EnterpriseOne clients and servers to handle processing requests and run transactions. A client runs one process, and servers can have multiple instances of a process. PeopleSoft EnterpriseOne processes can also be dedicated to specific tasks (for example, workflow messages and data replication) to ensure that critical processes don't have to wait if the server is particularly busy.
Environment Workbench	An application that, during the Installation Workbench process, copies the environment information and Object Configuration Manager tables for each environment from the Planner data source to the System-release number data source. It also updates the Environment Plan detail record to reflect completion.
escalation monitor	A batch process that monitors pending requests or activities and restarts or forwards them to the next step or user after they have been inactive for a specified amount of time.

event rule	A logic statement that instructs the system to perform one or more operations based on an activity that can occur in a specific application, such as entering a form or exiting a field.
facility	An entity within a business for which you want to track costs. For example, a facility might be a warehouse location, job, project, work center, or branch/plant. A facility is sometimes referred to as a <i>business unit</i> .
fast path	A command prompt that enables the user to move quickly among menus and applications by using specific commands.
file server	A server that stores files to be accessed by other computers on the network. Unlike a disk server, which appears to the user as a remote disk drive, a file server is a sophisticated device that not only stores files, but also manages them and maintains order as network user request files and make changes to these files.
final mode	The report processing mode of a processing mode of a program that updates or creates data records.
FTP server	A server that responds to requests for files via file transfer protocol.
header information	Information at the beginning of a table or form. Header information is used to identify or provide control information for the group of records that follows.
interface table	See Z table.
integration server	A server that facilitates interaction between diverse operating systems and applications across internal and external networked computer systems.
integrity test	A process used to supplement a company's internal balancing procedures by locating and reporting balancing problems and data inconsistencies.
interoperability model	A method for third-party systems to connect to or access PeopleSoft EnterpriseOne.
in-your-face-error	In PeopleSoft EnterpriseOne, a form-level property which, when enabled, causes the text of application errors to appear on the form.
IServer service	Developed by PeopleSoft, this internet server service resides on the web server and is used to speed up delivery of the Java class files from the database to the client.
jargon	An alternative data dictionary item description that PeopleSoft EnterpriseOne or People World displays based on the product code of the current object.
Java application server	A component-based server that resides in the middle-tier of a server-centric architecture. This server provides middleware services for security and state maintenance, along with data access and persistence.
JDBNET	A database driver that enables heterogeneous servers to access each other's data.
JDEBASE Database Middleware	A PeopleSoft proprietary database middleware package that provides platform-independent APIs, along with client-to-server access.
JDECallObject	An API used by business functions to invoke other business functions.
jde.ini	A PeopleSoft file (or member for iSeries) that provides the runtime settings required for EnterpriseOne initialization. Specific versions of the file or member must reside on every machine running PeopleSoft EnterpriseOne. This includes workstations and servers.
JDEIPC	Communications programming tools used by server code to regulate access to the same data in multiprocess environments, communicate and coordinate between processes, and create new processes.

jde.log	The main diagnostic log file of PeopleSoft EnterpriseOne. This file is always located in the root directory on the primary drive and contains status and error messages from the startup and operation of PeopleSoft EnterpriseOne.
JDENET	PeopleSoft proprietary communications middleware package. This package is a peer-to-peer, message-based, socket-based, multiprocess communications middleware solution. It handles client-to-server and server-to-server communications for all PeopleSoft EnterpriseOne supported platforms.
Location Workbench	An application that, during the Installation Workbench process, copies all locations that are defined in the installation plan from the Location Master table in the Planner data source to the System data source.
logic server	A server in a distributed network that provides the business logic for an application program. In a typical configuration, pristine objects are replicated on to the logic server from the central server. The logic server, in conjunction with workstations, actually performs the processing required when PeopleSoft EnterpriseOne and World software runs.
MailMerge Workbench	An application that merges Microsoft Word 6.0 (or higher) word-processing documents with PeopleSoft EnterpriseOne records to automatically print business documents. You can use MailMerge Workbench to print documents, such as form letters about verification of employment.
master business function (MBF)	An interactive master file that serves as a central location for adding, changing, and updating information in a database. Master business functions pass information between data entry forms and the appropriate tables. These master functions provide a common set of functions that contain all of the necessary default and editing rules for related programs. MBFs contain logic that ensures the integrity of adding, updating, and deleting information from databases.
master table	See published table.
matching document	A document associated with an original document to complete or change a transaction. For example, in PeopleSoft EnterpriseOne Financial Management, a receipt is the matching document of an invoice, and a payment is the matching document of a voucher.
media storage object	Files that use one of the following naming conventions that are not organized into table format: Gxxx, xxxGT, or GTxxx.
message center	A central location for sending and receiving all PeopleSoft EnterpriseOne messages (system and user generated), regardless of the originating application or user.
messaging adapter	An interoperability model that enables third-party systems to connect to PeopleSoft EnterpriseOne to exchange information through the use of messaging queues.
messaging server	A server that handles messages that are sent for use by other programs using a messaging API. Messaging servers typically employ a middleware program to perform their functions.
named event rule (NER)	Encapsulated, reusable business logic created using event rules, rather than C programming. NERs are also called business function event rules. NERs can be reused in multiple places by multiple programs. This modularity lends itself to streamlining, reusability of code, and less work.
<i>nota fiscal</i>	In Brazil, a legal document that must accompany all commercial transactions for tax purposes and that must contain information required by tax regulations.
<i>nota fiscal factura</i>	In Brazil, a <i>nota fiscal</i> with invoice information. See also <i>nota fiscal</i> .

Object Configuration Manager (OCM)	In PeopleSoft EnterpriseOne, the object request broker and control center for the runtime environment. OCM keeps track of the runtime locations for business functions, data, and batch applications. When one of these objects is called, OCM directs access to it using defaults and overrides for a given environment and user.
Object Librarian	A repository of all versions, applications, and business functions reusable in building applications. Object Librarian provides check-out and check-in capabilities for developers, and it controls the creation, modification, and use of PeopleSoft EnterpriseOne objects. Object Librarian supports multiple environments (such as production and development) and enables objects to be easily moved from one environment to another.
Object Librarian merge	A process that blends any modifications to the Object Librarian in a previous release into the Object Librarian in a new release.
Open Data Access (ODA)	An interoperability model that enables you to use SQL statements to extract PeopleSoft EnterpriseOne data for summarization and report generation.
Output Stream Access (OSA)	An interoperability model that enables you to set up an interface for PeopleSoft EnterpriseOne to pass data to another software package, such as Microsoft Excel, for processing.
package	EnterpriseOne objects are installed to workstations in packages from the deployment server. A package can be compared to a bill of material or kit that indicates the necessary objects for that workstation and where on the deployment server the installation program can find them. It is point-in-time snap shot of the central objects on the deployment server.
package build	A software application that facilitates the deployment of software changes and new applications to existing users. Additionally, in PeopleSoft EnterpriseOne, a package build can be a compiled version of the software. When you upgrade your version of the ERP software, for example, you are said to take a package build. Consider the following context: “Also, do not transfer business functions into the production path code until you are ready to deploy, because a global build of business functions done during a package build will automatically include the new functions.” The process of creating a package build is often referred to, as it is in this example, simply as “a package build.”
package location	The directory structure location for the package and its set of replicated objects. This is usually \\deployment server\release\path_code\package\package name. The subdirectories under this path are where the replicated objects for the package are placed. This is also referred to as where the package is built or stored.
Package Workbench	An application that, during the Installation Workbench process, transfers the package information tables from the Planner data source to the System-release number data source. It also updates the Package Plan detail record to reflect completion.
PeopleSoft Database	See JDEBASE Database Middleware.
planning family	A means of grouping end items whose similarity of design and manufacture facilitates being planned in aggregate.
preference profile	The ability to define default values for specified fields for a user-defined hierarchy of items, item groups, customers, and customer groups.
print server	The interface between a printer and a network that enables network clients to connect to the printer and send their print jobs to it. A print server can be a computer, separate hardware device, or even hardware that resides inside of the printer itself.
pristine environment	A PeopleSoft EnterpriseOne environment used to test unaltered objects with PeopleSoft demonstration data or for training classes. You must have this environment so that you can compare pristine objects that you modify.

processing option	A data structure that enables users to supply parameters that regulate the running of a batch program or report. For example, you can use processing options to specify default values for certain fields, to determine how information appears or is printed, to specify date ranges, to supply runtime values that regulate program execution, and so on.
production environment	A PeopleSoft EnterpriseOne environment in which users operate EnterpriseOne software.
production-grade file server	A file server that has been quality assurance tested and commercialized and that is usually provided in conjunction with user support services.
program temporary fix (PTF)	A representation of changes to PeopleSoft software that your organization receives on magnetic tapes or disks.
project	In PeopleSoft EnterpriseOne, a virtual container for objects being developed in Object Management Workbench.
promotion path	The designated path for advancing objects or projects in a workflow. The following is the normal promotion cycle (path): 11>21>26>28>38>01 In this path, 11 equals new project pending review, 21 equals programming, 26 equals QA test/review, 28 equals QA test/review complete, 38 equals in production, 01 equals complete. During the normal project promotion cycle, developers check objects out of and into the development path code and then promote them to the prototype path code. The objects are then moved to the productions path code before declaring them complete.
proxy server	A server that acts as a barrier between a workstation and the internet so that the enterprise can ensure security, administrative control, and caching service.
published table	Also called a master table, this is the central copy to be replicated to other machines. Residing on the publisher machine, the F98DRPUB table identifies all of the published tables and their associated publishers in the enterprise.
publisher	The server that is responsible for the published table. The F98DRPUB table identifies all of the published tables and their associated publishers in the enterprise.
pull replication	One of the PeopleSoft methods for replicating data to individual workstations. Such machines are set up as pull subscribers using PeopleSoft EnterpriseOne data replication tools. The only time that pull subscribers are notified of changes, updates, and deletions is when they request such information. The request is in the form of a message that is sent, usually at startup, from the pull subscriber to the server machine that stores the F98DRPCN table.
QBE	An abbreviation for query by example. In PeopleSoft EnterpriseOne, the QBE line is the top line on a detail area that is used for filtering data.
real-time event	A service that uses system calls to capture PeopleSoft EnterpriseOne transactions as they occur and to provide notification to third-party software, end users, and other PeopleSoft systems that have requested notification when certain transactions occur.
refresh	A function used to modify PeopleSoft EnterpriseOne software, or subset of it, such as a table or business data, so that it functions at a new release or cumulative update level, such as B73.2 or B73.2.1.
replication server	A server that is responsible for replicating central objects to client machines.
quote order	In PeopleSoft EnterpriseOne Procurement and Subcontract Management, a request from a supplier for item and price information from which you can create a purchase order.

	In PeopleSoft EnterpriseOne Sales Order Management, item and price information for a customer who has not yet committed to a sales order.
selection	Found on PeopleSoft menus, a selection represents functions that you can access from a menu. To make a selection, type the associated number in the Selection field and press Enter.
Server Workbench	An application that, during the Installation Workbench process, copies the server configuration files from the Planner data source to the System-release number data source. It also updates the Server Plan detail record to reflect completion.
spot rate	An exchange rate entered at the transaction level. This rate overrides the exchange rate that is set up between two currencies.
Specification merge	A merge that comprises three merges: Object Librarian merge, Versions List merge, and Central Objects merge. The merges blend customer modifications with data that accompanies a new release.
specification	A complete description of a PeopleSoft EnterpriseOne object. Each object has its own specification, or name, which is used to build applications.
Specification Table Merge Workbench	An application that, during the Installation Workbench process, runs the batch applications that update the specification tables.
store-and-forward	The mode of processing that enables users who are disconnected from a server to enter transactions and then later connect to the server to upload those transactions.
subscriber table	Table F98DRSUB, which is stored on the publisher server with the F98DRPUB table and identifies all of the subscriber machines for each published table.
supplemental data	Any type of information that is not maintained in a master file. Supplemental data is usually additional information about employees, applicants, requisitions, and jobs (such as an employee's job skills, degrees, or foreign languages spoken). You can track virtually any type of information that your organization needs. For example, in addition to the data in the standard master tables (the Address Book Master, Customer Master, and Supplier Master tables), you can maintain other kinds of data in separate, generic databases. These generic databases enable a standard approach to entering and maintaining supplemental data across PeopleSoft EnterpriseOne systems.
table access management (TAM)	The PeopleSoft EnterpriseOne component that handles the storage and retrieval of use-defined data. TAM stores information, such as data dictionary definitions; application and report specifications; event rules; table definitions; business function input parameters and library information; and data structure definitions for running applications, reports, and business functions.
Table Conversion Workbench	An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.
table conversion	An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.
table event rules	Logic that is attached to database triggers that runs whenever the action specified by the trigger occurs against the table. Although PeopleSoft EnterpriseOne enables event rules to be attached to application events, this functionality is application specific. Table event rules provide embedded logic at the table level.
terminal server	A server that enables terminals, microcomputers, and other devices to connect to a network or host computer or to devices attached to that particular computer.

three-tier processing	The task of entering, reviewing and approving, and posting batches of transactions in PeopleSoft EnterpriseOne.
three-way voucher match	In PeopleSoft EnterpriseOne Procurement and Subcontract Management, the process of comparing receipt information to supplier's invoices to create vouchers. In a three-way match, you use the receipt records to create vouchers.
transaction processing (TP) monitor	A monitor that controls data transfer between local and remote terminals and the applications that originated them. TP monitors also protect data integrity in the distributed environment and may include programs that validate data and format terminal screens.
transaction set	An electronic business transaction (electronic data interchange standard document) made up of segments.
trigger	One of several events specific to data dictionary items. You can attach logic to a data dictionary item that the system processes automatically when the event occurs.
triggering event	A specific workflow event that requires special action or has defined consequences or resulting actions.
two-way voucher match	In PeopleSoft EnterpriseOne Procurement and Subcontract Management, the process of comparing purchase order detail lines to the suppliers' invoices to create vouchers. You do not record receipt information.
User Overrides merge	Adds new user override records into a customer's user override table.
variance	In Capital Asset Management, the difference between revenue generated by a piece of equipment and costs incurred by the equipment. In EnterpriseOne Project Costing and EnterpriseOne Manufacturing Management, the difference between two methods of costing the same item (for example, the difference between the frozen standard cost and the current cost is an engineering variance). Frozen standard costs come from the Cost Components table, and the current costs are calculated using the current bill of material, routing, and overhead rates.
Version List merge	The Versions List merge preserves any non-XJDE and non-ZJDE version specifications for objects that are valid in the new release, as well as their processing options data.
visual assist	Forms that can be invoked from a control via a trigger to assist the user in determining what data belongs in the control.
vocabulary override	An alternate description for a data dictionary item that appears on a specific PeopleSoft EnterpriseOne or World form or report.
wchar_t	An internal type of a wide character. It is used for writing portable programs for international markets.
web application server	A web server that enables web applications to exchange data with the back-end systems and databases used in eBusiness transactions.
web server	A server that sends information as requested by a browser, using the TCP/IP set of protocols. A web server can do more than just coordination of requests from browsers; it can do anything a normal server can do, such as house applications or data. Any computer can be turned into a web server by installing server software and connecting the machine to the internet.
Windows terminal server	A multiuser server that enables terminals and minimally configured computers to display Windows applications even if they are not capable of running Windows software themselves. All client processing is performed centrally at the Windows terminal server and only display, keystroke, and mouse commands are transmitted over the network to the client terminal device.

workbench	A program that enables users to access a group of related programs from a single entry point. Typically, the programs that you access from a workbench are used to complete a large business process. For example, you use the EnterpriseOne Payroll Cycle Workbench (P07210) to access all of the programs that the system uses to process payroll, print payments, create payroll reports, create journal entries, and update payroll history. Examples of PeopleSoft EnterpriseOne workbenches include Service Management Workbench (P90CD020), Line Scheduling Workbench (P3153), Planning Workbench (P13700), Auditor's Workbench (P09E115), and Payroll Cycle Workbench.
work day calendar	In EnterpriseOne Manufacturing Management, a calendar that is used in planning functions that consecutively lists only working days so that component and work order scheduling can be done based on the actual number of work days available. A work day calendar is sometimes referred to as planning calendar, manufacturing calendar, or shop floor calendar.
workflow	The automation of a business process, in whole or in part, during which documents, information, or tasks are passed from one participant to another for action, according to a set of procedural rules.
workgroup server	A server that usually contains subsets of data replicated from a master network server. A workgroup server does not perform application or batch processing.
XAPI events	A service that uses system calls to capture PeopleSoft EnterpriseOne transactions as they occur and then calls third-party software, end users, and other PeopleSoft systems that have requested notification when the specified transactions occur to return a response.
XML CallObject	An interoperability capability that enables you to call business functions.
XML Dispatch	An interoperability capability that provides a single point of entry for all XML documents coming into PeopleSoft EnterpriseOne for responses.
XML List	An interoperability capability that enables you to request and receive PeopleSoft EnterpriseOne database information in chunks.
XML Service	An interoperability capability that enables you to request events from one PeopleSoft EnterpriseOne system and receive a response from another PeopleSoft EnterpriseOne system.
XML Transaction	An interoperability capability that enables you to use a predefined transaction type to send information to or request information from PeopleSoft EnterpriseOne. XML transaction uses interface table functionality.
XML Transaction Service (XTS)	Transforms an XML document that is not in the PeopleSoft EnterpriseOne format into an XML document that can be processed by PeopleSoft EnterpriseOne. XTS then transforms the response back to the request originator XML format.
Z event	A service that uses interface table functionality to capture PeopleSoft EnterpriseOne transactions and provide notification to third-party software, end users, and other PeopleSoft systems that have requested to be notified when certain transactions occur.
Z table	A working table where non-PeopleSoft EnterpriseOne information can be stored and then processed into PeopleSoft EnterpriseOne. Z tables also can be used to retrieve PeopleSoft EnterpriseOne data. Z tables are also known as interface tables.
Z transaction	Third-party data that is properly formatted in interface tables for updating to the PeopleSoft EnterpriseOne database.

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