PeopleSoft®

PeopleSoft Enterprise Financial Gateway 8.9 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.
Italics	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 *O*.
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

As of Date — The last date for which a report or process includes data.

Business Unit — An ID that represents a high-level organization of business information. You can use a business unit to define regional or departmental units within a larger organization.

Description — Enter up to 30 characters of text.

Effective Date — The date on which a table row becomes effective; the date that an action begins. For example, to close out a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages or panels and batch processes that use the information use the current row.

Once, Always, and **Don't Run** — Select Once to run the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to Don't Run.

Select Always to run the request every time the batch process runs.

Select Don't Run to ignore the request when the batch process runs.

Process Monitor — Click to access the Process List page, where you can view the status of submitted process requests.

Report Manager — Click to access the Report List page, where you can view report content, check the status of a report, and see content detail messages (which show you a description of the report and the distribution list).

Request ID — An ID that represents a set of selection criteria for a report or process.

Run — Click to access the Process Scheduler request page, where you can specify the location where a process or job runs and the process output format.

SetID — An ID that represents a set of control table information, or TableSets. TableSets enable you to share control table information and processing options among business units. The goal is to minimize redundant data and system maintenance tasks. When you assign a setID to a record group in a business unit, you indicate that all of the tables in the record group are shared between that business unit and any other business unit that also assigns that setID to that record group. For example, you can define a group of common job codes that are shared between several business units. Each business unit that shares the job codes is assigned the same setID for that record group.

Short Description — Enter up to 15 characters of text.

User ID — An ID that represents the person who generates a transaction.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler

Enterprise PeopleTools 8.46 PeopleBook: Using PeopleSoft Applications

PeopleSoft Enterprise Financial Gateway PeopleBook Preface

This preface discusses:

- PeopleSoft products.
- PeopleSoft application fundamentals.
- Pages with deferred processing.
- Common elements in this PeopleBook.

Note. This PeopleBook documents only page elements that require additional explanation. If a page element is not documented with the process or task in which it is used, then it either requires no additional explanation or is documented with the common elements for the section, chapter, or PeopleBook.

PeopleSoft Products

This PeopleBook refers to these products:

- PeopleSoft Enterprise Cash Management.
- PeopleSoft Enterprise Deal Management.
- PeopleSoft Enterprise Payables.
- PeopleSoft Enterprise Receivables.
- PeopleSoft Enterprise General Ledger.
- PeopleSoft Enterprise eSettlements.
- PeopleSoft Enterprise Expenses.
- PeopleSoft EnterpriseOne General Accounting.

PeopleSoft Application Fundamentals

The *PeopleSoft Enterprise Financial Gateway 8.9 PeopleBook* provides implementation and processing information for Financial Gateway. There is also additional, essential information describing the setup and design of your system resides in companion documentation. The companion documentation consists of important topics that apply to many or all PeopleSoft applications across the Financials, Enterprise Service Automation, and Supply Chain Management product lines. You should be familiar with the contents of these PeopleBooks.

The following companion PeopleBooks apply specifically to Financial Gateway:

- *PeopleSoft Enterprise Cash Management 8.9 PeopleBook*
- *PeopleSoft Enterprise Applications Fundamentals 8.9 PeopleBook*

- *PeopleSoft Enterprise Global Options and Reports 8.9 PeopleBook*
- *PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook*

Pages with Deferred Processing

Several pages in Financial Gateway operate in deferred processing mode. Most fields on these pages are not updated or validated until you save the page or refresh it by clicking a button, link, or tab. This delayed processing has various implications for the field values on the page—for example, if a field contains a default value, any value you enter before the system updates the page overrides the default. Another consequence of deferred processing is that the system updates quantity balances or totals only when you save or otherwise refresh the page.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Application Designer

Common Elements Used in This PeopleBook

Account	ChartField that identifies the nature of a transaction for corporate accounts.
Affiliate	ChartField used to map transactions between business units when using a single interunit account.
Alt Acct (alternate account)	ChartField that identifies the nature of a transaction for statutory accounts. This field appears only if you enabled the Alternate Account option for your organization and for the general ledger business unit.
Application Tables	The main set of database tables an application is built on. Inquiries, batch processes, and analytic functions are operations that process application table data.
Class	ChartField that identifies a particular appropriation when you combine it with a fund, department ID, program code, and budget reference.
Currency	Code that identifies the type of currency for an amount, such as USD or FRF.
Dept (department)	ChartField that indicates who is responsible for or affected by the transaction.
Description	Free-flow text up to 256 characters.
Effective Date	Date on which a table row becomes effective; the date that an action begins. For example, to close out a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages and batch processes that use the information use the current row.
Fund	ChartField that represents structural units for education and government accounting. Can also represent a divisional breakdown in your organization.

Fund Affiliate	ChartField used to correlate transactions between funds when using a singe intraunit account.
Language	The language in which you want the field labels and report headings of your reports to print. The field values appear as you enter them.
Oper Unit (operating unit)	ChartField used to identify a location, such as a distribution warehouse or sales center.
Process Frequency	Select from: *Once:* Runs the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to *Don't Run.* *Always:* Runs the request every time the batch process runs. *Don't Run:* Ignores the request when the batch process runs.
Process Monitor	This link takes you to the Process List page, where you can view the status of submitted process requests.
Product	ChartField that captures additional information useful for profitability and cash flow analysis by product sold or manufactured.
Program	ChartField that identifies groups of related activities, cost centers, revenue centers, responsibility centers, and academic programs. Tracks revenue and expenditures for programs.
Project	ChartField that captures information for project or grant accounting.
Report ID	The report identifier.
Report Manager	This link takes you to the Report List page, where you can view report content, check the status of a report, and see content detail messages (which show you a description of the report and the distribution list).
Run	This button takes you to the Process Scheduler request page, where you can specify the location where a process or job runs and the process output layout.
Run Control ID	An identification code that identifies the run parameters for a report or process.
SetID	An identification code that represents a set of control table information or table sets. A tableset is a group of tables (records) necessary to define your company's structure and processing options.
Short Description	Free-flow text up to 15 characters.
Source Application	Any application from which payment transactions originate before being sent to Financial Gateway for processing. PeopleSoft Enterprise source applications include Cash Management, Deal Management, Accounts Payable, and Accounts Receivable.
Staging Tables	A set of database tables designed to temporarily hold data for a processing. Data is sent to, and stored in, staging tables before an integration process is run that loads the data into application tables.
Status	Indicates whether a row in a table is *Active* or *Inactive.* You cannot display inactive rows on transaction pages or use them for running batch processes. To maintain an audit trail, inactivate rather than delete data that you no longer use.

Unit Business unit for an item.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Using PeopleSoft Applications

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler

CHAPTER 1

Getting Started with PeopleSoft Enterprise Financial Gateway

This chapter discusses:

- Financial Gateway business processes.
- Financial Gateway integrations.
- Financial Gateway implementation.

Financial Gateway Business Processes

Financial Gateway provides the following business processes:

- Payment processing.
- Bank statement processing.
- Payment acknowledgment processing.

We cover these business processes in the business process chapters in this PeopleBook.

Financial Gateway Integrations

Financial Gateway integrates with the following PeopleSoft applications:

- Cash Management
- Deal Management
- Accounts Receivable
- Accounts Payable
- eSettlements
- Expenses

We cover integration considerations for both PeopleSoft and third-party applications in the implementation chapters in this PeopleBook.

Supplemental information about third-party application integrations is located on the PeopleSoft Customer Connection Web site.

Financial Gateway Implementation

Financial Gateway is a component of Cash Management. The setup tasks for Financial Gateway are included among the components that you must set up for Cash Management.

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 *About These PeopleBooks,* with information about where to find the current version of each.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Setup Manager

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Component Interfaces

PeopleSoft Enterprise Cash Management 8.9 PeopleBook, “Getting Started With PeopleSoft Enterprise Cash Management”

PeopleSoft Enterprise Cash Management 8.9 PeopleBook, “Defining Cash Management Processing Options”

CHAPTER 2

Defining Financial Gateway Integration Options

This chapter provides an overview of Financial Gateway integration process and discusses how to register a source application with Financial Gateway.

Understanding the Financial Gateway Integration Process

Source applications can easily integrate with Financial Gateway to take advantage of its payment processing functionality. Financial Gateway is delivered with Cash Management 8.9 and can integrate with:

- Treasury Management (Cash Management and Deal Management)
- Receivables
- Payables (Pay Cycle Manager)
- eSettlements
- Expenses (through Payables\Pay Cycle Manager)
- Third-party applications.

  For integrating with third-party applications, users can take advantage of Financial Gateway's robust integration functionality that provides the options of using flat files, component interfaces, or PeopleSoft Integration Broker to bring payments into the system.

These are the integration methods for integrating with Financial Gateway:

- Application Class

  Application classes are the most efficient method for integrating data between Financial Gateway and other PeopleSoft Enterprise source applications sharing the same database. This method employs a set of objects that use message structures as parameters, and initiates Financial Gateway processing. This method eliminates the need to set up Integration Broker to pass messages.
- Integration Broker (IB)

  Integration Broker can be used for non-PeopleSoft source applications capable of generating XML-based messages. For non-PeopleSoft source applications, the payment message structure is the same as those used with application classes, but Financial Gateway processes them differently. Since third-party source applications cannot call application classes, Integration Broker is used. Third-party source systems publish messages to the Integration Broker that are then routed to subscription PeopleCode. These subscription events call the same application classes used in the application class method. Both an application class call from a PeopleSoft source application and the execution of subscription code by a message in the Integration Broker execute the same logic used to pass the message structure to Financial Gateway and trigger processing logic.

The PAYMENT_REQUEST application message is sent from the third-party application and calls the Payment Load Application Engine process (PMT_LOAD) that loads payments into the Financial Gateway system.

The PAYMENT_CANCEL application message is sent from the third-party application to cancel payments that have already been sent to Financial Gateway.

The PAYMENT_RESPONSE application message is sent from Financial Gateway to the third-party application

For payment acknowledgments to nonPeopleSoft source applications, the acknowledgment message is published into the Integration Broker and routed to the source application. The node name of the source application may need to be captured to specifically route messages, however, a generic publish can also be used if there is more than one source application. In such cases, all involved source applications receive every acknowledgment. Hence, the file communication method is dependant on the connector used in the Integration Broker.

All of these application messages can be synchronous or asynchronous.

- Flat File

  For third-party source applications that are unable to create XML messages, Financial Gateway provides the Import Flat File component, which loads flat files in either predefined, comma-separated-value (CSV) format or a fixed-length-field format.

- Component Interface

  Component interfaces are another alternative method for sending payments to Financial Gateway from third-party source applications that lack the ability to create XML messages. This method allows the user to write custom programs using Java or C, and send payments to Financial Gateway without using flat files. PeopleSoft provides a component interface to populate payment request staging tables and submit a PAYMENT_REQUEST IP message that calls the PaymentHandler application class to process the request.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Component Interfaces

Enterprise PeopleTools 8.46 PeopleBook: PeopleCode API Reference, "File Class"

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker

Source Application Registration

This section discusses how to register source applications that are to be integrated with Financial Gateway.

Understanding the Registration Process

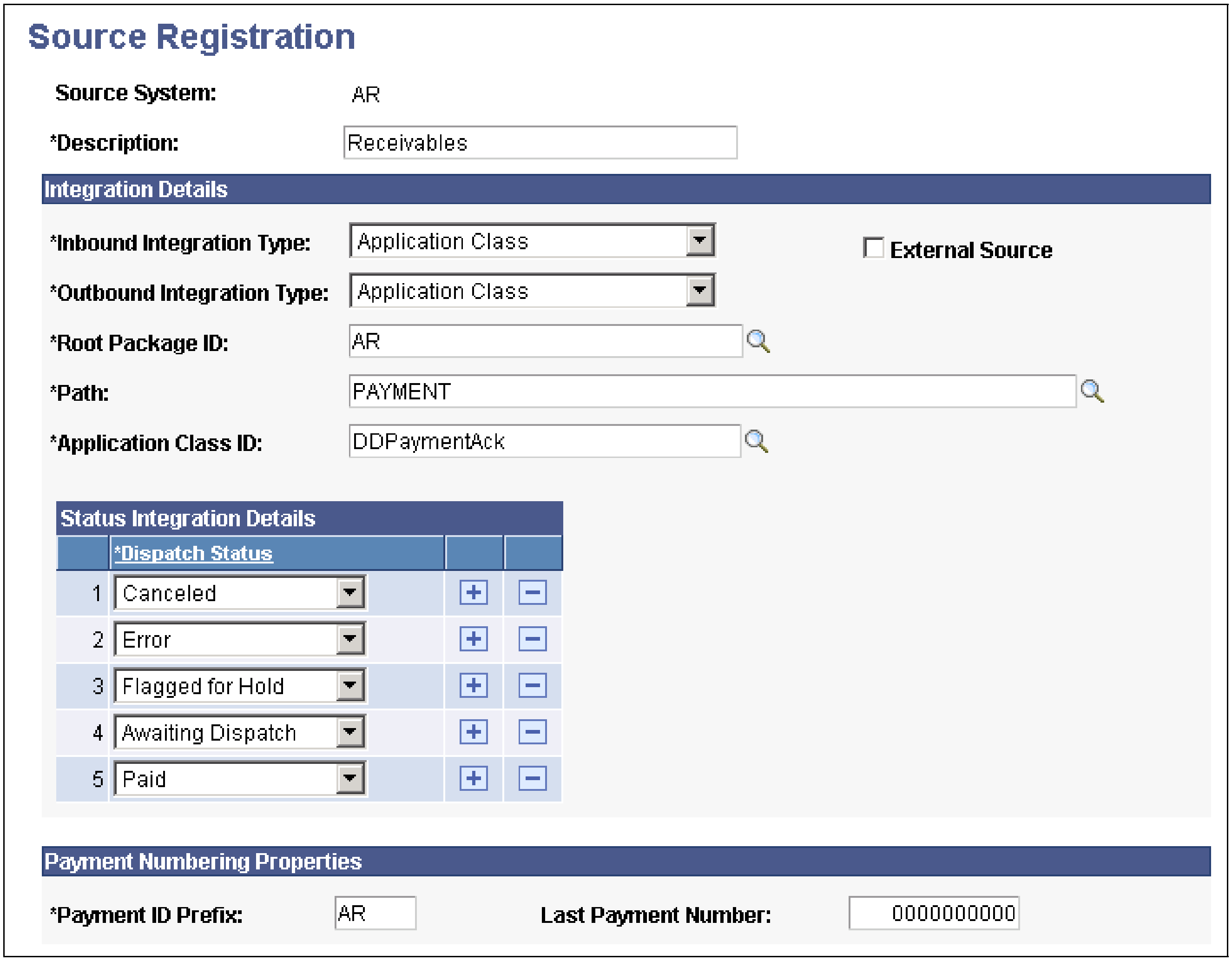
To establish integration, you must first register the source applications with Financial Gateway. The registration process defines the methods and data structures that are employed to send payments from source applications to Financial Gateway and payment acknowledgments from Financial Gateway back to the source applications. Registration also defines information to be included with the payment message that is used for validating the payment, creating a unique payment ID, and determining the status of the payment during the settlement process. Integration with PeopleSoft Enterprise applications is accomplished using a delivered set of integration modules.

Page Used to Register Source Applications

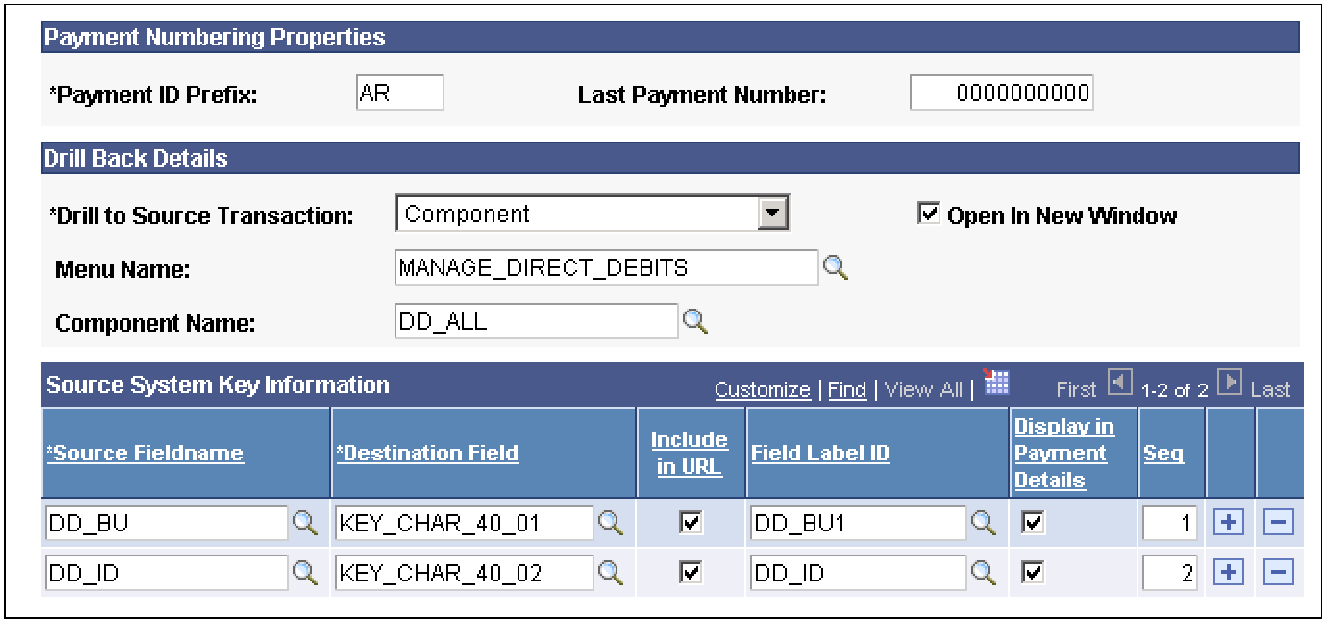
Page Name	Object Name	Navigation	Usage
Source Registration	PMT_REGISTRATION	Financial Gateway, Administration, Source Registration	Register a source application by defining the high-level information needed to process payments using Financial Gateway.

Registering Source Applications with Financial Gateway

Access the Source Registration page.



Source Registration page (top)



Source Registration page (bottom)

Integration Details

The Integration Details field values are preconfigured for integration between Financial Gateway and other PeopleSoft applications. Changes should only be made for registering third-party applications.

Inbound Integration Type and **Outbound Integration Type**

Choose from the following:

- *Application Class:* Select to perform integrations by calling application classes. If selected, then a Root Package, Path, and Class ID are required.
- *Integration Broker:* Select to use Integration Broker to pass data between the source application and Financial Gateway. If selected, a node must be defined.

  See Defining Integration Broker Settings for Payments
- *Flat File:* Select this option for making or canceling payments in predefined, comma-separated value (csv) file format or a fixed-length field format from a third-party application. If selected, a directory must be specified in the File Path field.
- *None:* Select if payment acknowledgment functionality is not enabled. This option is available only for outbound integration.
- *Component Interface:* Select this option for using a component interface to load transactions into Financial Gateway. This option is available only for inbound integration.

External Source

Select to enable the Execute Edit functionality that provides an additional level of data validation when importing payments from third-party applications.

Root Package ID

Enter an application class package name. This field appears only if Application Class is selected as an outbound integrations type. This value is delivered for integration with other PeopleSoft source applications.

Path This field appears only if Application Class is selected as an outbound integrations type. This value is delivered for integration with other PeopleSoft source applications.

Application Class ID This field appears only if Application Class is selected as an outbound integrations type. This value is delivered for integration with other PeopleSoft source applications.

Node Name Select a node to be used for communication between the source application and Financial Gateway using the Integration Broker. This field appears only if Integration Broker is selected as an outbound-integrations type.

Status Integration Details

The Status Integration Details allows you to select the number and types of payment statuses (up to 10 choices available) for determining the progress or state of each payment sent to a bank from a subsystem application through Financial Gateway. This group box does not appear if *None* is selected as the outbound integration type. Select from the following choices:

- *Canceled:* Identifying a payment that has been canceled. This status can only be sent in response to a request to cancel a payment by a subsystem.
- *Error:* An error can be generated and returned during any phase of the processing. If Financial Gateway cannot resolve the error, then the error is returned to the subsystem to identify that the payment will not be executed without subsystem rework. An error could be returned before a loaded status. Errors consist of an error code and a description.
- *Flagged for Hold:* The payment is being held from further processing until a manager or other approving authority gives approval to process it further.
- *In Process:* Payment is currently in the process of being sent to the bank by the Dispatch Payment Application Engine.
- *Awaiting Dispatch:* Returned after the payment is successfully persisted in the Financial Gateway database. A unique ID is generated in Financial Gateway and is returned with this status.
- *Paid:* Payment has been settled.
- *Received by Bank:* Payment has been received by bank and is being processed.
- *Dispatched to Bank:* Payment has been sent to bank. When a payment hits this status it may no longer be canceled.

Payment Numbering Properties

Payment ID Prefix Designate an alphanumeric prefix that will be used to identify the source application of the payment.

Last Payment Number Represents the payment identification number of the last payment sent by the source application. This value is automatically updated as payments are sent to Financial Gateway.

Drill Back Details

This functionality defines how the user can drill back to the source application to view details of a payment in Financial Gateway.

Drill to Source Transaction Choose a method for drilling back to the source application to view transaction details. Select from the following:

- *Component:* Used to drill back to a selected PeopleSoft source component using PeopleTools Transfer functionality. Using this method, enables users to drill back to the source application using links on the Review Payment page and Dispatch Payments page for users that have security access to the destination page.
- *DoModal Component:* Also used to drill back to a selected PeopleSoft source component. When selecting this option, a shared work record is populated that contains the Financial Gateway ID of the transaction. This shared work record is used with the DoModal component call.

  Using this method, users can not only drill back to the source application destination page (if they have security access), but also return back to the page of origin in Financial Gateway using a return button.
- *External URL:* This option allows the user to specify an external URL to view detailed transaction information contained outside of the PeopleSoft system. This method launches a new browser and passes the Financial Gateway transaction ID and the key information specified in the Source Key Information grid as a parameter in the URL to the desired destination.
- *None:* Select this option to disable the inquiry component and the drill-to-source-application functionality.

Menu Name Enter a valid PeopleTools object menu name. This field appears only if Component or DoModal Component is selected in the Drill to Source Transaction field.

Component Name Enter a valid PeopleTools object component. This field appears only if Component or DoModal Component is selected in the Drill to Source Transaction field.

Open in New Window Select to view transaction details in another Web browser when drilling back into a source application. This option is available only if External URL or Component is selected in the Drill to Source Transaction field.

Source System Key Information

Specify the metadata that is used by Financial Gateway to retrieve payment information from the source application. The retrieved payment data can be selected for display in Financial Gateway on the Review Payment Requests page and the Review Payment Details page. These field values are delivered preconfigured for PeopleSoft source applications.

Source Fieldname Select a field from the source application which contains payment data to be displayed in Financial Gateway.

Destination Field Select the field in the Payment Gateway records that stores the information used to tie back to the corresponding source field listed in the Source Fieldname field.

Include in URL Select to include the field within the URL that is generated to pass control back to the source system. This provides the source system with navigation to the appropriate page and the appropriate content.

Field Label ID Enter a label that is used to display the destination field.

Display in Payment Details Select to display field value on the Review Payment Requests page and Review Payment Details page.

Seq (Sequence) Enter numbers that specify the order in which the fields are displayed on the Payment Details page.

CHAPTER 3

Setting Up Electronic Banking Using Financial Gateway

This chapter provides an overview of electronic banking and discusses how to:

- Set up components that are common to bank statement, bank payment, and bank payment acknowledgment processing.
- Set up bank statement processing.
- Set up bank payment processing.
- Set up payment acknowledgment processing.
- Review event log information.
- Use a communications partner for electronic banking.

Understanding Electronic Banking

Financial Gateway provides the layouts and functionality needed to load electronic bank statements, electronic payments, and payment acknowledgments. You can also edit and expand the delivered functionality to suit your organization's needs.

You will probably want to implement both the bank statement import and payment dispatch functionality; however, you can implement just one or the other. When the payment processing is implemented, users can implement payment acknowledgment functionality as well. This chapter discusses the delivered functionality and configuration instructions.

You can import a variety of bank formatted files by:

- Using an FTP server.
- Using PeopleSoft Integration Broker.

See *PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook*, "Setting Up External, Internal, and Netting Accounts," Defining Payment Methods.

Transformation Architecture

Transformation programs (or Transforms) are application classes or PeopleSoft Application Engine (AE) programs that contain logic to convert source data into new output layouts. Transforms use Integration Point (IP) messages either as the source data or the transform output, depending on the direction. By using an AE for transformations, any PeopleTools technology, such as PeopleCode, Rowsets, File Layout Object, and XSLT, can be used to facilitate the creation of output layouts. Using these tools, you can create new layouts and maintain them in the standard PeopleSoft Application Designer environment. After you create a transformation program, you can register the program in the Layout Catalog for use in the processes.

For bank statement processing, the transformation program processes the bank statement as the data source. The formatting logic of the transformation AE or application class then converts the data into the BANK_STATEMENT_LOAD_VERSION_2 or BANK_ACCT_ANALYSIS_LOAD IP message that is then loaded into the system.

Payment Transformation programs do the opposite by processing the data that is contained in the PAYMENT_DISPATCH IP message into a new payment layout.

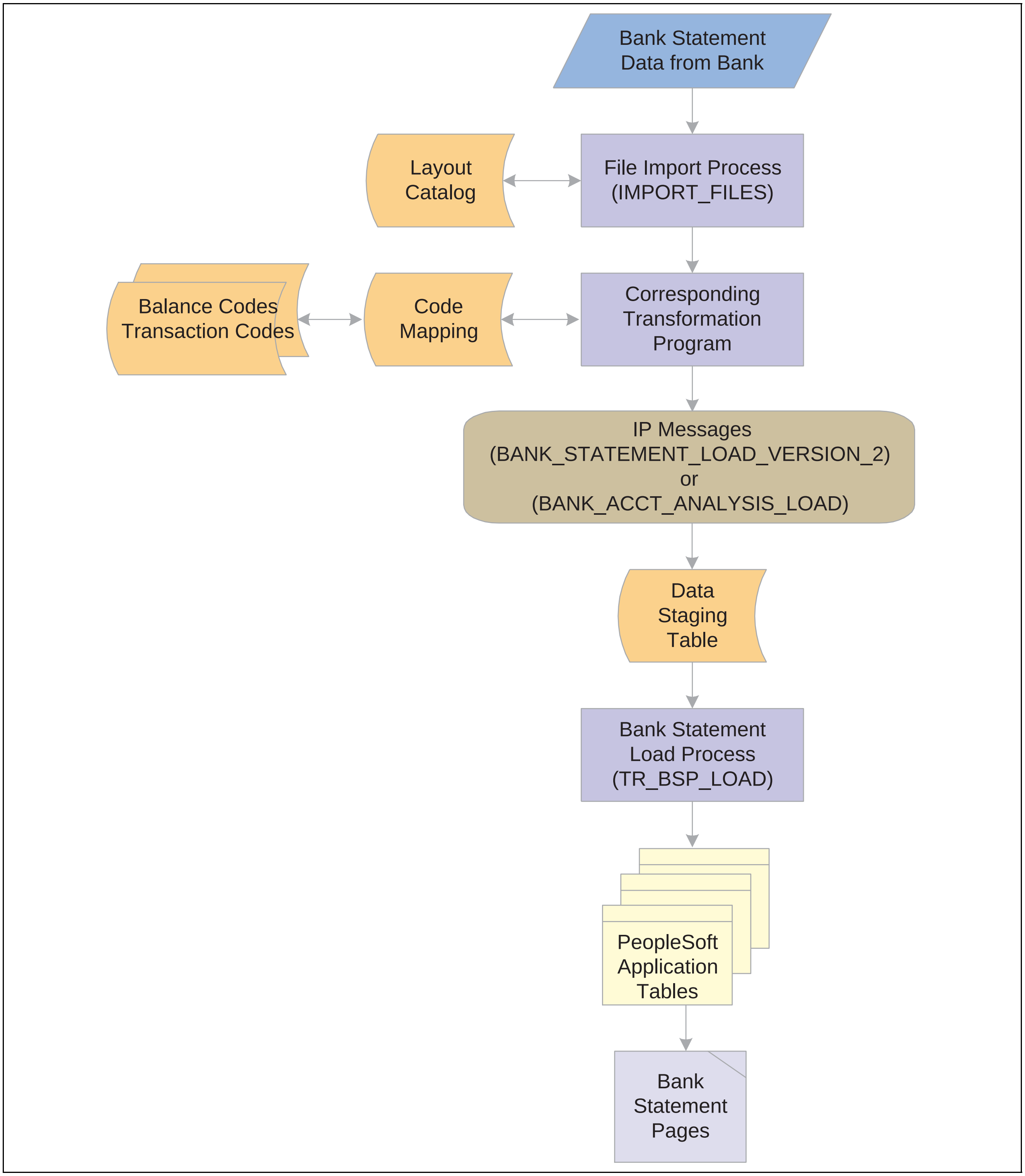
The Payment Acknowledgment Transformation Application Engine program processes the inbound data from the bank into the PAYMENT_ACKNOWLEDGE message.

Note. The delivered transformations, though developed to industry standards, are designed to be customized to meet the specific requirements of individual financial institutions.

See Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, “Applying Filtering, Transformation, and Translation,” Developing Transform Programs

Bank Statement Import Infrastructure

This diagram illustrates the Bank Statement Import process.



Bank Statement Import process

The Bank Statement Import process involves the following steps:

1. A bank administrator enters information pertaining to a bank statement data file.

   This initiates the File Import Application Engine process (IMPORT_FILES), which functions as an interface or shell to define the necessary commands for the system to import bank statements.

2. The File Import Application Engine reads the file's layout definition data (which is stored in the Layout Catalog) and calls the appropriate transformation process that corresponds to the file layout.
3. Each transformation Application Engine or application class handler has corresponding application classes that, combined with the balance and transaction codes (defined on the Balance Code and Transaction Code pages) and code mapping information (defined on the Code Mappings page), contain all of the required formatting logic to stage the data.

   Using the appropriate IP message, the transformation application engine loads the data into the staging tables.
4. After the data is loaded into the staging tables, the Bank Statement Load Application Engine process (TR_BSP_LOAD) transfers the data from the staging tables to the application tables. This process also checks for duplicate entries and verifies that the data will load into the application tables properly.

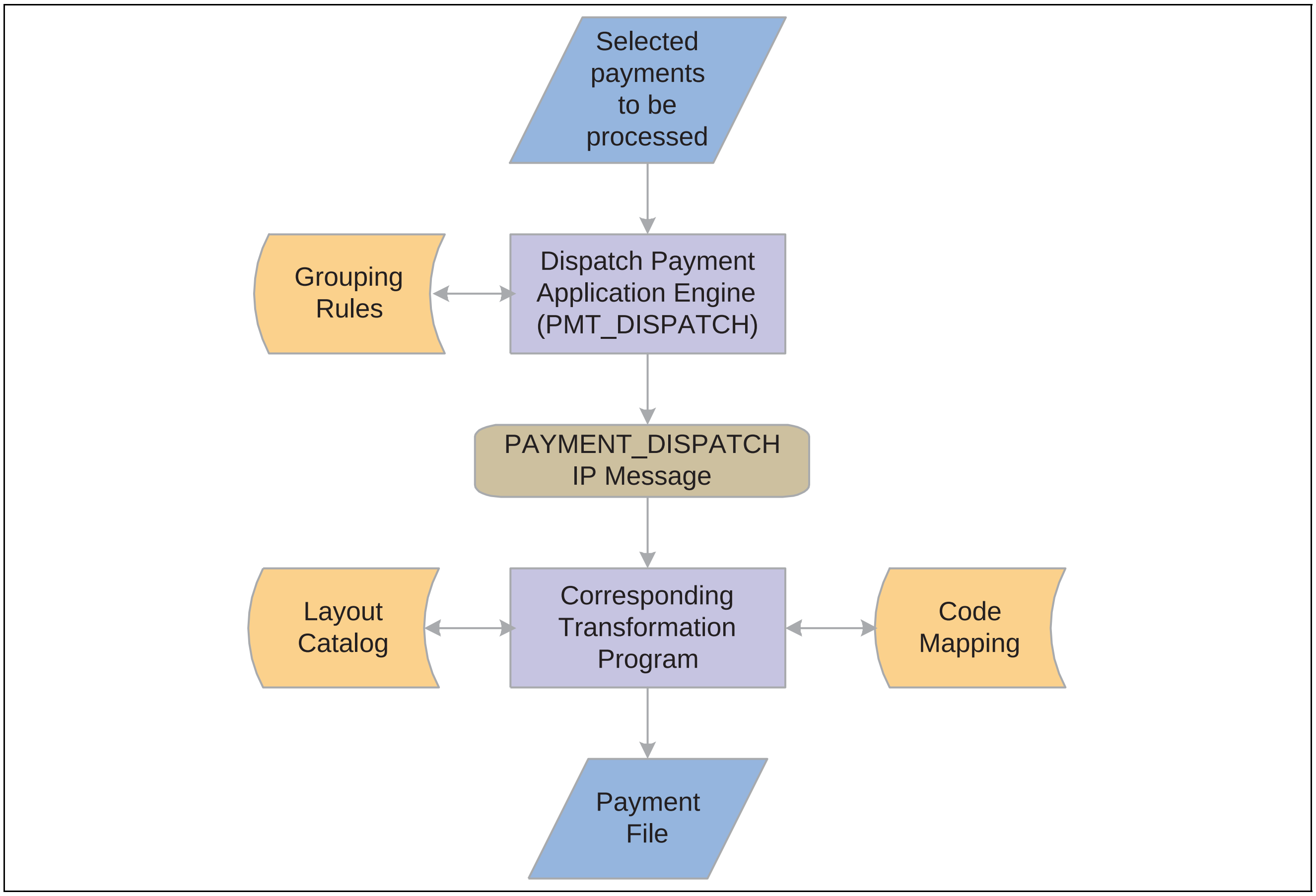
   When the data is in the application tables, it is available for viewing and editing on the various bank statement pages.

Using the Import Bank Statements page, you can configure the File Import Application Engine process to manage various import methods. The functionality can load data from a flat file or transmit file data from an FTP server by using PeopleSoft Integration Broker. If you decide to import the bank statement data by using FTP, you must also set up the standard and bank statement import-specific settings for Integration Broker. After you define the Integration Broker settings, you can select the Use Integration Broker check box under Advanced Options on the Import Bank Statements page to send the bank statement to other processes after it has been loaded.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Integration Broker Settings for Bank Statements and Payment Acknowledgments, page 33.

Bank Payment Infrastructure

This diagram illustrates the Payment Dispatch process.



Dispatch Payment process

The Payment Dispatch process provides the functionality to generate payment files in a variety of layouts and securely transmit them to the financial institution or place the files in a directory for another system to transmit. This design provides a flexible infrastructure that enables the user to define a variety of payment layouts, and encryption algorithms that are compatible with the financial institution. It also provides a structure that enables you to easily create new layouts or modify existing ones.

When you dispatch settlements for processing, you activate the Dispatch Payments Application Engine process (PMT_DISPATCH). This process uses metadata that is defined at the bank setup level, the payment dispatch IP message (PAYMENT_DISPATCH), and payment-layout transformation Application Engine programs to create formatted payment files. This overall process is called the Payment Dispatch process.

The Payment Dispatch process brings together all the payment file processing features to:

1. Gather the bank setup metadata, such as bank integration information, payment method, payment layout, bank communication and encryption information, and payment grouping rules.
2. Generate the PAYMENT_DISPATCH IP message.

   The outbound Payment Dispatch IP is used as a data source for the transformation process. File layouts are created from the data that is contained within this message.
3. Transform the Payment Dispatch IP to the appropriate PeopleSoft Financials, global, payment layout that the bank can receive in its raw form and use to settle payments. Payment layouts have an associated Application Engine program or application class that generates a formatted file.
4. Encrypt data by using PeopleTools security encryption.

5. Transmit the final formatted file, by publishing it to PeopleSoft Integration Broker functionality, or writing to a file and calling an external command to transmit the file.

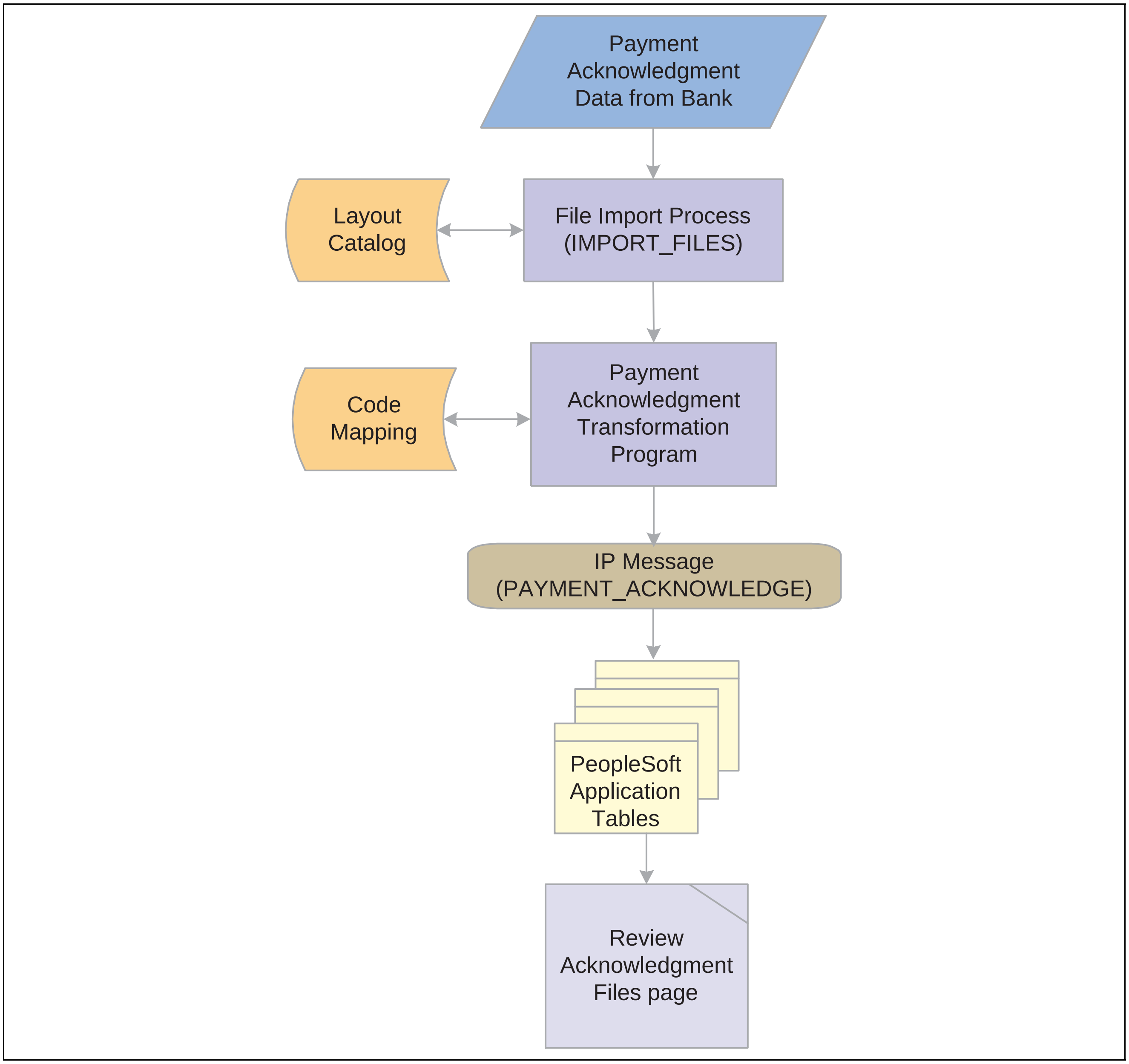
The PAYMENT_DISPATCH IP message is a structure to facilitate publishing payments. The supported payment methods are Automated Clearing House (ACH), Electronic Funds Transfer (EFT), direct debits (DD), and wire transfers (WIR). The IP message contains a superset of all information that is needed to settle multiple payment types on a global scale. This information includes representative parties, such as the payment originator, bank of origin, destination, destination bank, and the various settlement identification information that is required in different countries. The IP message can be received directly by the financial institution for processing in its raw format, with no transformation work required. Conversely, the IP message can be processed by a transformation program that transforms the IP message into an industry-standard, payment-file layout.

The system uses the PAYMENT_DISPATCH IP as the data source for file transformation programs—Application Engine or application classes—to format payment output files. You set up the transformation program in the Layout Catalog. There you specify layout information, such as the transformation Application Engine or application class t that contains the logic to generate the layout, layout-specific parameters, and supported payment methods.

Note. You can configure transformation Application Engine programs to use a combination of PeopleCode, file layouts, application classes, and XSLT to format files.

Bank Payment Acknowledgments Infrastructure

The infrastructure of the payment acknowledgments functionality is similar, though less complex, to the bank statement import infrastructure.



Payment acknowledgment import process

The Payment Acknowledgment Import process involves the following steps:

1. The File Import Application Engine process (IMPORT_FILES) downloads the payment acknowledgment into the system. Two types of acknowledgement are possible.

   The first acknowledgment—file acknowledgement—is sent after the payment file has been received and has passed basic bank validation involving checking for required fields and valid bank ID numbers. After the file has passed bank validation, and before actual settlement of the payment contents, an acknowledgement is generated to confirm whether the file is valid to continue processing or is in error.

   The second possible acknowledgement—payment acknowledgement—is sent after the actual payment has been processed by a clearing network or settlement process. The second acknowledgement can take the form of either a paid confirmation or an error message. Depending on the type of payment, a bank reference to the transaction, such as a federal reference number, may be included.

2. The Payment Acknowledgment Import Application Engine reads the file's layout definition data (which is stored in the Layout Catalog) and calls the transformation program—application class or the Payment Acknowledgment Transformation Application Engine (PMT_ACK_EIP)—to convert it into a PAYMENT_ACKNOWLEDGE message and load the data into the application tables.

   Payments and payment files in the Financial Gateway system are updated in accordance with the contents of the acknowledgements. If the source systems are set up to handle payment status updates, then the payments and payment files are also updated in the source systems as well.

3. Users access the Review Acknowledgment Files page to view a listing of the payment acknowledgment files.

Methods of Bank Communications

You can use various methods of communications to send payments to banks and receive bank statements and payment acknowledgements. Certain setup tasks are required based on the method that you use.

You can send payments that are outbound from Financial Gateway using:

- File Server

  Financial Gateway sends the payment files to a specified directory on a file server. The bank uses a third-party communications tool kit to transfer the payment files from the server to the bank.

- Integration Broker

  Financial Gateway sends the payment files to an Integration Broker node, which communicates with the bank using a specified connector—FTP, AS2, or HTTP.

You can import bank statements and payment acknowledgements from a bank using:

- File Server

  The bank uses third-party communications tool kit to transfer the bank statement or payment acknowledgement files to a specified directory on a file server. Financial Gateway uses the IMPORT_FILES Application Engine processes to import them into the system.

- Integration Broker

  The bank sends the bank statement or payment acknowledgement files to an Integration Broker node, which communicates with the Financial Gateway using a specified connector—FTP, AS2, or HTTP.

Use this table as a guide to determine the application page that you must set up to transmit a particular file type.

File Type	Transmission Method	Application Page
Payment	File Server	Bank Integration Layout
Payment	Integration Broker	Bank Integration Layout
Bank Statement	File Server	Import Bank Statements (Import Type: File)
Bank Statement	Integration Broker using FTP connector	Import Bank Statements (Import Type: FTP)
Bank Statement	Integration Broker using connector other than FTP	Bank Integration Layout

File Type	Transmission Method	Application Page
Payment Acknowledgment	File Server	Import Acknowledgement Files (Import Type: File)
Payment Acknowledgment	Integration Broker using FTP connector	Import Acknowledgement Files (Import Type: FTP)
Payment Acknowledgment	Integration Broker using connector other than FTP	Bank Integration Layout

Setting Up Common Components for Bank Statement, Payment, and Payment Acknowledgment Processing

To define event code notification, use the Enter Event Code Definition component (TR_EVENT_CD_DEF_GBL).

This section discusses how to set up components that are used to:

- Import bank statements.
- Dispatch payments.
- Import payment acknowledgements.

Components Common to Bank Statement, Payment, and Payment Acknowledgment Processing

These application pages are common to setting up the three electronic banking processes:

- Layout Catalog

  The Layout Catalog is a repository of information that is used for establishing how data should be formatted when processing bank statements, payments, and payment acknowledgements.

- Code Mappings

  For Bank Statement Import processing, you map external bank codes to their internal PeopleSoft equivalents to ensure efficient statement processing.

  For Dispatch Payment processing, the Code Mappings page is used to associate PeopleSoft input code values with external bank output code values.

- Event Code Definition

  You can define events that can occur during Bank Statement Import and Dispatch Payment processing for which interested parties will be notified by email.

- Node Definition (optional)

  Define nodes only if PeopleSoft Integration Broker is used to transmit files between Financial Gateway and the bank.

- Encryption Profile (optional)

You can use encryption algorithms to secure statement and payment files that are sent between your organization and your bank.

Understanding the Layout Catalog

The Layout Catalog is the central repository for information regarding all supported bank payment, payment acknowledgment, and bank statement layouts. After a layout is added to this component, it is available for use within the system. The component contains all the information about a layout—such as the transformation Application Engine program or application class that contains the logic to process the layout—that the system needs at setup and runtime. This component is configurable to meet each bank's specific formatting needs.

Note. PeopleSoft also provides two additional layouts in the layout catalog: one for importing investment pool data that is used in Cash Management, and one for importing stock quotes that are used in Deal Management.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Configuring Bank Statement, Payment, and Payment Acknowledgment Layouts, page 25.

See *PeopleSoft Enterprise Cash Management 8.9 PeopleBook*, "Managing Investment Pools," Maintaining Pool Positions.

See *PeopleSoft Enterprise Deal Management 8.9 PeopleBook*, "Managing Equity Deals," Maintaining Equities.

Delivered Bank Payment Layouts

PeopleSoft delivers these bank payment layouts:

Layout ID	Layout Name	Supported Payment Method
820	EDI 820 payment layout	Wire Transfer (WIR)
820 ACH	EDI 820 payment layout for ACH	Automated Clearing House (ACH) Direct Debit (DD)
CCD	NACHA CCD payment layout	ACH DD
CCD+	NACHA CCD+ payment layout	ACH DD
CTX	NACHA CTX payment layout	ACH DD
DIRDEB	Edifact version 96A payment layout	DD
FUNDTRNFR	Funds Transfer	WIR
MT101	SWIFT MT101 payment layout	WIR EFT
MT103	SWIFT MT103 payment layout	WIR EFT

Layout ID	Layout Name	Supported Payment Method
MT103 BULK	Multi 103 payment layout	WIR EFT
PAYMENTEIP	PeopleSoft XML layout, PAYMENT_DISPATCH IP Message	ACH DD WIR Electronic Funds Transfer (EFT)
PAYMUL	Edifact Version 96A payment layout	EFT
CORECRDTRN	ISO 20022 Payment Initiation	WIR
PPD	NACHA PPD Payment Format	ACH DD
STPCREDTRN	ISO 20022 STP Credit Transfer	WIR
PAYREQEIP	Inbound Payment Request	PeopleSoft Inbound Payment layout in CSV or fixed-length, flat-file format.

Delivered Bank Statement Layouts

PeopleSoft delivers these bank statement layouts:

Layout ID	Layout Name	Document Type
BAI2	BAI2 bank statement layout	Bank Statement
EDI822	EDI 822 account analysis	Bank Statement
FINSTA	FINSTA bank statement layout	Bank Statement
PSBD1	PeopleSoft Business Document version 1	Bank Statement
PSBD2	PeopleSoft Business Document version 2	Bank Statement (for PeopleSoft FMS 8.8 and later*)
MT940	SWIFT MT940 bank statement layout	Bank Statement
MT942	SWIFT MT942 bank statement layout	Bank Statement

Note. You can import bank-statement, data files using the PSBD2 layout if you have Cash Management 8.8 installed and are using a third-party, communication toolkit that has the capability of processing files in XML format. Sample files that can be used as guidelines for transforming bank-statement, date files into the PSBD2 layout can be found on Customer Connection.

Delivered Bank Payment Acknowledgment Layouts

PeopleSoft delivers these Payment Acknowledgment layouts:

Layout ID	Layout Name	Document Type
PMTACKEIP	PeopleSoft Acknowledgment layout	Payment Acknowledgment
EDI997/824	EDI X12 997/824	Payment Acknowledgment (payment validated and payment complete)
BANSTA	Edifact Version 96A Acknowledgment layout	Payment Acknowledgment (bank payment acknowledgment)
CONTRL	Edifact Version 96A Acknowledgment layout	Payment Acknowledgment (bank payment file acknowledgment)
PMTINITACK	ISO 20022 payment status XML	Payment Acknowledgment

Understanding Code Mapping

Code Mappings enable you to define the mappings between external system codes with their equivalent internal PeopleSoft codes. For example, PeopleSoft stores *03* account types as checking accounts, and the required code for the EDI 820 bank statement layout is *DA* for deposit account. Code mappings are used to map these hard-coded field values to each other so that the transformation program component can use them. This allows a single transformation program to be used across multiple banks even though the program may need different code mappings.

Code mappings are most useful for fields that may change for every bank. Bank statement processing uses mappings for three fields: bank statement codes, reconciliation or "recon" codes, and statement activity types. For example, a bank identifies certain miscellaneous fees with the numeric code *564.* If you define it as a *Bank Fee,* you can assign the input value of 564 to the output value of *BKFEE.* Other banks may use a different value to identify bank fee.

See *PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook*, "Setting Up Reconciliation," Defining Statement Activities.

There are three levels to the code mapping data-structure hierarchy:

- Code Map Group: The highest level, this is a container for all the fields for a given code map set. For instance, a code map group could represent all the code mappings for a particular bank.
- Code Map Header: The second level, this represents a particular field for which the transformation application engine obtains the code map.
- Code Map Items: The items contain all the possible input and output values for a particular field or header.

To access Code Mappings defined in the database, use an application class entitled *CodeMapper* within the transformation program.

Class CodeMapper

To access Code Mappings, which is defined in the database, use an application class entitled CodeMapper within the transformation program. This table provides the details of the CodeMapper Application Class (Package - TR_CODE_MAPPING.Utilities).

Note. The CodeMapper application class should only be accessed by advanced users to customize their layouts or create a new layout program.

Method	Description
public `CodeMapper()`	The constructor for this class.
public String `getDefault(String groupID, String fieldName)`	Obtains the default value for a code map field based on the group ID and field name.
public String `getInput(String groupID, String fieldName, String outputVal)`	Obtains an input value based on the group ID, field name, and output value that are passed into the method.
public String `getOutput(String groupID, String fieldName, String inputVal)`	Obtains an output value based on the group ID, field name, and input value that are passed into the method.
`initializeRowset(String groupID)`	Initializes the rowset that is used by the component. In essence, this method will obtain all the possible mappings for the given group ID. This minimizes the number of trips to the database and in turn decreases the amount of time to search for a value. This method must be called prior to any of the previous methods being called.

The following code sample illustrates how to use the CodeMapper class within PeopleCode:

```
/* Import the code mapping class into the people code where it is to be
called */
import TR_CODE_MAPPING:Utilities:CodeMapper;

/* Initialize the object (this initiates the constructor for the class */
&oMapper = create CodeMapper();

/* Initializes the object to contain the data for the given Group */
&oMapper.initializeRowset(&strGroupID);

/* Obtain the output value for the given Group ID, the field called
"BANK_STMT_CODE" and the value in &strInput */
&strOutput = &oMapper.getOutput(&strGroupID, "BANK_STMT_CODE", &strInput);
```

Understanding File Encryption

The files that are sent to and received from your bank during the Dispatch Payment and Bank Statement processes can be encrypted and decrypted. This functionality is provided by the PeopleTools Pluggable Encryption Technology (PET), which supports several industry standard encryption formats that are used by a large number of banks. To enable encryption and decryption, you need to create encryption profiles in PeopleTools. For complete instructions on setup and configuration, see *Enterprise PeopleTools 8.46 PeopleBook: Security Administration.*

The general steps for setting up an encryption profile are:

1. Consult your bank to determine a common algorithm to use.

   Most likely, your bank will support either the PGP, SMIME, or PKCS#7 format.

2. Install the required toolkit to produce the encryption format.

   PGP requires a software developer kit to be purchased from the PGP Corporation. PKCS#7 requires OpenSSL. Some OpenSSL files are delivered with PeopleTools. Installation instructions can be found in *Enterprise PeopleTools 8.46 PeopleBook: Security Administration.*

3. Load public and private keys into the PeopleTools PET Keyset store.

   PGP, SMIME, and PKCS7 require a key pair to be generated. PGP functionality requires a secondary utility called PGP Mail to help facilitate managing and creating keys. OpenSSL provides a command line where X509 key pairs can be generated. In either case, you will need to exchange public keys with your bank and load the banks public keys into the keystore.

Note. Installing PGP Mail may cause encryption errors if you install it on the same machine as the PeopleSoft Process Scheduler and the PGP SDK.

Also, OpenSSL provides some documentation on their Web site to help with the preceding setup task. See http://www.openssl.org/docs/HOWTO/. The PKCS#7 keys should not be self-signed certificates. They must be signed by a real Certification Authority (CA), such as VeriSign or your bank, or signed by a CA that you created with OpenSSL.

See Also

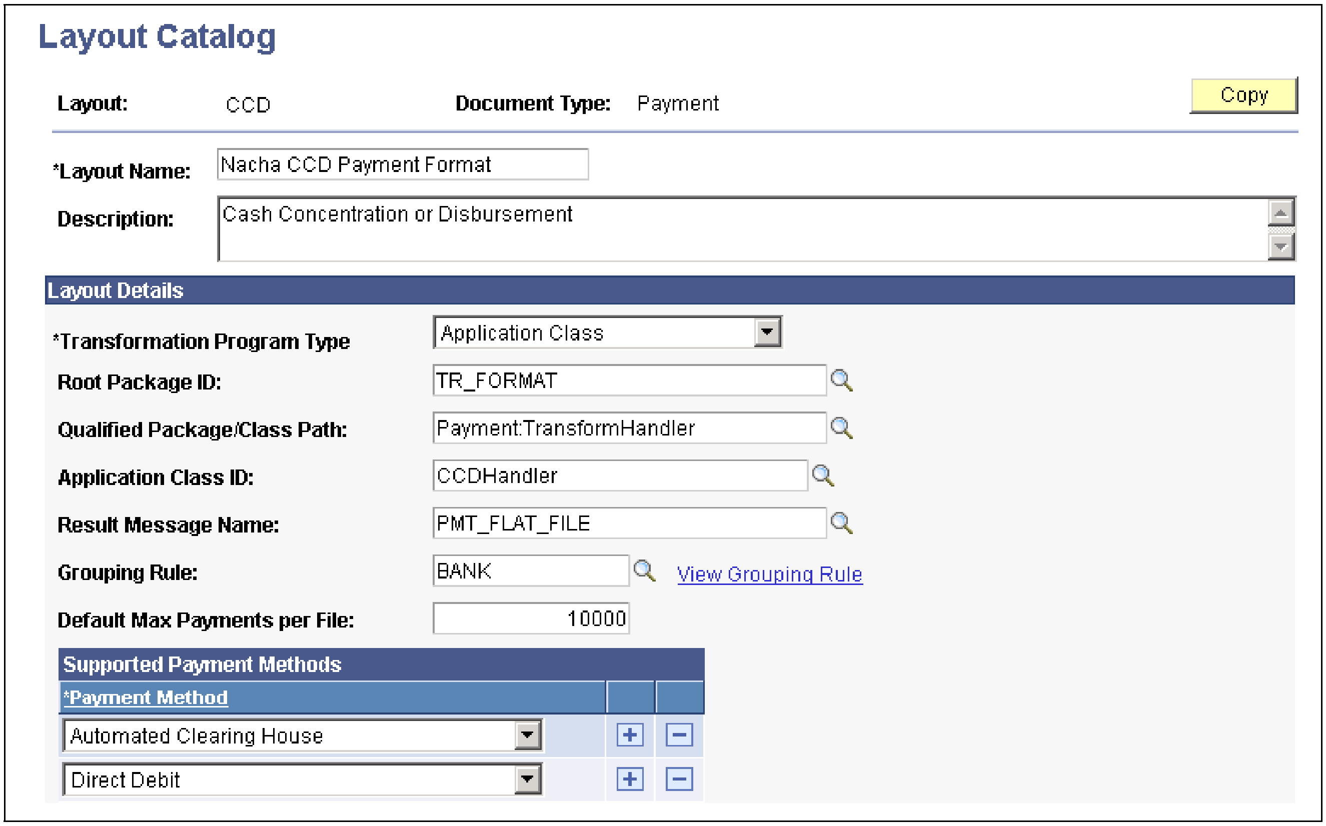
Enterprise PeopleTools 8.46 PeopleBook: Security Administration

Pages Used to Set Up Common Components for Bank Statement, Payment, and Payment Acknowledgment Processing

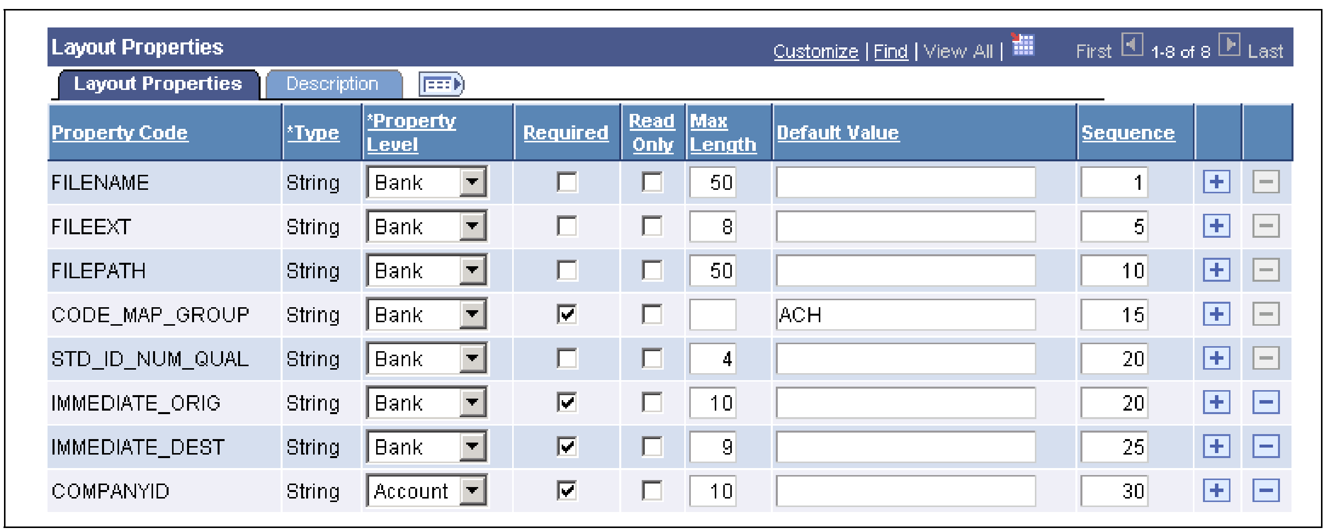
Page Name	Object Name	Navigation	Usage
Layout Catalog	PMT_FORMAT_CATLOG	Banking, Administer Bank Integration, Layout Catalog	Create new or modify existing bank statement, payment, and payment acknowledgment layouts by defining transformation processing details, payment methods, parameters, and properties.
Code Mappings	TR_CODE_MAPPINGS	Banking, Administer Bank Integration, Code Mappings	Define input and output values for mappings of a selected code map group.
Event Code Definition	TR_EVENT_CD_DEF_PG	Set Up Financials/Supply Chain, Product Related, Treasury, Enter Event Code Definition	Enter codes for system events, and define actions for the system to perform when they occur.
Node Definitions	IB_NODE	PeopleTools, Integration Broker, Node Definitions	Define Integration Broker node definitions for bank statement and payment processing functionality.
Node Info	IB_NODE	PeopleTools, Integration Broker, Node Definitions	Establish Integration Broker node definitions for bank payment and statement processing.
Encryption Profile	ENCRYPTION_PRFL	PeopleTools, Security, Encryption, Encryption Profile	Define encryption standards to be used to protect data when communicating with banks. Determine algorithms and store public and private keys that are used in encryption. See Enterprise PeopleTools 8.46 PeopleBook: Security Administration , “Securing Data with Pluggable Cryptography”

Configuring Bank Statement, Payment, and Payment Acknowledgment Layouts

Access the Layout Catalog page.



Layout Catalog page – payment type (top)



Layout Catalog page – payment type (bottom)

Define the file layouts, output type, and integration options that a particular bank supports. The catalog stores information about the layout, the program name containing the logic to generate or process the layout, and additional required setup or processing parameters that the layout requires.

If the bank does not support any of the delivered layouts or has a modified version of a delivered layout, you can create a new layout or edit a delivered layout. After a new or modified layout is added to the Layout Catalog, it is available for use in the system.

If you are adding new layouts or editing existing layouts for an organization's payment processing requirements, you must first create the new layout before you can continue this setup procedure. Follow the procedures to create a new layout that are outlined in the sections Defining Payment Grouping Rules, Defining Code Mappings for Banks Statements, Payments, and Payment Acknowledgments, and Creating Payment Layouts. Then add the new layout to the Layout Catalog.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Understanding the Layout Catalog, page 20.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Creating Payment Layouts, page 44.

Layout Details

Transformation Program Name

Select the method used to create or process a file layout. The options are:

- *Application Class:* Select to perform transformations by calling application classes. If selected, then a Root Package, Path, and Class ID are required.
- *AE Transform:* Select to perform transformations by calling an Application Engine.

For payments, this transformation program will process the PAYMENT_DISPATCH IP into a payment file layout.

For bank statements, this transformation will process a bank-statement-file layout into the BANK_STATEMENT_LOAD or BANK_ACCT_ANALYSIS_LOAD IP.

Root Package ID

Enter an application class package name. This field appears only if Application Class is selected the a transformation type. This value is delivered for integration with other PeopleSoft source applications.

Qualified Package/Class Path

This field appears only if Application Class is selected as the transformation type. This value is delivered for integration with other PeopleSoft source applications.

Application Class ID

This field appears only if Application Class is selected as an outbound integrations type. This value is delivered for integration with other PeopleSoft source applications.

Result Message Name

This field is used during communication with the Integration Broker. It is the name of the message that publishes the file layouts to the Integration Broker. For example, many of the payment layouts are delivered with the PMT_FLAT_FILE message. This means that the file layout will be published into the Integration Broker under the message name PMT_FLAT_FILE. In the message monitor, you will see instances of the PMT_FLAT_FILE message.

Tthis value can be changed to any unstructured message to help distinguish different layouts in the Integration Broker and control the communication properties for a message. When communicating with a bank's FTP server, for example, you may want files to be sent to different directories. For example, if you use the EDI 820 layout for wires and the CCD+ layout for ACH payments with the same bank, you may want to create a new message called PMT_CCD_FILE and set it as the Result Message Name for the CCD+ layout. In the Integration Broker, you can then assign communication properties to the PMT_FLAT_FILE and then assign different communication properties to the PMT_CCD_FILE. If both layouts were communicated under the same message name, you could only specify one set of communication properties or one directory in this case.

For payment acknowledgments, the required message is PAYMENT_ACKNOWLEDGE.

For bank statements, this field displays the name of the output IP message from the transformation program. For all delivered bank statement layouts except EDI 822, the IP message is BANK_STATEMENT_LOAD_VERSION_2. Bank statement layout EDI 822 uses the IP message BANK_ACCT_ANALYSIS_LOAD.

Grouping Rule — This field appears only for payment layouts. Specify a payment grouping rule for the layout. Only one grouping rule can be applied to a payment layout.

View Grouping Rule — Click to access the Grouping Rule page and view fields that are included in the specified grouping rule. This link appears only for payment layouts.

Default Max Payment Per File — Enter the maximum number of payments allowed in a payment file of this type. This field appears only for payment layouts.

Supported Payment Methods

This group box appears only for payment layouts and is used for defining the specific payment methods that are supported by the payment layout.

Select a layout payment method. Values are:

- *Automated Clearing House*
- *Direct Debit*
- *Electronic Funds Transfer*
- *Wire Transfer*

See the payment layout table for a list of delivered layouts and their corresponding payment methods.

See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Understanding the Layout Catalog, page 20.

Layout Properties

Layout Properties are information that is needed by a transformation program to successfully create and process a layout. A layout property can be anything, but generally is either a data value that is needed by a layout that is not captured in the system or a processing flag that is needed by a transformation program. These properties are defined at design time, bound with values at setup time, and available to the transformation program at runtime. The values for these defined properties are captured at setup time for every bank.

For example, the layout property SENDER_ID, which is used by the EDI 820 payment layout, identifies the ID of the party that is sending the file. No field is defined in Financial Gateway to store this value, yet this layout requires the property at runtime. Adding SENDER_ID to the layout properties allows this value to be set up for every bank. At runtime, this value is available to the transformation program to be included in the 820 layout.

Property Code — Displays the name of the layout field.

Important! If you specify a default, file-extension value for the *FILEEXT* property code, you must enter a period before the file extension. For example, you enter *.TXT,* not *TXT.*

Type

Specify the property code data type: *Date, Number, String, Time,* or *Yes/No.*

Property Level

This determines where the property will be set up: *bank, account,* or *system* level.

For payment layouts, this also determines where in the PAYMENT_DISPATCH IP this value is available to the transform program. System and bank level properties are available in the PMT_HEADER_PROP record. Account level properties are available in the PMT_BATCH_PROP record.

For payment files, the layout property values are included in the PAYMENT_DISPATCH IP for use in transformation programs at runtime . The records PMT_HEADER_PROP and PMT_BATCH_PROP contain these values. If you are creating a new transformation program and need to capture some setup information, such as company TAXID, a layout property wjould be added to the Layout Catalog. It would be set up at bank of account level. You can then use this information in the PAYMENT_DISPATCH message of the transformation program.

Required

Select to indicate that this property code is required.

Read Only

Select to make this property code a display-only value. This type is good for system settings that need to be captured, but do not vary by bank.

Max Length (maximum length)

Enter the maximum character length. At setup time, the entered value is validated to ensure that it is not longer than the maximum length and ise of the type specified (for example, string, number, yes/no, and so on).

Default Value

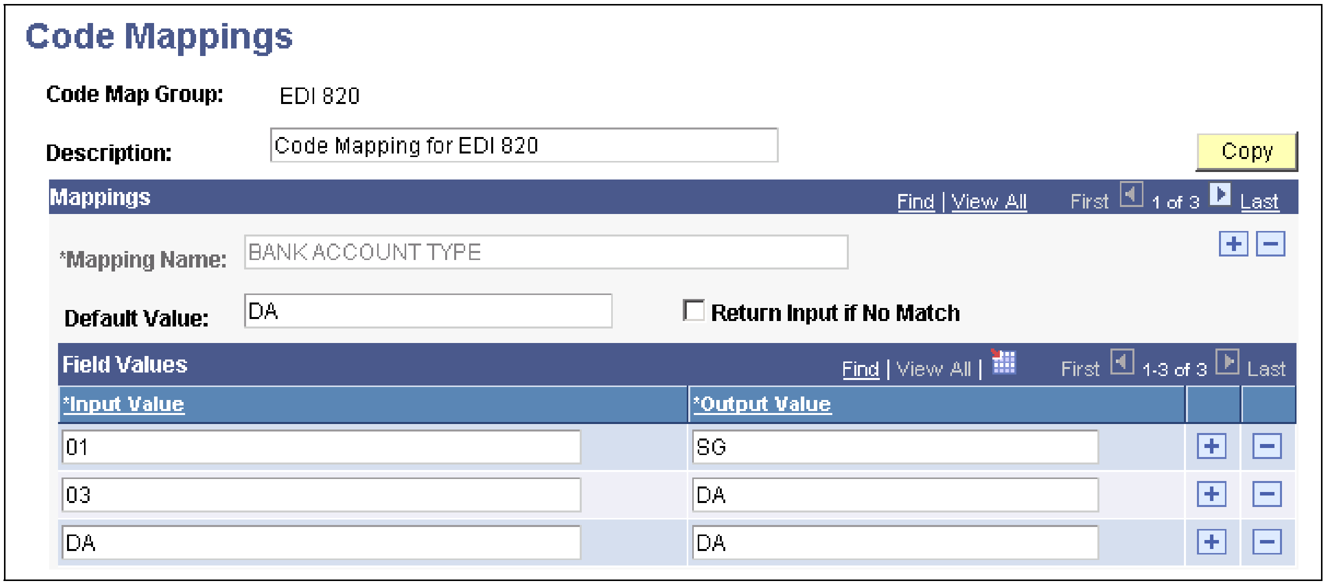
Enter a property-code, default value. You can override this value when defining integration layouts for a bank or account.

Sequence

Enter sequence numbers to prioritize the property codes. Properties with lower numbers will be displayed first at setup time. During the transformation process, the system processes property codes from the lowest to the highest value.

Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments

Access the Code Mappings page for the bank statement or payment layout.



Code Mappings page

This page enables you to define the mapping between external bank codes with their equivalent internal PeopleSoft codes for both bank statement and bank payment processing.

Bank statement processing uses mappings for three fields: Bank Statement Codes, Reconciliation Codes, and Statement Activity Types.

For example, a financial organization identifies certain miscellaneous fees with the numeric code 564. If you define a statement activity type of *Bank Fee (BNKFEE),* you can assign the input value of 564 to the output value of *BNKFEE.*

Copy

Click to create a new mapping group based on the parameters of the current, code map group.

Mapping Name

Enter a mapping name.

Default Value

Enter a default value for the specific map. The system uses this defined default value if it cannot match the existing mapping input value and you do not select the Return Input if No Match check box.

Return Input if No Match

Select to indicate that the system should use the input value as the map-to value if the system cannot match the existing mapping-input value with a defined input value.

Field Values

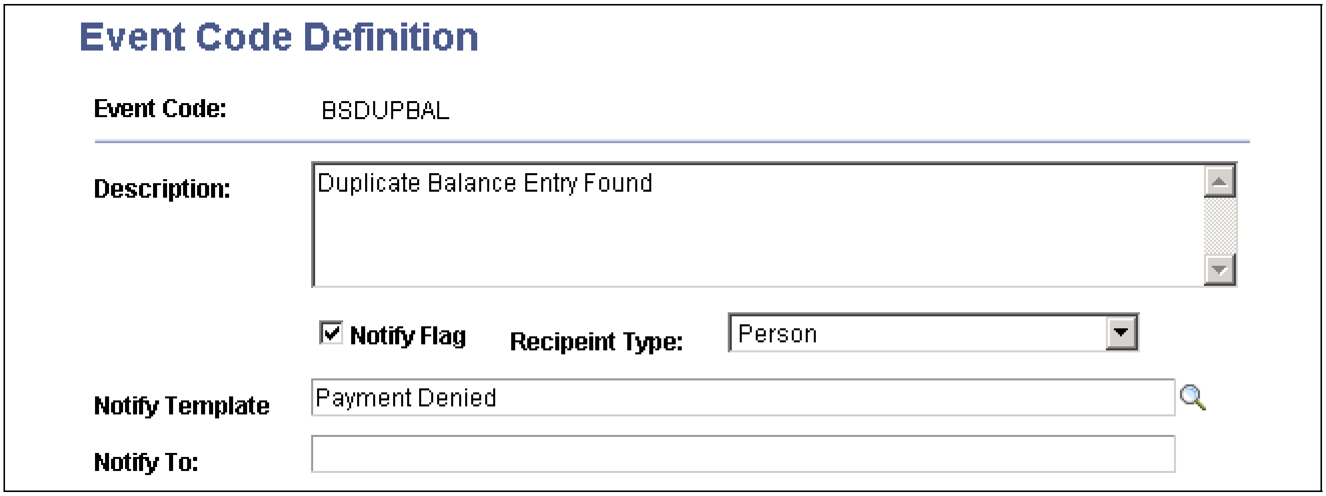
Enter the input values and the corresponding output values to which they are to be mapped.

For bank statement processing, the input values are the external bank codes, and the output values are the PeopleSoft codes.

For bank payments, the input values are the PeopleSoft codes, and the output values are the external bank codes.

Defining Event Notifications

Access the Event Code Definition page.



Event Code Definition page

Notify Flag

Select for the system to send an email or workflow message to the specified party if this event occurs.

Recipient Type

Select *Person* if the message recipient is a specific employee. Select *Role* if the message recipients should include all users in a specific role, such as a manager.

Notify Template

Select the message text template.

Notify To

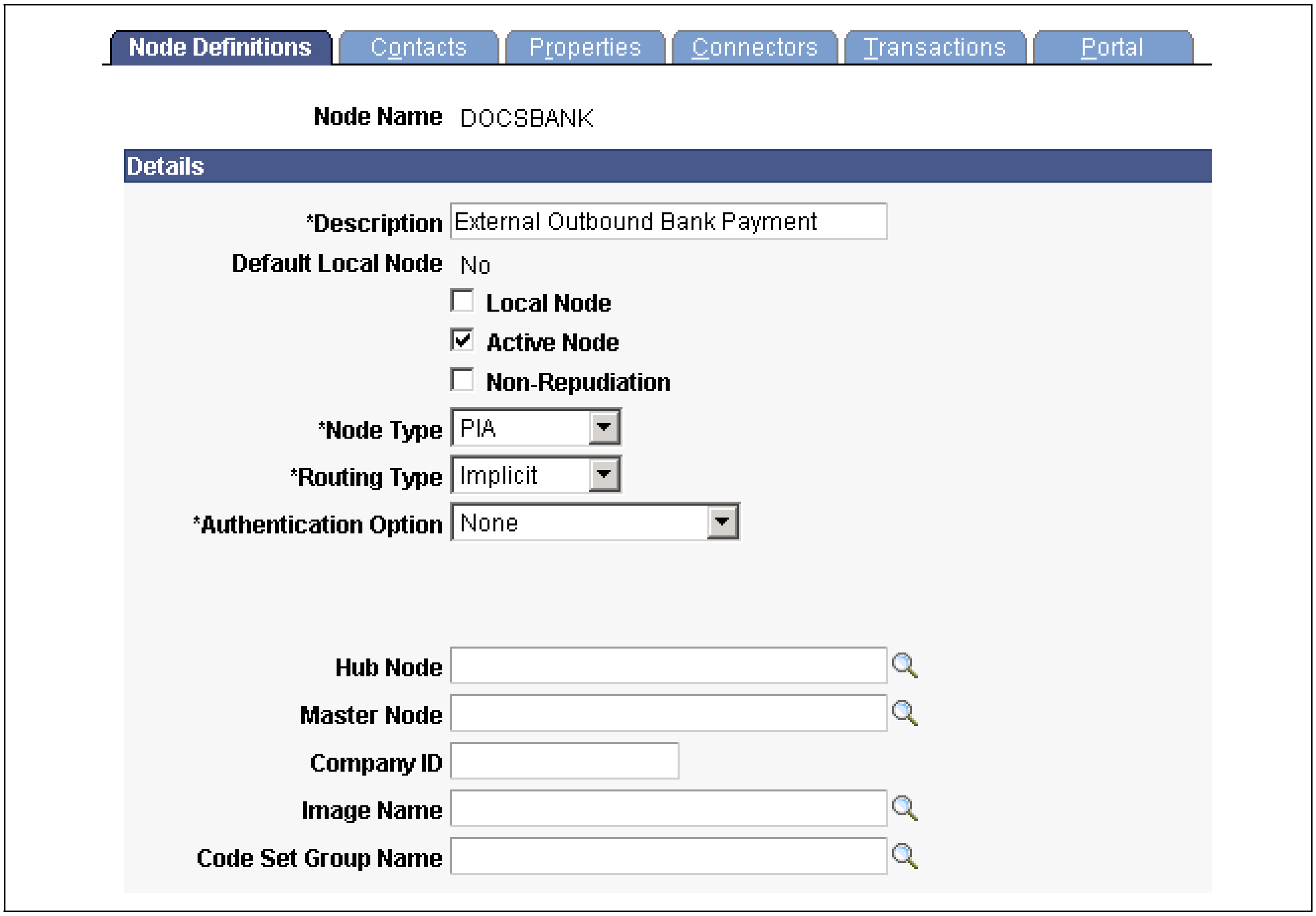
This field is dependent on the selected Person/Role field value. If you select *Person,* enter the email address of the person to notify. If you select *Role,* enter the role name.

Note. To enable this email-notification functionality, you must setup and configure the PeopleTools Simple Mail Transfer Protocol (SMTP) functionality.

See Enterprise PeopleTools 8.46 PeopleBook: Workflow Technology, “Adding Events and Routings”

Defining Integration Broker Settings for Payments

Access the Node Definitions page.



Node Definitions page

Payment files can be sent to the Integration Broker for communication with your bank. The Integration Broker contains a set of communication connectors that will provide connectivity with most banks. The most common connectors used are the FTP, FTPs, AS2, HTTP, HTTPS, FILE, and JMS.

The Bank Integration Layouts component enables you to specify an output type for payment files. If you select message (Integration Broker), then a node must be entered. At runtime, the payment will be asynchronously published to this node in the Integration Broker. Integration Broker then provides the communication functionality.

Before you begin enabling Integration Broker messages, you must set up the basic integration broker settings, such as Gateway, and application server with messaging enabled, domain active, channels active, messages active, and so on.

Defining the settings to process payment files through PeopleSoft Integration Broker using an output-type message is a four-step procedure:

1. Create a node definition that represents the bank on the Node Definitions - Node Info page.
2. Add a transaction on the Node Definitions - Transactions page.

   Specify a Transaction Type of *Outbound Asynchronous,* and specify a Request Message of *PMT_FLAT_FILE.*

   You must create a corresponding outbound, asynchronous, transaction-type message for the node definition. PeopleSoft delivers the PMT_FLAT_FILE message for the delivered layouts. Both the layouts and the corresponding message are configured to be published to the Integration Broker. To implement payment processing functionality, select the PMT_FLAT_FILE message.

3. Complete the transaction and message details by clicking the Edit link.
4. Complete the Connectors page.

   Define connector properties information at the node or node transaction level on the Connectors page.

   Integration Broker comes with a variety of connectors that can be used. The primary connector for use with banks is the FTPTARGET connector. This enables you to send files using FTP and FTPs to your bank.

   If you use Integration Broker with the FTP connector ID FTPTARGET and leave the FILENAME parameter blank, the PMT_DISPATCH process will override this property and generate a unique filename for each message using the Bank Integration Layout properties FILENAME and FILEEXT to generate this value.

   Some banks, however, require all files to be sent under the same filename. Therefore, define the connector property FILENAME with a value to ensure that all files are delivered to the bank with the same filename.

Note. You can configure your Integration Broker node to use an AS2 connector.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, "Using Listening Connectors and Target Connectors," Working with AS2 Connectors

Defining Integration Broker Settings for Bank Statements and Payment Acknowledgments

Access the Node Definitions page.

Note. This section describes how to set up an Integration Broker node for importing bank statement files and payment acknowledgment files from an FTP server. Files can also be imported from a bank using a file server—a method that doesn't employ Integration Broker nor require setting up an Integration Broker node.

To set up an Integration Broker node for importing files from an FTP server:

1. Create an new node, name it, and enter a description for the node.

   Leave the default values for all the other fields.
2. On the Connectors page, select *FTPTARGET* in the Connector ID field.

   The appropriate properties for the FTP Target connector are displayed.
3. Enter the appropriate property values:

FTPS	A yes (Y) or no (N) value. Determines whether the target FTP server requires a secured FTP connection or not.
HOSTNAME	The host name of the FTP server. For example, for the URL ftp://www.hostname.com, the host name would be www.hostname.com.
METHOD	The FTP method that is being used. Enter *GET.*
PASSWORD	The password that corresponds to the USERNAME value to access the FTP server. This value must be encrypted. To obtain an encrypted version of the password, use the Password Encryption Utility at the bottom of the page.
TYPE	The type of files that are to be transferred—*ASCII* or *BINARY.*

USERNAME	The user name that is used to access the FTP server.
Send Uncompressed	A yes (Y) or no (N) value. Determines whether to send files compressed or not.

Note. The system uses values that are defined on the Bank Statement Import page to automatically override two node connector properties, DIRECTORY and FILENAME.

Note. You can configure your Integration Broker node to use an AS2 connector.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker, "Using Listening Connectors and Target Connectors," Working with AS2 Connectors

Setting Up Bank Statement Processing

This section describes the components that you use for setting up the Bank Statement Import process and discusses how to:

- Define balance codes.
- Define transaction codes.

Components That You Use to Set Up Bank Statement Processing

Use these application pages to set up the Bank Statement Import process.

- Balance Codes

  Define codes that are used for bank statement balances.

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Balance Codes, page 35.

- Transaction Codes

  Define codes that are used for bank statement transaction information.

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Transaction Codes, page 36.

- Code Mappings

  Define the mappings between external system codes with their equivalent internal PeopleSoft codes.

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

- Layout Catalog

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Configuring Bank Statement, Payment, and Payment Acknowledgment Layouts, page 25.

- Event Code Definition

See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Event Notifications, page 30.

- Node Definition (required only if you are using Integration Broker)

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Integration Broker Settings for Payments, page 31.

- (Optional) Encryption Profile

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Understanding File Encryption, page 23.

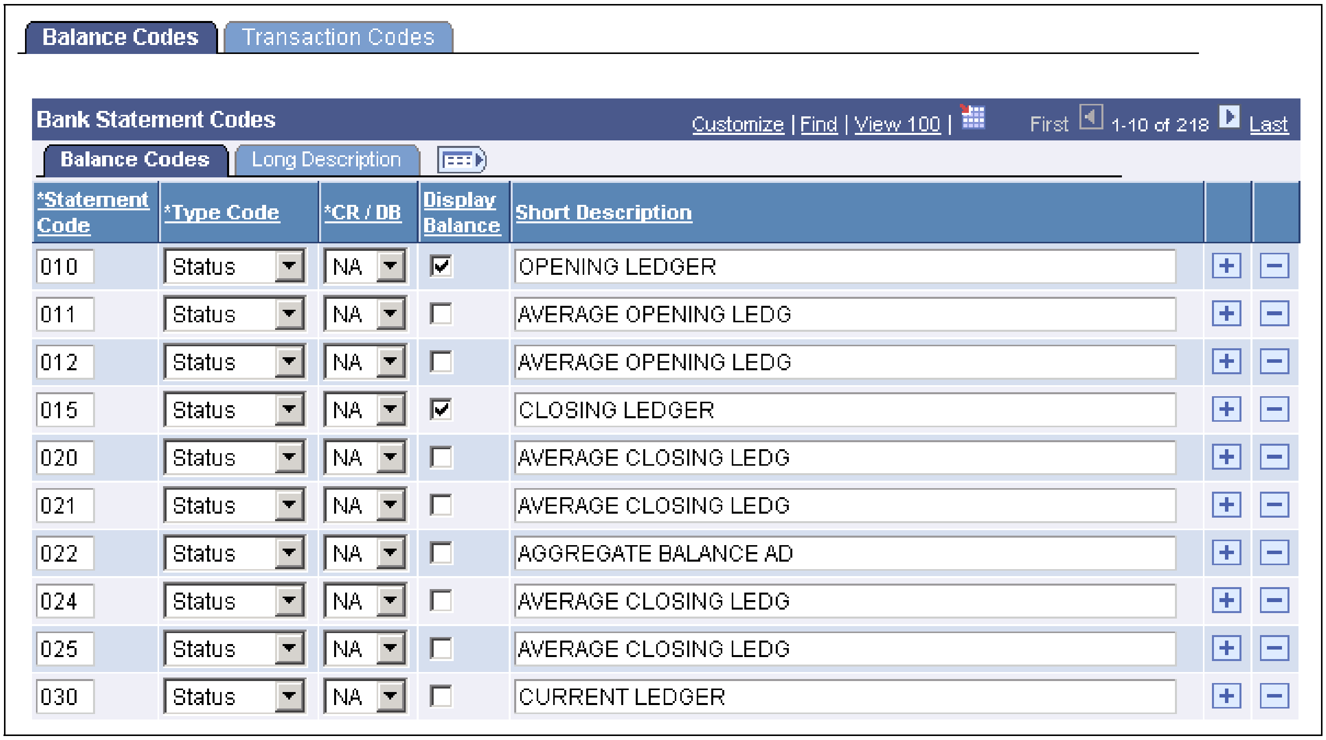
Note. If you create new layouts or modify existing ones for an organization’s bank-statement-processing requirements, you must add them to the Layout Catalog.

Pages Used Exclusively for Setting Up Bank Statement Processing

Page Name	Object Name	Navigation	Usage
Balance Codes	BSP_BAL_CODES	Banking, Administer Bank Statements, Bank Statement Codes	Define bank-statement-code information. Also select three favorite statement codes for display in online inquiry pages.
Transaction Codes	BSP_TXN_CODES	Banking, Administer Bank Statements, Bank Statement Codes, Transaction Codes tab	Define bank-statement, transaction-code information, such as activity type and payment method.

Defining Balance Codes

Access the Balance Codes page.



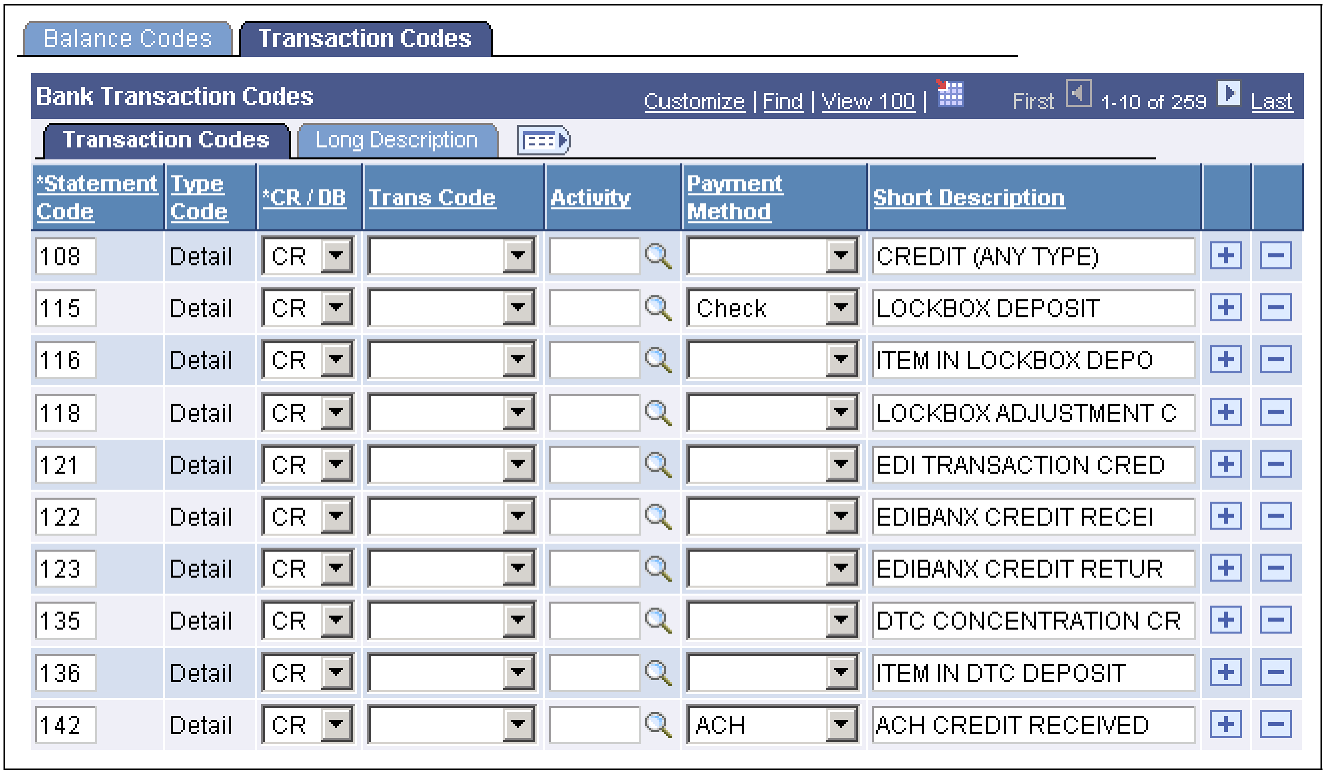
Balance Codes page

Assign balance codes to each balance line and determine how the reconciliation process manages them. Assign a balance code to each balance entry that is received electronically or entered manually.

Statement Code	Enter a three-digit statement code that is to be defined.
Type Code	Indicate whether the code is a *Status* or *Summary* code.
CR/DB (credit/debit)	Indicate whether the code is a *CR* (credit) or *DB* (debit), or select *NA* (not applicable) if this categorization does not apply.
Display Balance	Select to indicate that the balance is a favorite balance. The system automatically displays the favorite balances on certain pages, such as the Bank Balance Inquiry page. You can select no more than three bank balances, however, you can change these selections at any time.

Defining Transaction Codes

Access the Transaction Codes page.


Balance Codes | Transaction Codes

Bank Transaction Codes — Customize | Find | View 100 | First 1-10 of 259 Last

Transaction Codes | Long Description

*Statement Code	Type Code	*CR / DB	Trans Code	Activity	Payment Method	Short Description
108	Detail	CR				CREDIT (ANY TYPE)
115	Detail	CR			Check	LOCKBOX DEPOSIT
116	Detail	CR				ITEM IN LOCKBOX DEPO
118	Detail	CR				LOCKBOX ADJUSTMENT C
121	Detail	CR				EDI TRANSACTION CRED
122	Detail	CR				EDIBANX CREDIT RECEI
123	Detail	CR				EDIBANX CREDIT RETUR
135	Detail	CR				DTC CONCENTRATION CR
136	Detail	CR				ITEM IN DTC DEPOSIT
142	Detail	CR			ACH	ACH CREDIT RECEIVED

Transaction Code page

The system assigns transaction codes to each bank-statement-transaction line during electronic load or manual entry. The transaction code determines how reconciliation processes the specific line item.

Trans Code (transaction code)

Identifies the type of transaction in a bank statement. Select from:

- *ACH:* Automatic clearing house.
- *BOE - Out:* Bill of exchange - outgoing (or disbursed).
- *Bank Adj:* Bank adjustments.
- *Bill Order*
- *CHK:* Check.
- *Deposits*
- *Direct Debits*
- *DD-Out:* Direct debit - outgoing (or disbursed).
- *Draft*
- *EFT:* Electronic funds transfer.
- *Fees*
- *Fund Rcpt:* Fund receipt.
- *General:* General transaction.
- *Interest:* Interest expense.
- *Man Check:* Manual check.
- *Misc:* Miscellaneous.

- *Payment*
- *Receipt*
- *Stop Pay:* Stop payment.
- *Voids*
- *Wire Out:* Wire - disbursement.

Activity Select a bank-statement, activity type.

Payment Method Identifies the payment method that is specified for a transaction code. Select from:

- *ACH:* Automatic clearing house.
- *Check*
- *Cust Draft:* Customer draft.
- *Direct Debit*
- *EFT:* Electronic funds transfer.
- *EFT Drafts:* Electronic funds transfer drafts.
- *Giro-EFT:* Giro-electronic funds transfer.
- *Giro-Manual* Giro-manual.
- *LC:* Letter of credit.
- *Manual:* Manual check.
- *Wire:* Wire transfer.
- *Vndr Draft:* Vendor draft.
- *Wire:* Wire disbursement.

See Also

PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook, “Setting Up Reconciliation,” Defining Statement Activities

Setting Up Payment Processing

To define external commands, use the External Command component (PMT_EXT_COMM_CMP_GBL).

This section lists the pages and functionality that are involved in Financial Gateway electronic banking payment processing:

- Payment Grouping Rules

  Definitions of rules that determine what payments can be grouped together in the same file.

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Payment Grouping Rules, page 40.

- Layout Catalog

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Configuring Bank Statement, Payment, and Payment Acknowledgment Layouts, page 25.

- Code Mappings

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

- Event Code Definition

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Event Notifications, page 30.

- (Optional) Node Definition (required if you are using Integration Broker to transmit payment files.)

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Integration Broker Settings for Payments, page 31.

- (Optional) Encryption Profile

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Understanding File Encryption, page 23.

- (Optional) External Commands

  Captures the setup information that is needed to call third-party toolkits to provide encryption and communication of payment files. External commands can be used when you are transmitting payment files using FTP.

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining External Toolkit Commands, page 45.

- Bank Integration Layouts

  This component is the main setup component where file layouts, output type, and integration options are associated with a bank.

  See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Bank Integration Layouts for Payments, page 41.

- External Account - Payment Method - Financial Gateway Options: Captures how each account's payment method is settled and in what layout.

  Payments can be settled through the Financial Gateway Dispatch Payments or Payables' Pay Cycle Manager.

  See *PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook*, "Setting Up External, Internal, and Netting Accounts," Defining Payment Methods.

How you set up the payment processing functionality depends on the implementation. Because each organization or bank has differing payment layout requirements, delivering all possible layout variations to suit all needs would be exceedingly difficult. If you use the delivered functionality and do not need to make any modifications or changes, you have fewer setup tasks.

If you are creating new layouts or editing existing layouts for an organization's payment processing requirements, you need to first create the payment layout and all its supporting functionality. Specifically, you need to define payment grouping rules and code mappings, and you must also create the file layout objects and formatting logic for new (or modified) payment layouts.

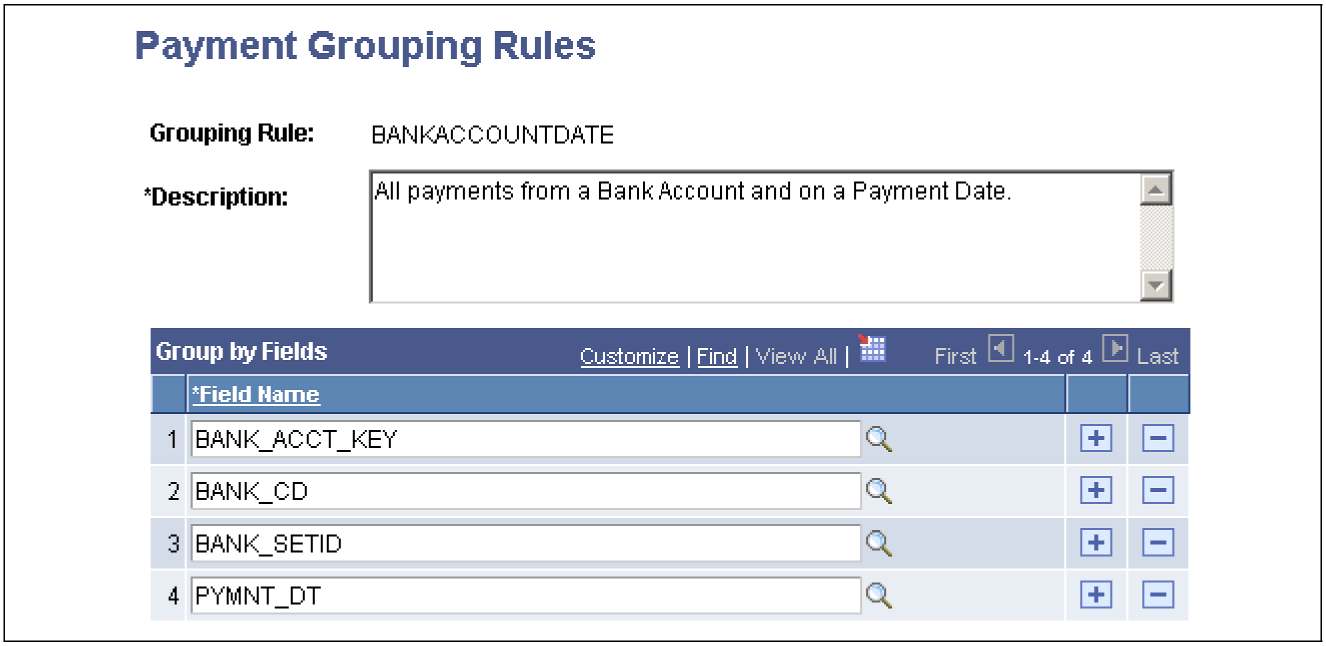
Note. If you create new layouts or modify existing ones for an organization's payment-processing requirements, you must add them to the Layout Catalog.

Pages Used Exclusively for Setting Up Payment Processing

Page Name	Object Name	Navigation	Usage
Payment Grouping Rules	PMT_CHUNK_DEFN	Banking, Administer Bank Integration, Payment Grouping Rules	Define fields to include for a specified payment grouping rule.
Bank Integration Layouts	BANK_INTEGRATION	Banking, Administer Bank Integration, Bank Integration Layout	Define layouts and transformation programs for a specific bank.
External Accounts - Payment Methods	PYMNT_BANK	Banking, Bank Accounts, External Accounts, Payment Methods	Define the payment methods that are supported for an account, payment processing options, and EFT file attributes. For each account, you can enter multiple payment methods. See *PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook*, "Setting Up External, Internal, and Netting Accounts".
External Command	PMT_EXT_COMM_PG	Banking, Administer Bank Integration, External Command	Optional if output type is file. This is the external command to carry out after the file is output. Define command line information to carry out an external toolkit. This enables you to integrate with third-party toolkits (such as security and communications toolkits) and define command parameters that call executables, batch files, and command-line functions.

Defining Payment Grouping Rules

Access the Payment Grouping Rules page.



Payment Grouping Rules page

Each payment layout specification defines rules for grouping payments into the file. Grouping rules determine how payments are grouped together into payment files. Certain layouts require a different file for every payment, and other layouts require a separate file for each different business date of a file. For example, the SWIFT MT103 payment layout requires that only one payment exist in a file; therefore, the associated grouping rule is SINGLEPAYMENT.

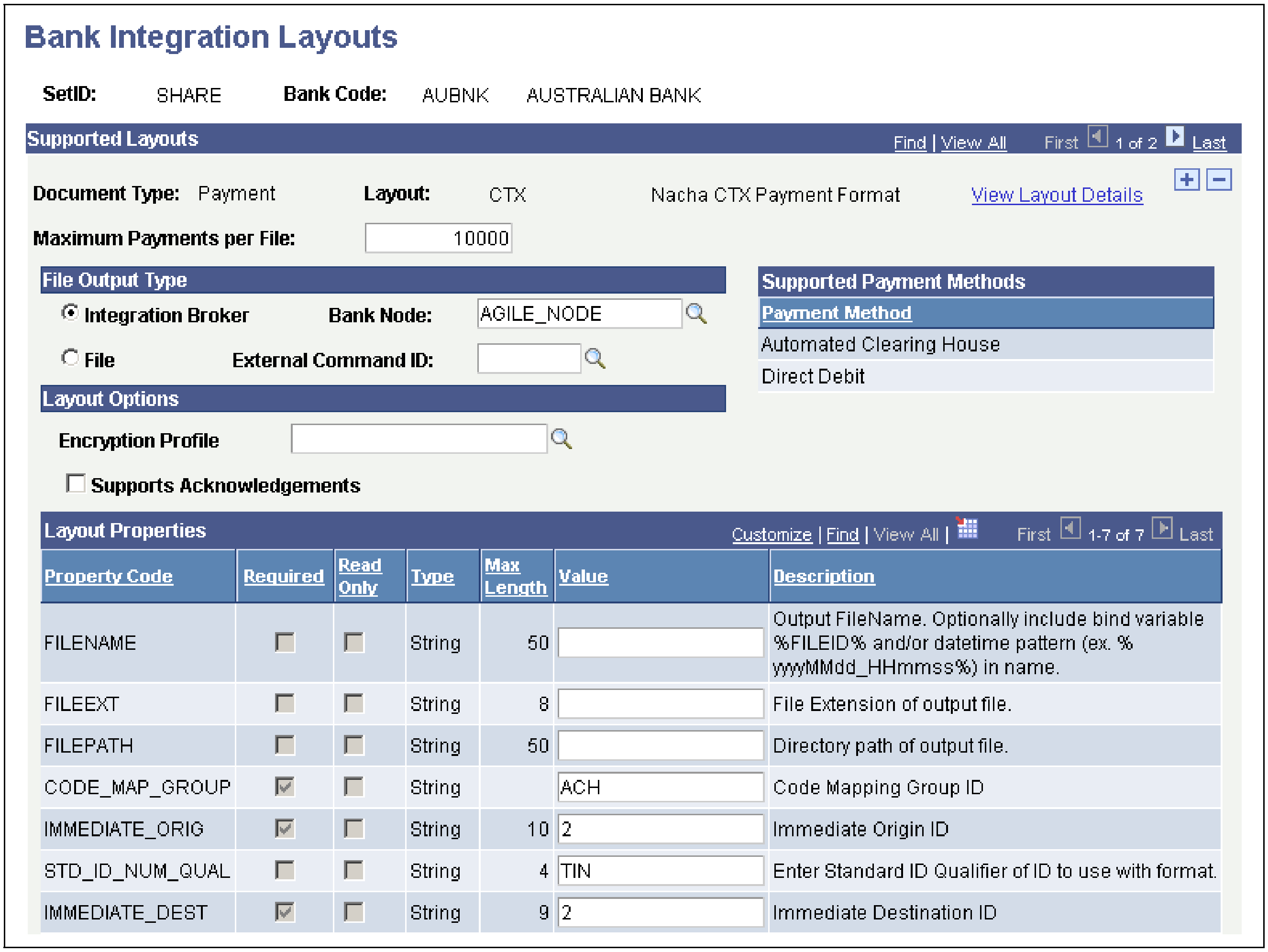
Other layouts have different rules. For example, CCD+ files can contain payments from multiple accounts and multiple processing dates, so the grouping rule is BANK, and payments for this bank can be included in the same file. For layouts requiring payments to be processed on the same day, you can use the BANKDATE grouping rule. You can change grouping rules to accommodate a layout with a specific bank's requirement. To define a grouping rule, enter the fields to group for a payment type.

PeopleSoft delivers the following grouping rules:

Grouping Rule	Description
BANK	All payments from a bank.
BANKACCOUNT	All payments from a specified bank account.
BANKACCOUNTDATE	All payments from a bank account and on a payment date.
BANKDATE	All payments from a bank and on a payment date.
SINGLEPAYMENT	One payment per file.

Defining Bank Integration Layouts for Payments

Access the Bank Integration Layouts page.



Bank Integration Layouts page

Layout ID	Select a layout from the Layout Catalog to enable for this bank. Values that are defined for the layout automatically populate the Layout Properties region.
View Layout Details	Click to access the Layout Catalog page and view details of the payment layout.

File Output Type

Integration Broker	Select to publish the layout as an IP message to the Integration Broker.
File	Select to send the layout to a file. Requires that the FILENAME, FILEEXT, and FILEPATH layout properties be defined.
Bank Node	The node to which the Integration Broker Node message will be published. Required if *Message* output type is selected.
External Command ID (Optional)	An option that is active only if the output layout type is *File*. This is the external command to carry out after the file is sent. External commands are a way to carry out a third-party communication or security toolkit. They enable the output FILEPATH and FILENAME to be passed to a third-party application to initiate additional processing.

Encryption Profile (Optional)
: Select a PeopleTools Encryption Profile to apply to this payment layout's data before sending to a message or file. The profile must be one that was designed to encrypt or digitally sign files.

See *Enterprise PeopleTools 8.46 PeopleBook: Security Administration , "Securing Data with Pluggable Cryptography," Defining Encryption Profiles*

Supports Acknowledgments
: Select to enable functionality for receiving payment-acknowledgment-message files from the specified bank. When payments are dispatched for this bank and layout, they will be set to a status of Sent to Bank. Payment acknowledgement will then need to be received from the bank to complete the process and set them to paid.

Supported Payment Methods

This group box displays payment methods that are supported by this layout.

Layout Properties

A payment layout can have a number of layout properties. Three layout properties are available, however, that all payment layouts contain. This table provides examples of how to set up each of them.

Field	Description

FILENAME	Determines the filename when data is sent to a file or published into the Integration Broker. You can leave this property blank and the default will be BANKNAME + FILEID, or you can override and create your own naming convention, for example:
	
	For example:
	
	`BANKNAME_%FILEID%_ %yyyyMMdd_HHmmss%`
	
	At runtime the FILEID (`%FILEID%`) and Date bind variables will be bound to create a filename of:
	`BANKNAME_00000017_ 20031118_104316`
	
	The date bind value is flexible and can be altered to change the date format. Refer to the PeopleTools PeopleCode documentation on the `DateTimeToLocalizedString` function, specifically the pattern formats available.
	
	For another example:
	`BANKNAME_%FILEID%_ %ddMMyyyy_HHmmss%`
	
	At runtime equals:
	`BANKNAME _00000018_18112003_105448`

Field	Description
FILEEXT	File extension to add to the filename. Do not include a dot (.) in this field; the system will automatically add one between FILENAME and FILEEXT.
FILEPATH	The output directory to which the files are written. If this field is left blank, the system will send it to the default Process Scheduler file output location. Use this option only when layouts have an output type of File. The value must end in a back slash or forward slash (\ or /), depending on your operating system. For example, using Windows, “c:\temp” is invalid; it must be “c:\temp\”.

Creating Payment Layouts

To create a new payment layout:

1. Work with the organization or financial institution and develop the requirements for the payment layout.

   If a usable file layout object is delivered by PeopleSoft, analyze the gap between the delivered file layout object and the layout requirements.

2. Define a new file layout object.

   You can save a delivered file layout object with another file name and then edit it, or you can create a new file layout object.

3. Implement the formatting logic.

   PeopleSoft delivers the formatting logic in application classes that are included in the TR_FORMAT Payment package. Use the delivered application classes, extending the logic of an existing class (or extend from the BaseFormatter application class) so as to take advantage of the delivered logic.

   For example, suppose that you want to create a new CDDFormatter file layout object that includes PeopleSoft-delivered logic and also enters a value in an optional field, Individual ID, in the entry detail record for tracing purposes. To do this, use the following code for the application class NewCCDFormatter:

```
import TR_FORMAT:Payment:CCDFormatter;
class NewCCDFormatter extends CCDFormatter
  method populateEntryDetail (&rec as Record);
end-class

/* constructor */
method NewCCDFormatter
  %Super = create CCDFormatter ();
end-method

/* override parent method here */
method populateEntryDetail
  /+ &rec as Record +/

  %Super.populateEntryDetail (&rec);

  Local &myIndividualIDVal;
```

```
    /* add logic to get your &myIndividualIDVal here */

    &rec.ACH_INDIVIDUAL_ID.Value = &myIndividualIDVal;

  end-method;
```

4. You can either create an Application Engine to call the new formatter class or specify in the layout to use the new formatter class. If choosing the Application Engine approach, write a wrapper Application Engine to invoke the new formatter class and pass in your File Layout object name.

   To do this, you can copy an application class invoker Application Engine, changing the payment formatter name (such as CCDFormatter) to the new payment layout name, and changing the file layout object name to the new file layout object name.

5. Define a new Layout Catalog entry.

   In addition to any parameters that you must define for this new Layout Catalog entry, define a transformation program name to the wrapper Application Engine or the new formatter class that you created in step 4.

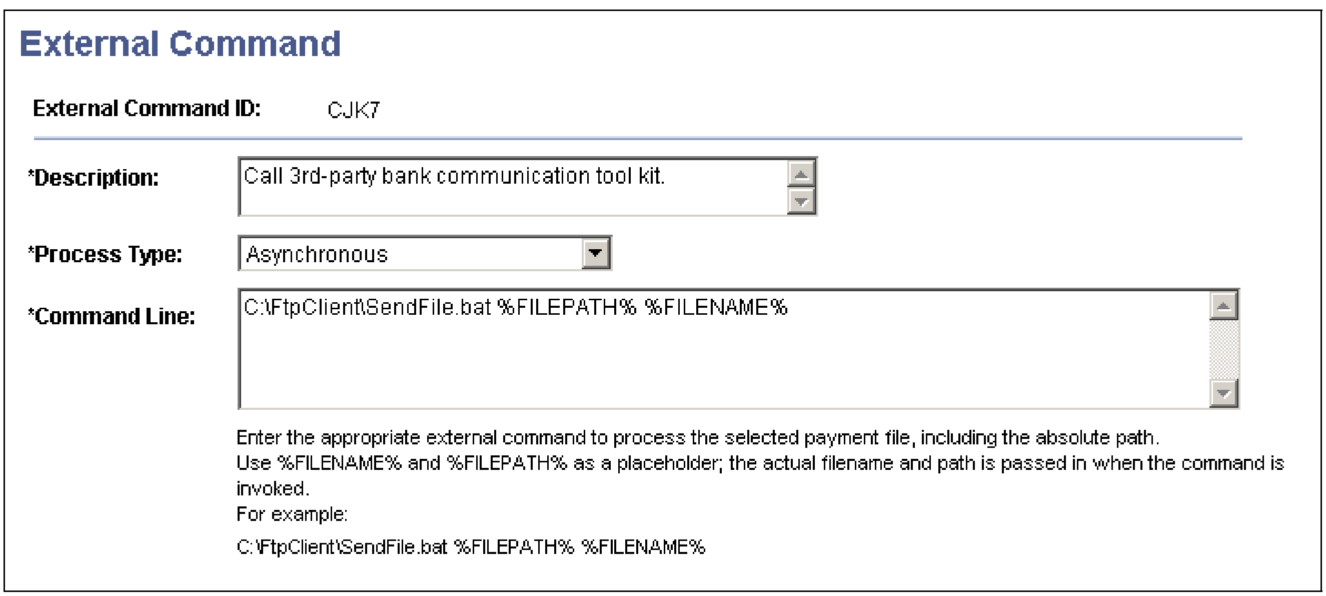
6. To use the new layout, set up a bank account payment method (on the External Accounts - Payment Method page).

See Also

PeopleSoft Enterprise Banks Setup and Processing 8.9 PeopleBook, “Setting Up External, Internal, and Netting Accounts,” Defining Payment Methods

Defining External Toolkit Commands

Access the External Command page.



External Command page

Optional if output type is file. This is the external command to execute after the file is created. External commands are a way to execute a third-party communication or security toolkit. They allow the output Filepath and Filename to be passed to a third party to initiate additional processing.

Process Type

Select a value:

- *Asynchronous:* If selected, the calling process runs the external command, then immediately continues to the next step, without waiting for the external command to complete processing.

  The benefit of this method is faster processing speed. The disadvantage is that status or error messages generally cannot be relayed to the calling program; however, many external processing programs do not have the functionality to relay error messages to a calling program.

- *Synchronous:* If selected, the calling program waits for each step of the called (external) process to finish before beginning the next step.

  The benefit of this method is comprehensive processing. Status or error messages can be sent to the calling program. The disadvantage is the slower processing time.

Command Line

Enter the actual command line code for the system to perform at runtime.

External commands can contain two bind variables, *%FILENAME%* and *%FILEPATH%.* At system runtime, these bind variables are bonded with the location of the output file for the external command to process.

Setting Up Payment Acknowledgment Processing

This section lists the pages and functionality that are used to process payment acknowledgments in Financial Gateway:

- Code Mappings

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

- Layout Catalog

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Configuring Bank Statement, Payment, and Payment Acknowledgment Layouts, page 25.

- Event Code Definition

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Event Notifications, page 30.

- Node Definition

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Defining Integration Broker Settings for Bank Statements and Payment Acknowledgments, page 33.

- (Optional) Encryption Profile

  See Chapter 3, “Setting Up Electronic Banking Using Financial Gateway,” Understanding File Encryption, page 23.

Reviewing Event Log Information

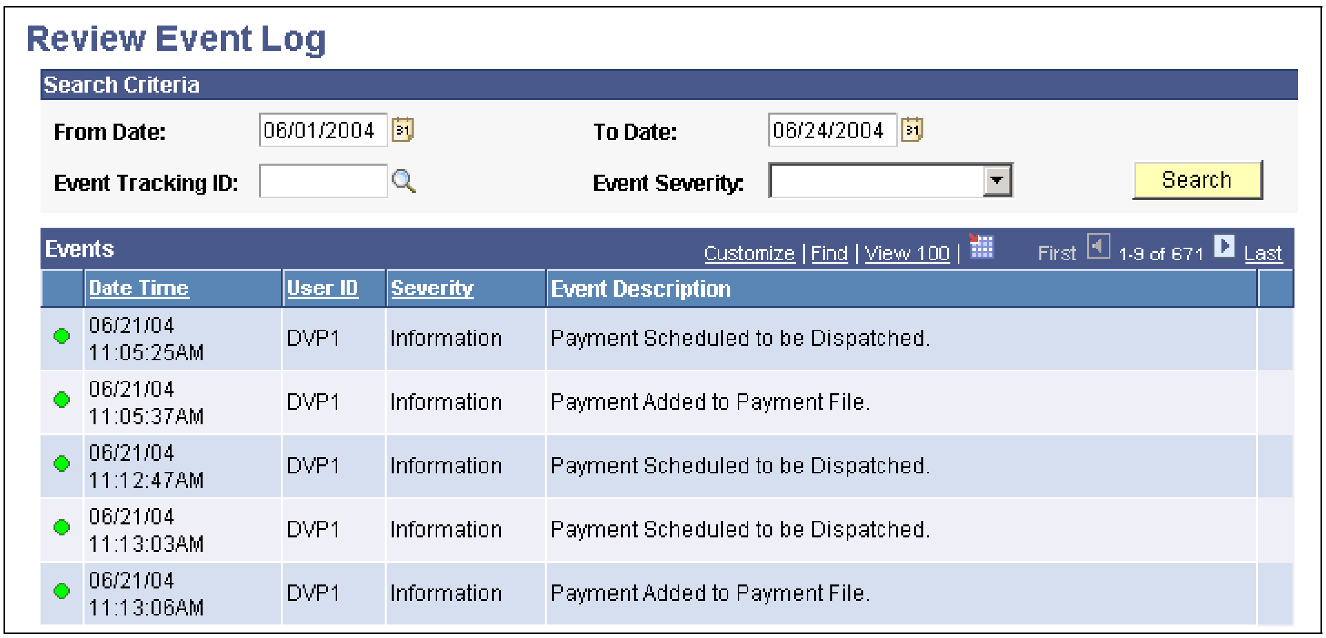
This section discusses how to review event log information.

Page Used to Review Event Log Information

Page Name	Object Name	Navigation	Usage
Review Event Log	TR_EVENT_LOG_INQ	Setup Financials/Supply Chain, Product Related, Treasury, Review Event Log	Search and review system event information.

Reviewing Event Log Information

Access the Review Event Log page.



Review Event Log page

Enter the search parameters and click Search. Results appear in the Review Event Details grid.

Using a Communications Partner for Electronic Banking

To establish the integration between Financial Gateway banking functionality and financial institutions, refer to the installation and implementation materials that the chosen bank's communications provider provides.

PeopleSoft provides the following set of IP messages that enable data to pass between PeopleSoft applications and a communications partner:

- BANK_STATEMENT_LOAD_VERSION_2: Used for inbound or outbound previous and same-day bank statements.
- BANK_ACCT_ANALYSIS_LOAD: Used for inbound and outbound fee analysis.

- PAYMENT_DISPATCH: Used for outbound payment information.
- PAYMENT_ACKNOWLEDGE: Used for inbound bank payment acknowledgments.

Note. You and the bank's third-party communications partner are responsible for complying with the PeopleSoft inbound and outbound IP message formats, and for ensuring data encryption, security, and communication between the organization and its banks. PeopleSoft is not responsible for this aspect of the implementation. In addition, the performance time to retrieve and submit bank statement information is limited by the bank communication partner's software. PeopleSoft is responsible only for the performance time of the generation and receipt of the publish/subscribe Application Messaging.

See Also

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Integration Testing Utilities and Tools

CHAPTER 4

Setting Up Payment Security

This chapter provides an overview of payment security and discusses how to:

- Activate payment security.
- Create payment security rules.
- Assign payment security rules.

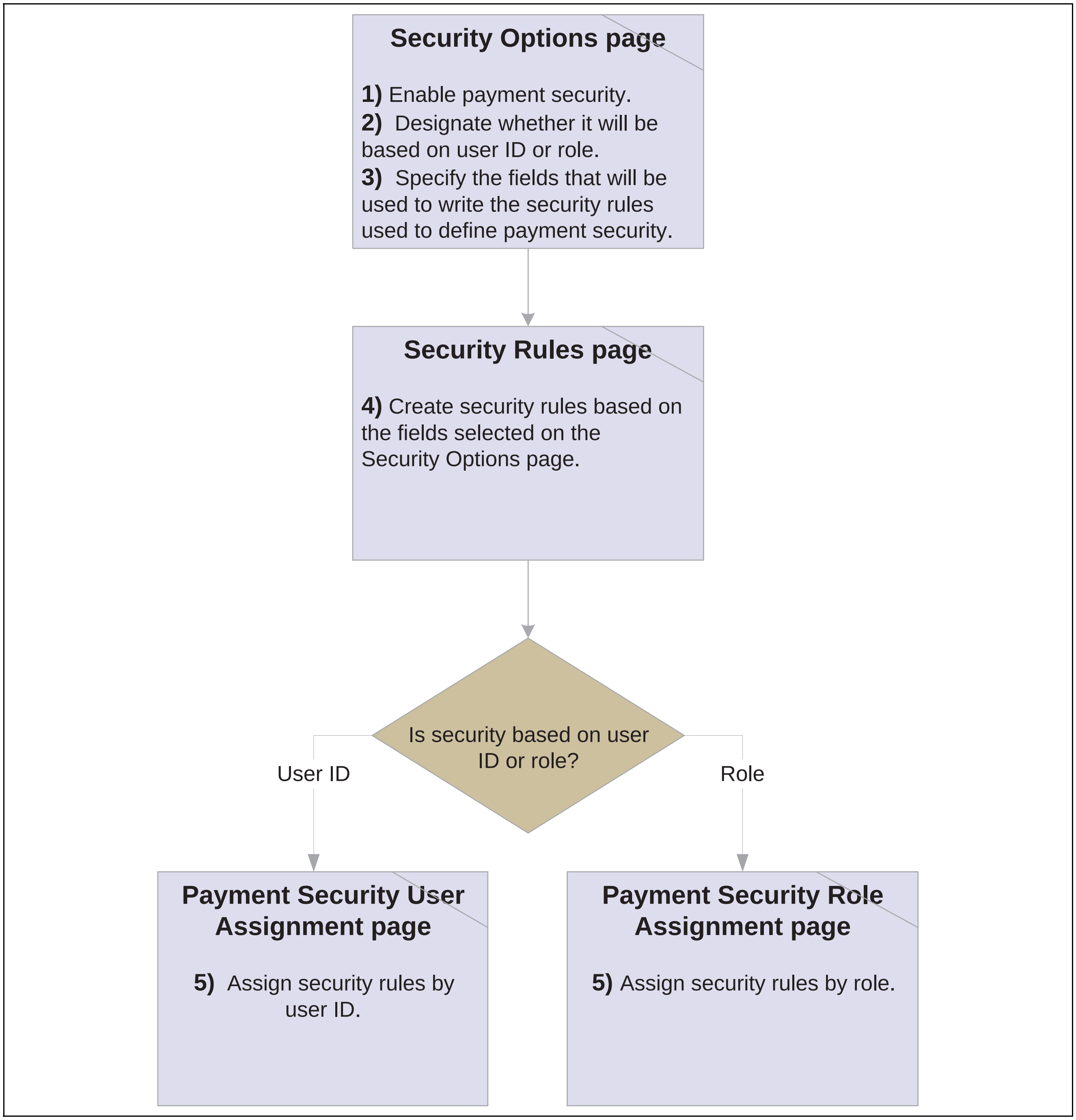
Understanding Payment Security

Because payments contain sensitive information, access to them should be restricted so that users can access only the payments that are needed to fulfill their job function. For example, a user whose job is to process payments for Payables should have access to only those payments that are associated with the Payables application. To address this issue, the Financial Gateway system enables an administrator to specify which types of payments users can view or process.

On all payment search pages, the payment security functionality limits the list of prompt values for secured fields to only those that meet the defined security-rule criteria. The prompt values are determined based on the rule definitions that are assigned to a given user or role.

The setup involves an administrator enabling the functionality and creating security rules that define what payments can be accessed. Next, the administrator assigns rules to user IDs or roles so that when users attempt to query payments, only those payments that comply with their assigned rules appear. Payment inquiries, whether online or in a report, filter out payments that are based on the requesting user and the criteria that are specified for them based on their user ID or their role.

This diagram shows the steps and related application pages that are necessary for setting up payment security.



Application page flow for setting up payment security

Activating Payment Security

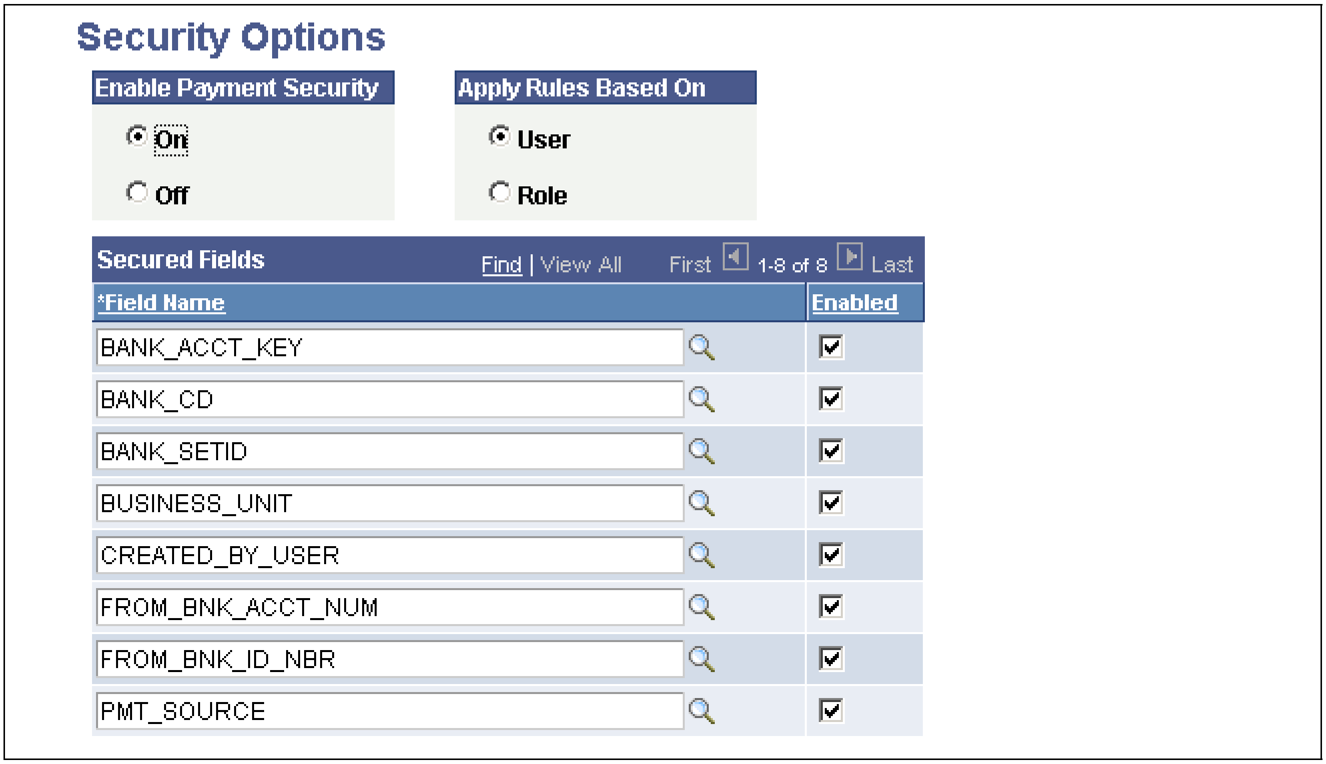
This section discusses how to enable payment security.

Page Used to Activate Payment Security

Page Name	Object Name	Navigation	Usage
Security Options	PMT_SEC_OPTIONS	Financial Gateway, Payment Security, Options	Activate payment security based on user or role and enable payment fields.

Enabling Payment Security

Access the Security Options page.



Security Options page

Enable Payment Security

The options are:

- *On:* Select to activate payment security. When payment security is activated, payment security options can be used to more narrowly define aspects of payment security.
- *Off:*Select to disable payment security. Doing so permits all users that have access to the payment review and processing pages access to all payment information in the Financial Gateway.

Apply Rules Based On

If payment security is enabled, determine whether the security rules are enforced based on the user’s identity or role. This is a system-wide option and is not based on business unit or SetID. In addition, it is not possible to base security on a combination of role and user; you must base it on role or identity.

Secured Fields

Lists the fields on which you want to base your system’s payment security. For example, by enabling the BANK_ACCT_KEY field, you can then define a user’s access to payment information based on specific bank accounts (on the Security Rules page), limiting them to payment information for only those accounts.

Fields not enabled on this page will not be available for selection in the Field Name field of the Security Rules page. The options are:

- *BANK_ACCT_KEY:* Bank Account to which the payments are being sent.
- *BANK_CD:* Bank code
- *BUSINESS_UNIT:* Business unit.
- *CREATED_BY_USER:* User that created the payment.
- *FROM_BNK_ACCT_NUM:* The originating bank account.
- *FROM_BNK_ID_NBR:* The originating bank's ID number.
- *PMT_SOURCE:* Payment Source—application from which the payment originated.

Creating Payment Security Rules

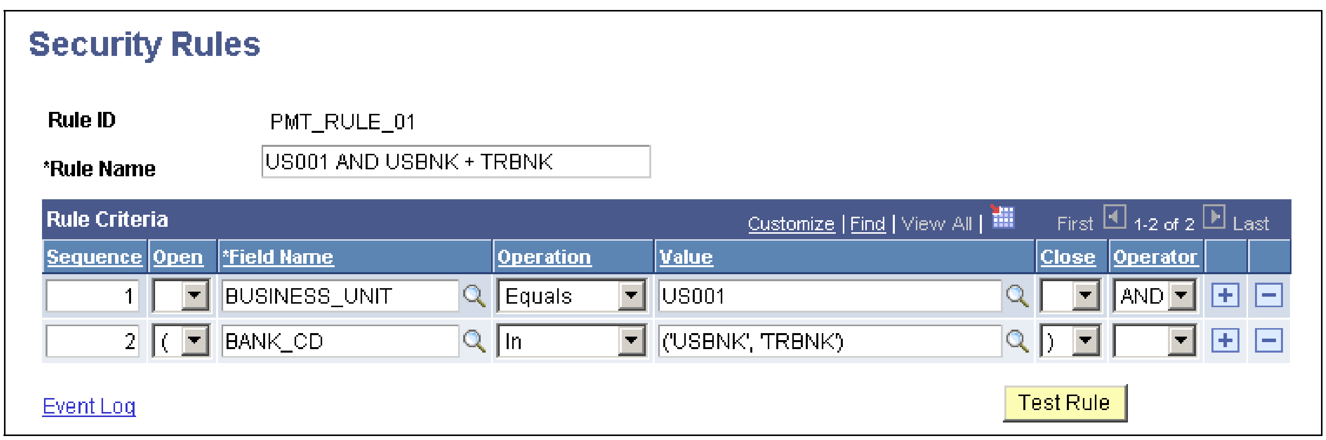
The section discusses how to define security rules.

Page Used to Create Payment Security Rules

Page Name	Object Name	Navigation	Usage
Security Rules	PMT_SEC_RULE	Financial Gateway, Payment Security, View Security, Rules	Define payment security rules that can be assigned to users or roles.

Defining Security Rules

Access the Security Rules page.



Security Rules page

Use the Sequence, Field Name, Operation, Value, Operator, and Open and Close fields to create rules that specifically define which payments are accessible to the roles or users to which the rules are assigned.

Use the open and close columns fields for parentheses around SQL statements.

Test Rule Click to run a test on the validity of the rule's logic.

Assigning Payment Security Rules

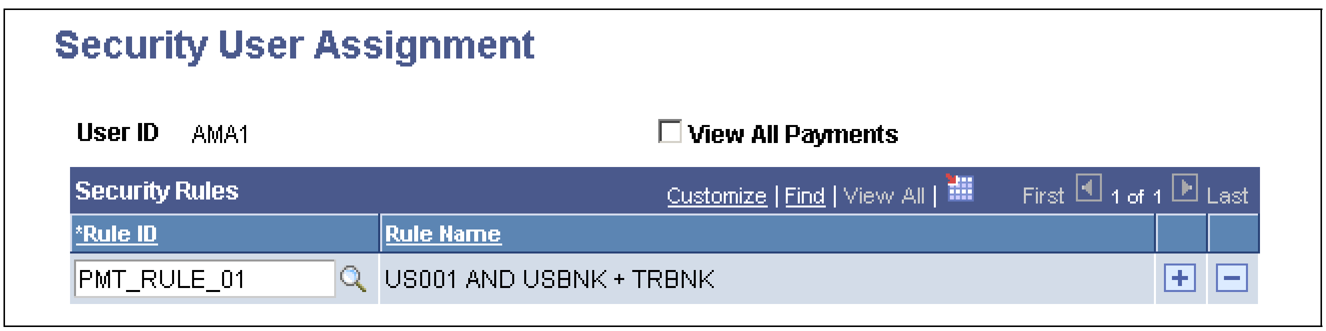
This section discusses how to assign security rules.

Pages Used to Assign Payment Security Rules

Page Name	Object Name	Navigation	Usage
Payment Security Role Assignment	PMT_SEC_ROLE	Financial Gateway, Payment Security, View Security, Role Assignment	Assign payment security rules to a role.
Payment Security User Assignment	PMT_SEC_USER	Financial Gateway, Payment Security, View Security, User Assignment	Assign payment security rules to a user.

Assigning Security Rules

Access the Payment Security User Assignment page or the Payment Security Role Assignment page.



Security User Assignment

Use this page to assign rules that define the payments to which the user will have access.

CHAPTER 5

Processing Bank Statements in Financial Gateway

This chapter provides an overview of statement updates, lists prerequisites and common elements, and discusses how to:

- Import bank statements.
- Review bank statement files.

Understanding Statement Updates

The loading of bank statement information is an integral part of the reconciliation, bank statement accounting, and cash position processes. The system processes previous-day statements that it uses for reconciliation and accounting, current-day statements for cash position worksheets, and account analysis statements for bank fee analysis. PeopleSoft enables you to enter bank statement information in one of three ways.

The first method to enter bank statement information is to import a bank statement either from the file system or a file transfer protocol (FTP) file server using one of the many PeopleSoft-supported bank statement types.

The second method, used if you receive only hardcopy statements from a bank, requires you to manually enter the statement information online using the following entry pages:

- Enter Bank Balances
- Enter Bank Statements
- Enter Internal Bank Balances
- Same Day Bank Statement

The third method of entering bank statement data is to integrate with a bank or bank communications partner by using PeopleTools Integration Broker.

See Also

Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Setting Up Common Components for Bank Statement, Payment, and Payment Acknowledgment Processing, page 19

Enterprise PeopleTools 8.46 PeopleBook: Integration Broker

Technical Overview of Bank Statement Data Transmittal

When you import bank statements, the data is transmitted to the PeopleSoft system, which automatically loads the data to the production tables.

To import data, you run the File Import Application Engine process (IMPORT_FILES) from the Import Bank Statements page; this automatically loads bank statements from a file. You specify information that the system needs to retrieve the files, such as file location, layout, and type, and run the process. The process obtains the file contents, converts the content to a PeopleSoft standard layout, and loads the data into staging tables. After the files are loaded into the staging tables, the Treasury Bank Statement Load Application Engine process (TR_BSP_LOAD) copies the information from the staging tables into the production tables. It also determines whether a statement is a duplicate statement. Information for duplicate statements appears on the PeopleTools Process Monitor Process List (PMN_PRCSLIST) and Message Log (PMN_BAT_MSGLOG) pages.

Note. The system considers previous day statements as duplicates if a statement already exists with the same bank ID, bank account, and as of date.

Prerequisites

Prior to importing bank statements, you must perform the following tasks, as required by the particular bank integration:

1. Define bank statement codes.
2. Define transaction codes.
3. Define code mappings.
4. Review delivered bank statement layouts.
5. (Optional) Define event notification.
6. Define bank node and encryption profile settings in PeopleSoft Integration Broker.
7. Define bank integration layouts.

Common Elements Used in This Chapter

Request Number

Displays the unique identification number for each request row. The system automatically numbers this field when you add multiple request rows to a run control ID. This number does not determine processing order.

Statement Type

Select from the following options:

- *Current Day*
- *Previous Day*
- *Statement Analysis*

The system places the imported file contents into specific database tables for the statement type that you select. For example, if you select *Current Day,* the system retrieves current-day statement information and stores it on the current day tables.

If you select Statement Analysis, the system loads a list of fees that were charged. This provides the ability to compare the fees charged by the bank to what was defined in the system, as well as to compare them with the fees charged by other banks.

View Layout Details	Click to access the Layout Catalog page, and view detailed processing information about the selected layout.

Importing Bank Statements

This section discusses how to import bank statements.

See Also

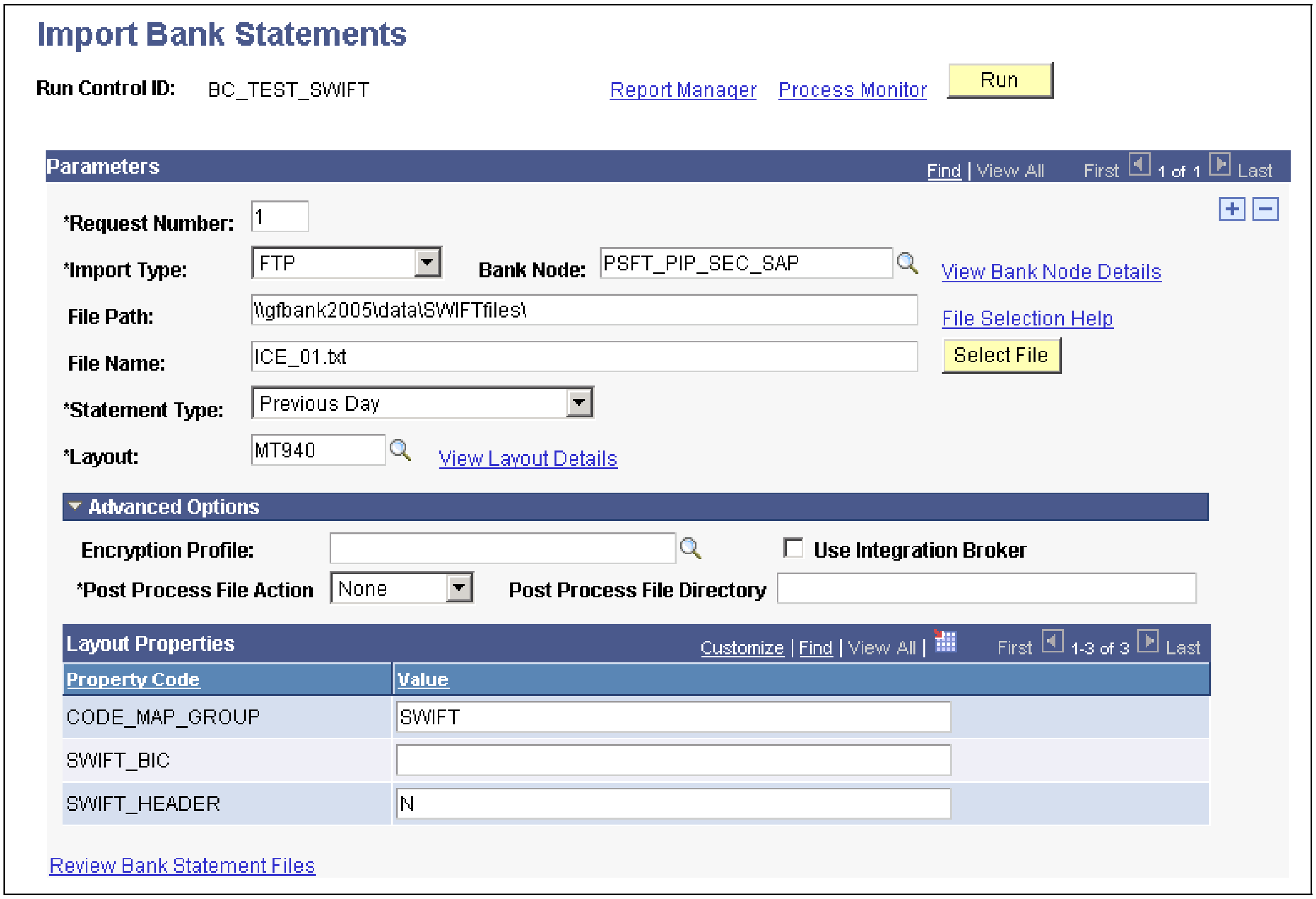
Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," page 11

Pages Used to Import Bank Statements

Page Name	Object Name	Navigation	Usage
Import Bank Statements	BSP_IMPORT	Banking, Bank Statements, Import Bank Statement	Import bank statements (for example, BAI2 statements) into the Bank Statement staging tables. Define file import information and run the File Import Application Engine process (IMPORT_FILES). This process imports any file from any bank if the statement type complies with the accepted layouts See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Understanding the Layout Catalog, page 20. **Note.** You also use this page to transmit bank statement data to PeopleSoft EnterpriseOne General Accounting, if that integration is enabled. See *PeopleSoft Enterprise Cash Management 8.9 PeopleBook*, "Defining Cash Management Processing Options," Integrating Enterprise Treasury with EnterpriseOne General Accounting.
Bank Node Details	BSP_IMPORT_BNKNODE	Click View Bank Node Details on the Import Bank Statements page.	Review bank node property details.
Layout Catalog	PMT_FORMAT_CATLOG	Click View Layout Details on the Import Bank Statements page.	View details of the layout that you are importing.

Importing Bank Statements

Access the Import Bank Statements page.



Import Bank Statements page

Parameters

Import Type

Select the method to import the bank statement data. Options are:

- *FTP:* Select if you are importing the file by using file transfer protocol, and enter a bank node through which to transfer the data.
- *File:* Select if you are importing a file, and complete the File Path and File Name fields.

Bank Node

Enter the bank node to use to transfer the data. This field appears only if FTP is selected as the Import Type.

View Bank Node Details

Click to access the Bank Node Details page and review property details of the selected node. This link appears only if FTP is selected as the Import Type.

File Path

Enter the complete file path location. To select files by using the Select File button, the file path must have a trailing backslash (\).

You can also search for files of a specific type by entering an asterisk and the extension suffix. For example, to search all files with a .BAI suffix enter:

```
\*.BAI
```

File Selection Help

Click to view help information about specifying file paths and file names.

File Name Select the specific file to import. If you want to import multiple files based on extension, leave this field blank.

Layout Select the file layout of the bank statement file being imported.

Advanced Options

Encryption Profile Select an encryption profile to decrypt bank statements. Encryption profiles contain both encryption and decryption information.

Use Integration Broker Select to lay out the files and publish the formatted document to PeopleSoft Integration Broker. Integration Broker then processes the formatted file accordingly.

You select this option if you want to use the bank statement information as a trigger to Integration Broker to perform other processes, or to integrate with other systems.

Note. You must select this option to integrate bank statement data with PeopleSoft EnterpriseOne General Accounting.

See *PeopleSoft Enterprise Cash Management 8.9 PeopleBook*, "Defining Cash Management Processing Options," Integrating Enterprise Treasury with EnterpriseOne General Accounting.

See *PeopleSoft EnterpriseOne 8.11 SP1 Application Integrations with PeopleSoft Enterprise Applications*

Post Process File Action Select what action, if any, to perform on the bank statement files after the data has been processed. The options are:

- *Copy:* Copy the file to the directory that is entered in the Post Process File Directory field.
- *Delete:* Delete the file after the data in it is processed.
- *Move:* Move the file to the directory that is entered in the Post Process File Directory field.
- *None:* Take no action.

Post Process File Directory Enter a file path to the directory to which the file will be moved or copied if either option is selected as the post process file action.

Layout Properties

Value Property codes and values appear by default from values that are defined on the selected layout ID.

If you configure unique code mappings for a layout (on the Code Mappings page), you need to modify the displayed CODE_MAP_GROUP value with the appropriate unique map value.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

Note. If you are importing multiple files for a single run control ID, you must add requests (by using the Add button) for each file that is being requested. Do not enter a file name, run the import process, then edit the file name and run the import process again. Doing this can result in duplicate-statement-loading errors.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Integration Broker, "Configuring Nodes and Transactions"

Reviewing Bank Statement Files

This section discusses how to review bank statement files.

The Review Bank Statement Files page enables you to review the imported bank statement files. You can see whether the system successfully loads a file. And if a file does is not load successfully, use the View Bank Statement File Log page to determine exactly where the system encounters a file loading error.

Important! Any user with access to these pages can view the file details. Restrict user access by using PeopleTools Security functionality.

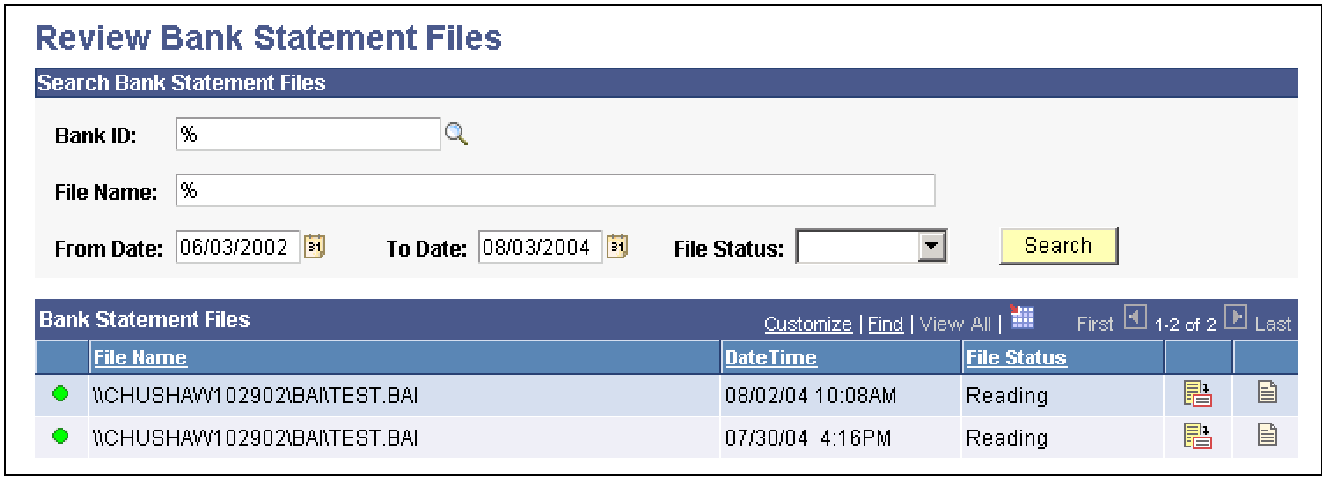
See *Enterprise PeopleTools 8.46 PeopleBook: Security Administration*

Pages Used to Review Bank Statement Files

Page Name	Object Name	Navigation	Usage
Review Bank Statement Files	BSP_FILE_INQUIRY	Banking, Bank Statements, Review Bank Statement Files	Review summary and detail information about the import status of bank files.
View Bank Statement File Log	BSP_FILE_INFO	Click View Event Log on the Review Bank Statement Files page.	View summary information of system events that were logged for a specific bank statement file.
View Bank Statement File	BSP_FILEDATA_SP	Click View File on the Review Bank Statement Files page.	View the bank statement file that is transmitted from the bank.

Reviewing Bank Statement Files

Access the Review Bank Statement Files page.



Review Bank Statement Files page

Enter the search parameters and click Search.

File Status

Options are:

- *Error:* Appears if the file is not successfully loaded. A red square also appears next to the file name. You must correct the error and then reimport the file.
- *Formatting:* Appears if the system is still transforming the file to a PeopleSoft-readable layout.
- *Reading:* Appears if the system is still reading the file data before loading the data to the staging tables.
- *Staged:* Appears if the system has loaded the transformed data to the staging tables. A green circle also appears next to the file name.
- *Warning:* Appears if the file is loaded with errors. A yellow, inverted triangle also appears next to the file name.

View Files

Click to review bank-statement-file, transmittal information.

View File Detail

Click to review event log information for a bank statement file.

CHAPTER 6

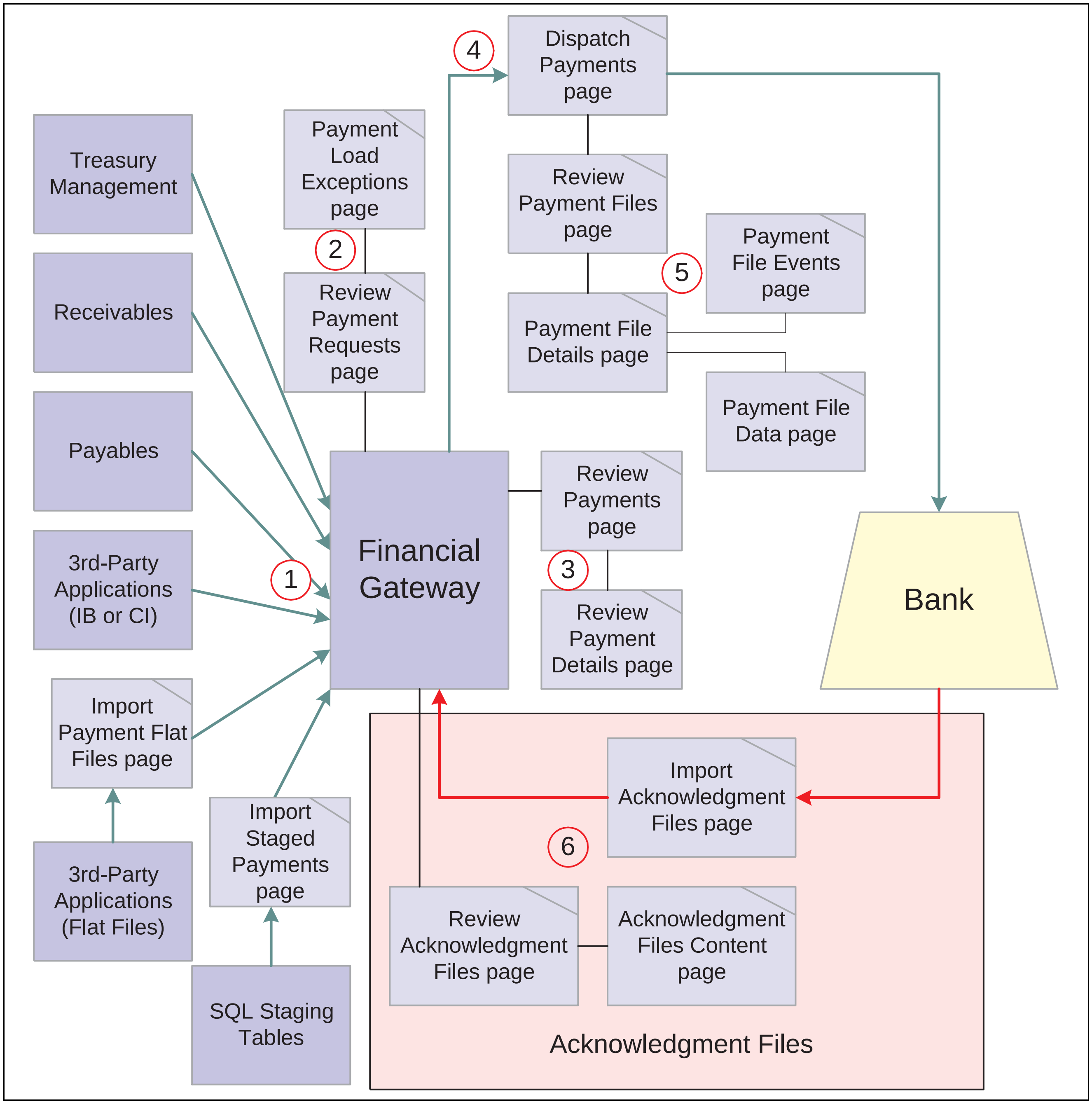
Working with Payments in Financial Gateway

This chapter provides an overview of the payment process in Financial Gateway and discusses how to:

- Import Payment Files from Third-Party Applications into Financial Gateway.
- Review the payment load process.
- Review payments in Financial Gateway.
- Dispatch payments in Financial Gateway.
- Review payment files.
- Import bank acknowledgments.

Understanding the Payment Process in Financial Gateway

This diagram illustrates the steps involved in payment and payment acknowledgment processing using Financial Gateway.



Financial Gateway payment process

In the diagram above, the payment path is represented by the green arrows. The payment-acknowledgment-file path is represented by the red arrows.

1. Payments are loaded into Financial Gateway from:
   - PeopleSoft source applications using the delivered integration, which involves the application class component.
   - Third-party applications using a component interface.
   - Third-party applications using Integration Broker.
   - Third-party applications sending payments in flat-file format using the Import Payment Flat Files page.

- SQL staging tables using the Import Staged Payments page. Users can use a variety of technologies to insert the data into the SQL staging tables.

   Regardless of the method used to import payments, the Payment Load Application Engine (PMT_LOAD) process loads payments from source applications into Financial Gateway.

2. You can view results of the payment load process on the Review Payment Request page. Details of errors that are encountered during the payment load process can be viewed on the Payment Load Exceptions page.
3. When the payments are in the Financial Gateway tables, you can review them using the Review Payment pages. Here payments can be approved for, or held from, further processing.
4. After the optional review process, payments are sent to the bank as payment files using the Dispatch Payment Application Engine. This process can be run manually from the Dispatch Payments page or set up to run automatically using the Schedule Payment Dispatch page.
5. You can obtain a variety of information using the Payment Files page.
6. Depending on the bank and whether your system is set up appropriately, you can download files acknowledging that the payment was received, processed, and completed. Importing payment acknowledgment files can also be set up to run automatically using the Integration Broker. After the acknowledgment files have been downloaded, they can be reviewed for pertinent information.

See Chapter 2, “Defining Financial Gateway Integration Options,” Understanding the Financial Gateway Integration Process, page 3.

Integration Points

This table lists the three integration points that are used in the payment process.

Integration Point	Purpose	Method of Integration
PAYMENT_REQUEST	Used to send payments to Financial Gateway.	Used by all source applications that can integrate with Financial Gateway.
PAYEMENT_RESPONSE	Used to send the status of payments from Financial Gateway to the source application.	Can be used by Cash Management, Receivables, Payables, and third-party source applications that use Integration Broker to integrate with Financial Gateway.
PAYMENT_CANCEL	Used by Financial Gateway to cancel payments in the source application.	Can be used by Cash Management, Receivables, Payables, and third-party source applications that use Integration Broker to integrate with Financial Gateway.

Payment Statuses

This table lists the various statuses that a payment can have as it moves through the Financial Gateway payment process:

Payments Status	Details
Canceled	Payment was canceled in Financial Gateway. Can be resent from source application.

Payments Status	Details
Error	An error was encountered when Financial Gateway attempted to process the payment. Details of the error can be viewed on the Payment Load Exceptions page.
Flagged for Hold	Payment is being held for review and cannot be dispatched.
Awaiting Dispatch	Payment is loaded into Financial Gateway. If selected, the payment will be dispatched to the bank the next time the Dispatch Payment Application Engine is run.
In Process	The Dispatch Payment Application Engine is processing the payment.
Dispatched to Bank	The payment has been sent to the bank by the Dispatch Payment Application Engine.
Acknowledged by Bank	The bank has received the payment and has sent and acknowledgment.
Paid	The bank has received the payment, processed it, and sent a payment acknowledgment file back to Financial Gateway.

See Also

Chapter 2, "Defining Financial Gateway Integration Options," Understanding the Financial Gateway Integration Process, page 3

Importing Payments as Flat Files from Third-Party Applications

This section discusses how to import payment flat files from third-party applications.

Note. This section provides information that is necessary for importing payments into Financial Gateway from third-party applications only in flat file format.

See Also

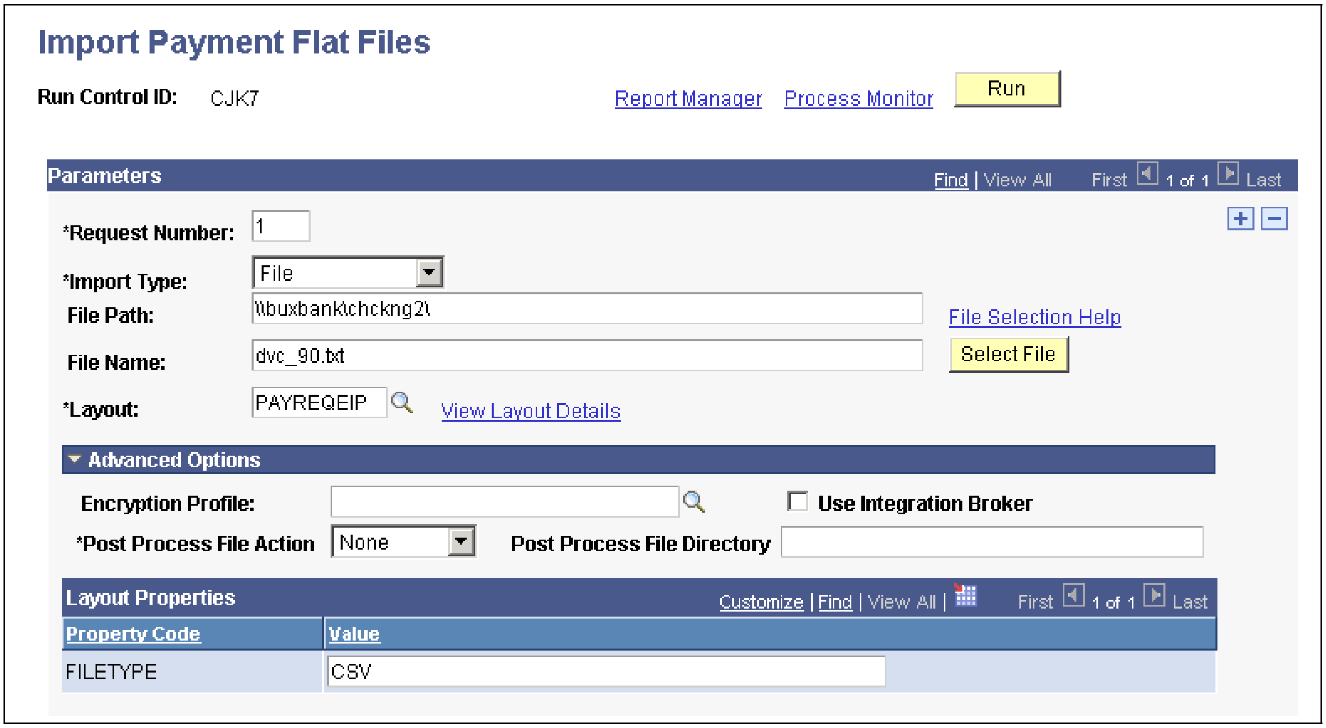
Chapter 6, "Working with Payments in Financial Gateway," Understanding the Payment Process in Financial Gateway, page 63

Pages Used to Import Payment Flat Files

Page Name	Object Name	Navigation	Usage
Import Payment Flat Files	BSP_IMPORT	Financial Gateway, Import Payments, Import Payment Flat Files	Download payments as flat files from third-party applications into Financial Gateway.

Importing Payment Flat Files from Third-Party Applications

Access the Import Payment Flat Files page.



Import Payment Flat Files page

Parameters

Import Type

Select from the following options:

- *FTP:* Select if you are importing the file by using file transfer protocol, and enter a bank node through which to transfer the data.
- *File:* Select if you are importing a file, and complete the File Path and File Name fields.

Bank Node

Enter the bank node that was used to transfer the data. This field appears only if FTP is selected as the import type.

View Bank Node Details

Click to access the Bank Node Details page and review property details of the selected node. This link appears only if FTP is selected as the import type.

File Path

Enter the complete file path location. To select files by using the Select File button, you must include a trailing backslash (\) in the file path.

You can you can also load all files in a given directory by using the *.* notation or search for files of a specific type by entering an asterisk and the extension suffix. For example, to search all files with a .txt suffix, enter:

```
\*.txt
```

File Selection Help

Click to view help information about specifying file paths and file names.

File Name

Select the specific file to import. If you want to import multiple files based on extension, leave this field blank.

Advanced Options

Encryption Profile

Select an encryption profile to decrypt bank statements. Encryption profiles contain both encryption and decryption information.

Use Integration Broker

Select to format the files and publish the formatted document to PeopleSoft Integration Broker. Integration Broker then processes the formatted file accordingly.

You select this option if you want to use the bank statement information as a trigger to Integration Broker, as an indication to perform other processes, or to integrate with other systems.

Post Process File Action

Select what action, if any, to perform on bank statement files after the data has been processed. The options are:

- *Copy:* Copy the file to the directory that is entered in the Post Precess File Directory field.
- *Delete:* Delete the file after the data in it is processed.
- *Move:* Move the file to the directory that is entered in the Post Precess File Directory field.
- *None:* Take no action.

Post Process File Directory

Enter a file path to the directory to which the file will be moved or copied if either option is selected as the post process file action.

Layout Properties

Value

Specify the type of flat file to be imported. Enter:

- *CSV:* For comma-separated values.
- *Fixed:* For fixed-length field values.

Reviewing the Results of the Payment Load Process

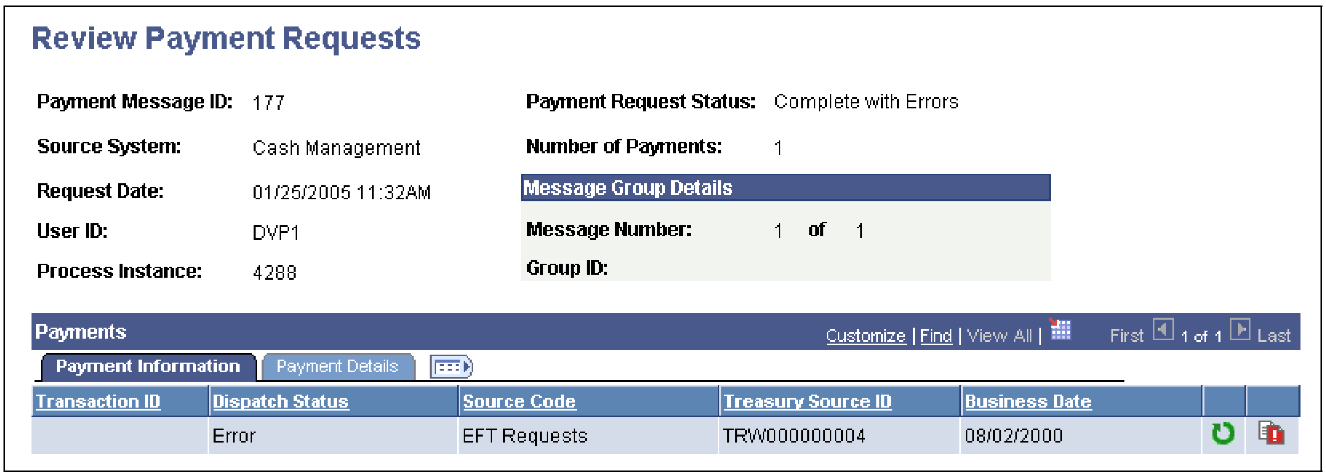
The Payment Load Application Engine (PAYMENT_LOAD) process loads payments from source applications into Financial Gateway, regardless of the method that is used to import payments. This section discusses how to review payment requests.

Pages Used to Review the Results of the Payment Load Process

Page Name	Object Name	Navigation	Usage
Review Payment Requests	PMT_REQUEST_LOG	Financial Gateway, Import Payments, Review Payment Requests	Review payment files that were downloaded from source applications.
Payment Load Exceptions	PMT_EXCEPTION_LOG	Click the View Payment Load Exceptions icon on the Review Payment Requests page.	View details of problems that occurred during attempts to load payment flat files from third-party applications.

Reviewing Payment Requests

Access the Review Payment Requests page.



Review Payment Requests page

Use this page to view a listing and the status of payment requests that were made from source applications. The fields that appear in the Payments group section are source-specific key fields that were specified on the Source Registration page to appear here.

See Also

Chapter 2, "Defining Financial Gateway Integration Options," Page Used to Register Source Applications, page 5

Reviewing Payments in Financial Gateway

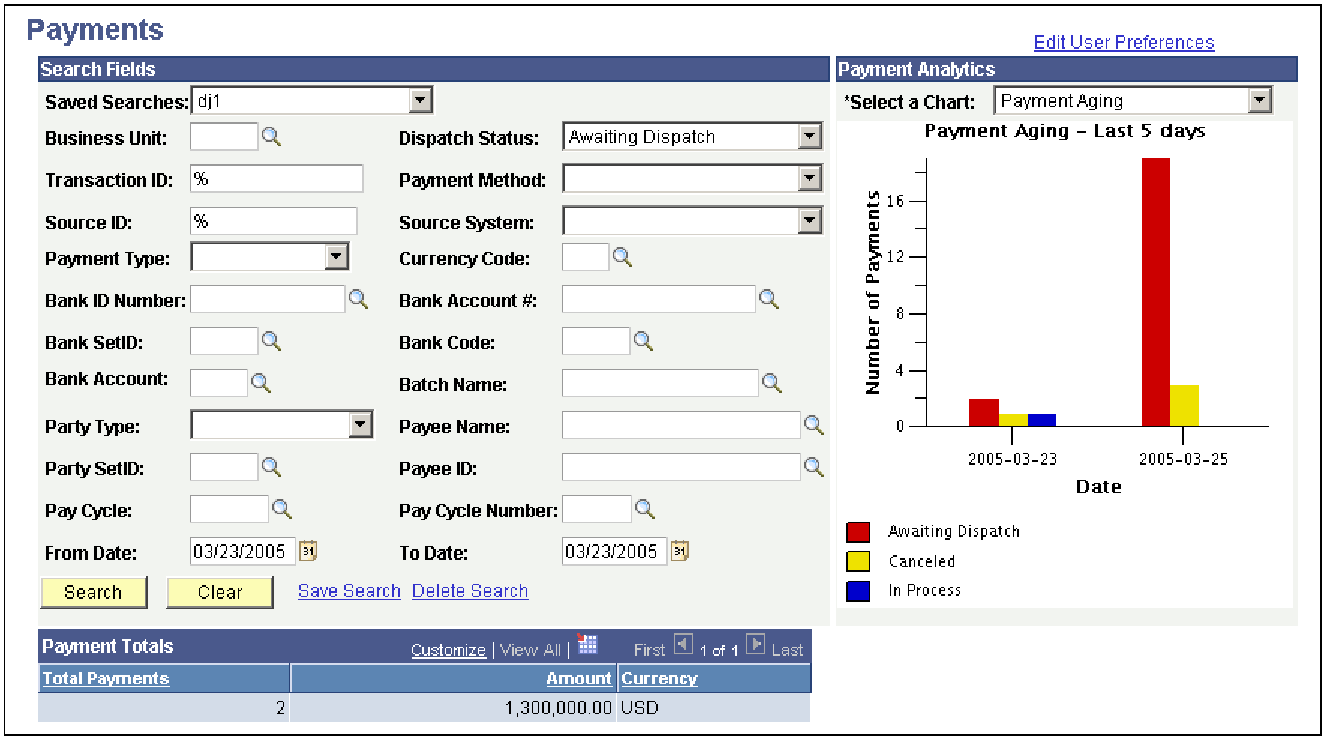
This section discusses how to review payments that have been sent to Financial Gateway.

Pages Used to Review Payments in Financial Gateway

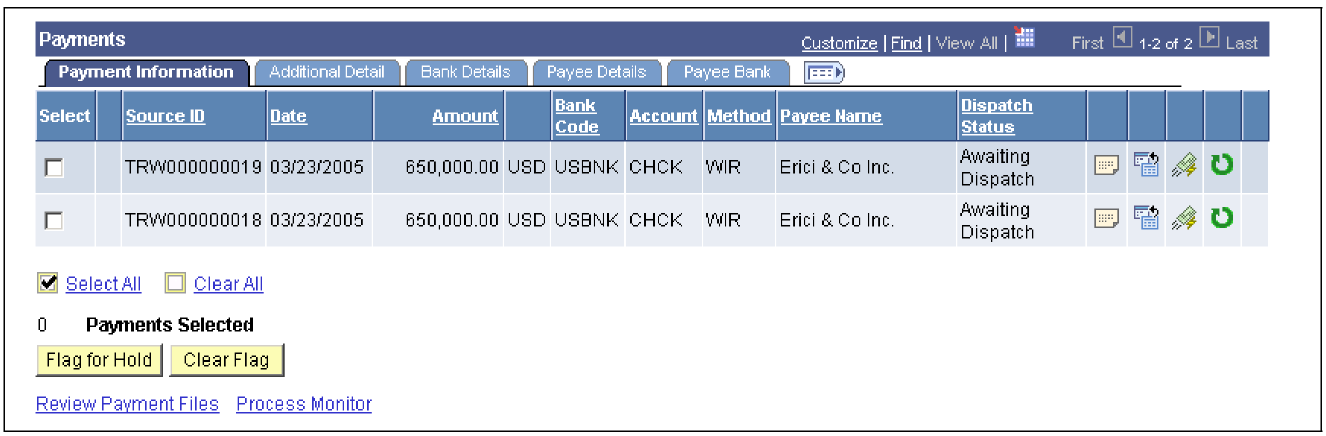
Page Name	Object Name	Navigation	Usage
Payments	PMT_INQUIRY	Financial Gateway, Review Payments, Payments	Inquire on payments that were received by Financial Gateway regardless of the source application.
Payment Preferences	PMT_PREFERENCE	Click the Edit User Preferences link on the Payments page.	Define the search criteria and information to be displayed on the Payments page.
Save Search As	PMT_SEARCH	Click the Save Search link on the Payments page.	Define and save a transaction query using predefined search criteria for future use.
Delete Saved Search	PMT_SRCH_DEL	Click Delete Search on the Payments page.	Delete a defined set of transaction search criteria.
Payment Notes	PMT_NOTES	Click the Payment Notes icon for a specific payment in the grid on Payment Information tab of the Payments page.	View events and add comments regarding a particular transaction. This is useful for such things as describing reason transactions that are in hold status. Notes that you add here appear in the Events for Current Payment grid at the bottom of the page and are also replicated in the Events grid of the Review Payment Details page.
Review Payment Details	PMT_LIFE_CYCLE_INQ	Click the Review Payment Details icon on the Review Payment page, the Dispatch Payments page, or the Payment File Data page.	View a payment's details and progress through the payment life cycle, and drill down to application pages that are related to payment events.
Override Payment Status	PMT_STAT_OVR	Financial Gateway, Administration, Override Payment Status	Change the status of payments.

Reviewing Payments

Access the Payments page.



Payments page (top)



Payments page (bottom)

Edit User Preferences Click to access the Payment Preferences page, which you use to define the search criteria and information that is displayed on the Review Payments page.

Search Fields

Use these field to narrow your search for specific payments, or leave them blank to view all payments that were sent to Financial Gateway.

Note. If Financial Gateway security is enabled, user will see only the payments that meet their access criteria based on the specified security rules.

See Chapter 4, "Setting Up Payment Security," page 49.

Saved Searches Dsplays a list of previously saved search criteria (if any).

Save Search Click to access the Save Search As page to save the search parameters for future inquiries.

Payment Analytics

This group box provides a graphic representation of the criteria that is listed in the Select a Chart field. Use the Payment Preferences page to enable this functionality as well as to define the default chart to be displayed. The chart can display:

- *Total Payments by Method:* A graph of the total number of payments by payment method for the current date.
- *Payments on Hold by Source:* A graph of the total number of payments that were put on hold, grouped by source applications.
- *Payment Aging:* A graph of the total number of payments within Financial Gateway that were sent within the last five days.
- *Payments by Bank:* A graph of all payments by bank for the current day.
- *Payments in Error:* A graph of all payments within Financial Gateway that contain erroneous data.
- *Payments Awaiting Response:* A graph of all payments within Financial Gateway that have been sent to the bank, but have not yet been acknowledged.

Note. The chart may not display data properly if a large amount of data is selected. Because of size constraints within the page the labels will be truncated.

Payment Totals

This group box displays the number of payments that were sent to Financial Gateway grouped by currency type. If more than one type of currency is displayed, the total for each currency appears as a link. Clicking a link regenerates the rows in the Review Payments grid to display only transactions belonging to that specific currency type.

Payments – Payment Information

Select Use this box to select transactions:

- With a status of *Loaded* to be held for approval.

  After you have selected transactions, click the Flag for Hold button to assign a hold status to the selected transactions.
- With a status of *Hold* to be cleared for further processing.

  After you have selected transactions, click the Clear Flag button to clear the hold status on the selected transactions, freeing them for further processing.

Flagged for Hold Indicates that the transaction is on hold status pending further approval.

Source ID The unique identifier that is assigned to the transaction by the source application.

Transaction ID The unique identifier that is assigned to the transaction by Financial Gateway. Settlement ID nomenclature is defined on the Source Registration page.

Payment Notes Click to access the Payment Notes page, which you use to add and view comments about the specified transaction.

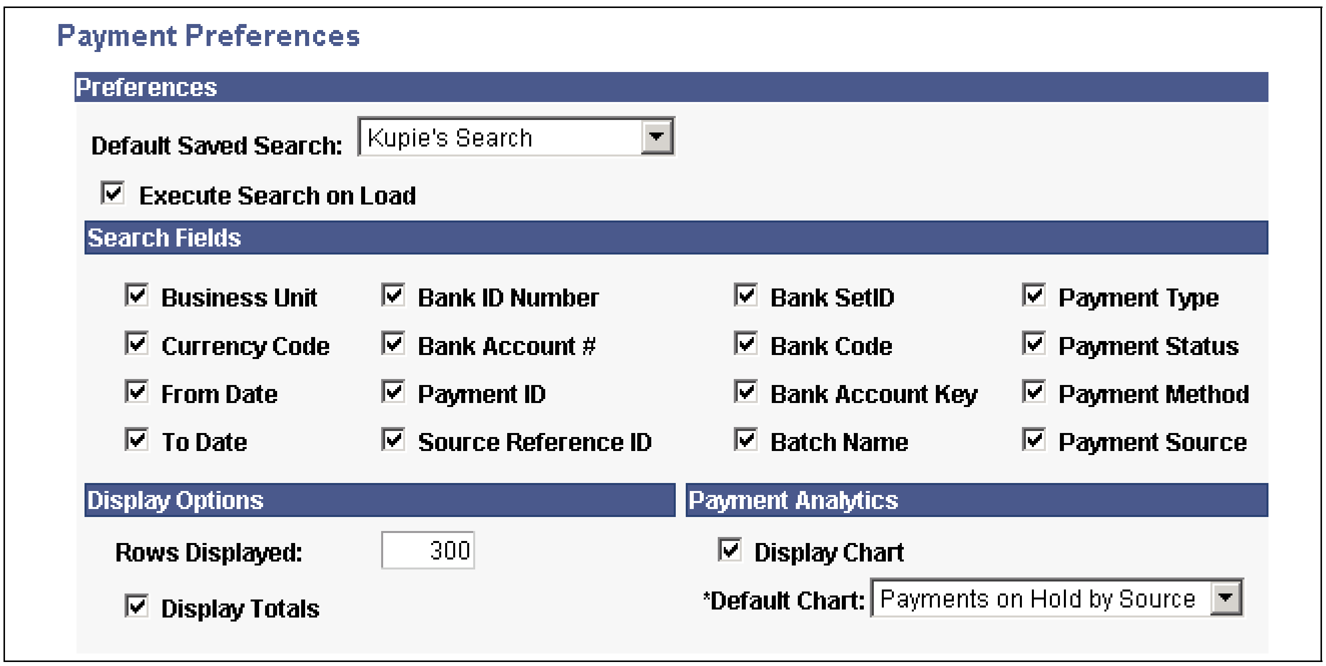
Transfer to Source	Click to access the source application to view detailed information about the specified transaction.
Dispatch Payment	Click to access the Dispatch Payment run control page to manually send the payment to the bank.
Review Payment Details	Click to access the Review Payment Details page to view the payment progress, events, and detailed information on the transaction.
View Payment File	Click to access the Payment Files page to view payment-file, transmittal information.

Bank Details

Cutoff Time and **Cutoff Date**	Payments arriving by this time and date are processed by the bank that day. Payments arriving afterwards are processed on the next business day.

Configuring the Review Payments Page

Access the Payment Preferences page.



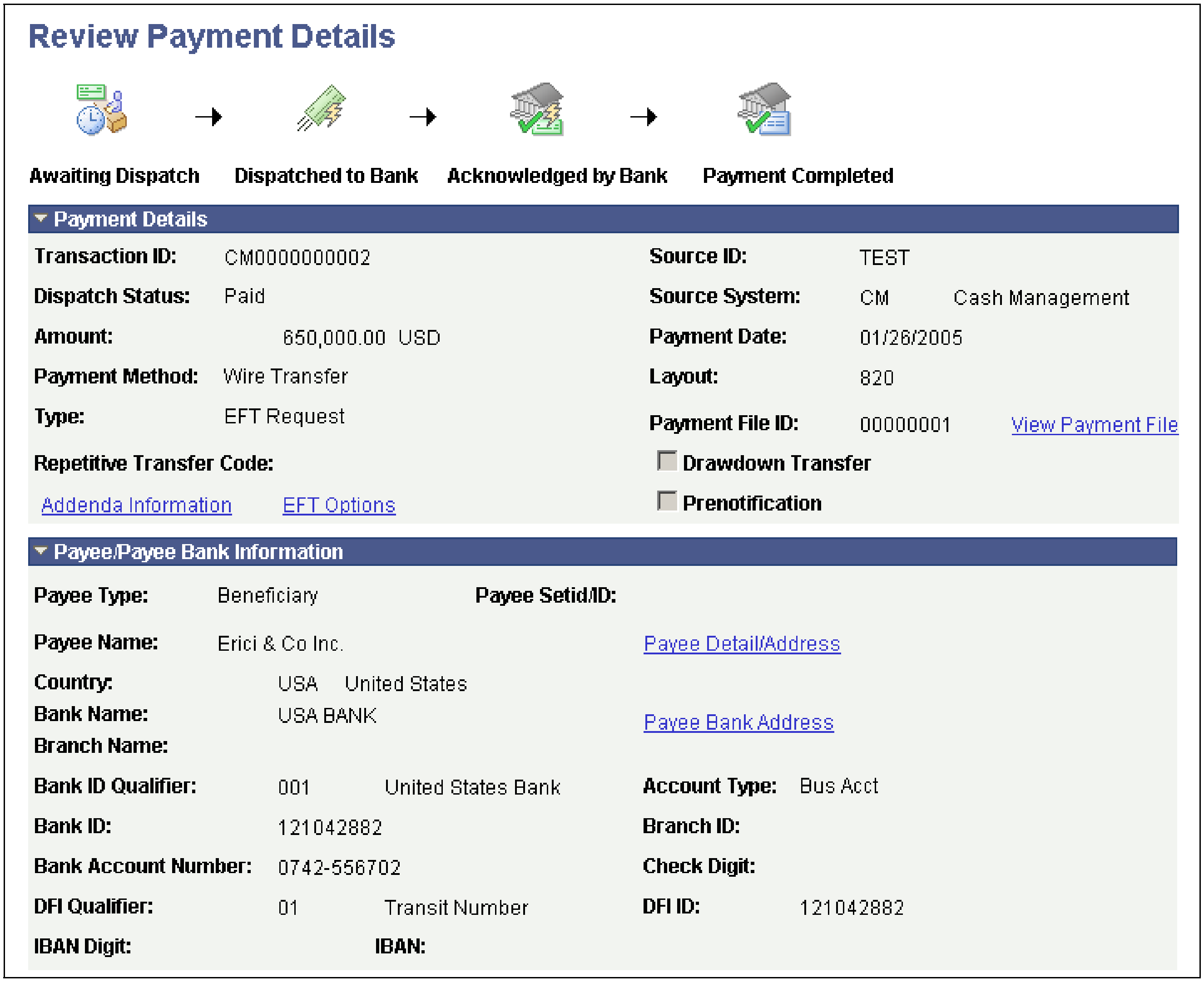
Payment Preferences page

Use this page to define search criteria for the Review Payments page.

Default Saved Search	Select a previously defined set of search criteria to be designated as the default search settings on the Review Payments page.
Execute Search on Load	Select to automatically query the database for the data matching the default search criteria for the current day.
Display Totals	Select to display the number of payments that were sent to Financial Gateway categorized by currency types on the Review Payments page.

Reviewing Payment Details

Access the Review Payment Details page.



Review Payment Details

Awaiting Dispatch → Dispatched to Bank → Acknowledged by Bank → Payment Completed

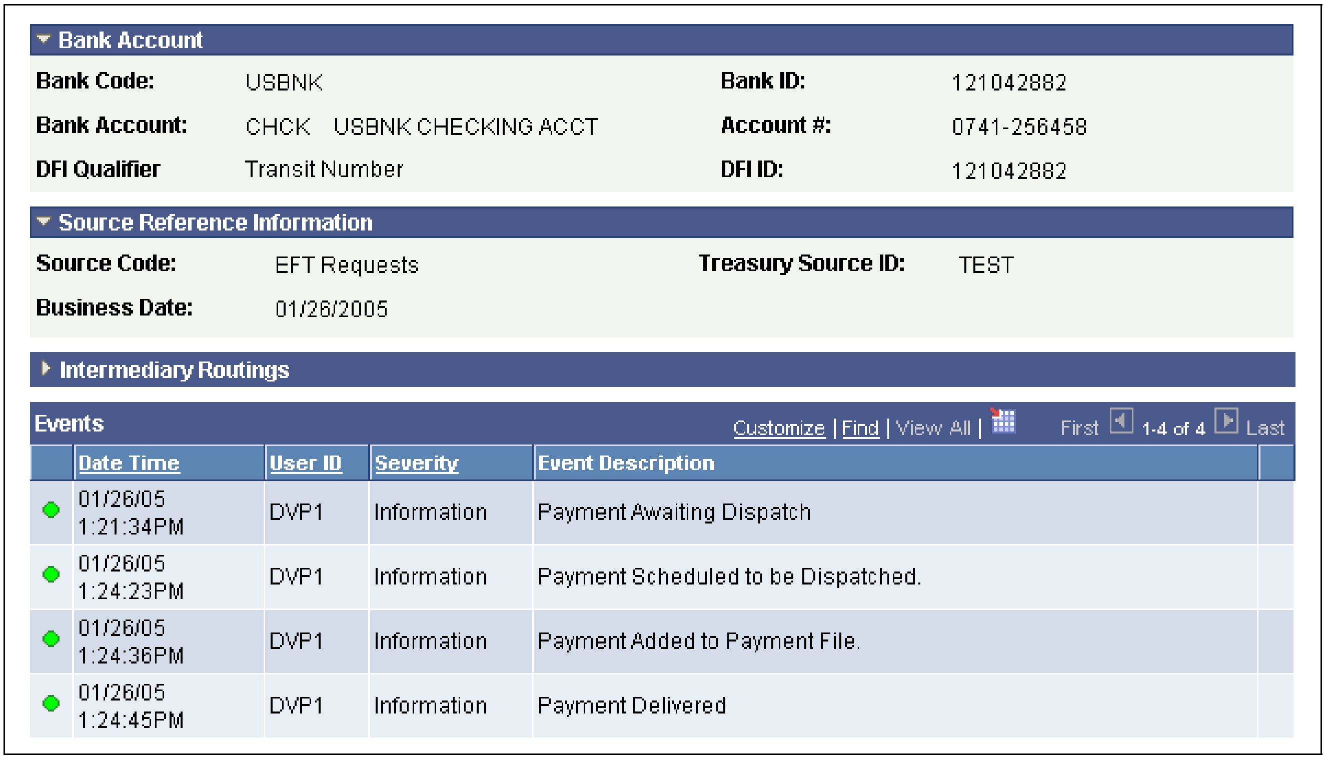
Payment Details

Transaction ID:	CM0000000002	**Source ID:**	TEST
Dispatch Status:	Paid	**Source System:**	CM Cash Management
Amount:	650,000.00 USD	**Payment Date:**	01/26/2005
Payment Method:	Wire Transfer	**Layout:**	820
Type:	EFT Request	**Payment File ID:**	00000001 View Payment File
Repetitive Transfer Code:		Drawdown Transfer	
Addenda Information	EFT Options	Prenotification	

Payee/Payee Bank Information

Payee Type:	Beneficiary	**Payee SetId/ID:**	
Payee Name:	Erici & Co Inc.	Payee Detail/Address	
Country:	USA United States		
Bank Name:	USA BANK	Payee Bank Address	
Branch Name:			
Bank ID Qualifier:	001 United States Bank	**Account Type:**	Bus Acct
Bank ID:	121042882	**Branch ID:**	
Bank Account Number:	0742-556702	**Check Digit:**	
DFI Qualifier:	01 Transit Number	**DFI ID:**	121042882
IBAN Digit:		**IBAN:**	

Review Payment Details page (top)



Review Payment Details page (bottom)

This page provides a graphical representation of the current payment's progress through the payment life cycle. The icons at the top of the page—Awaiting Dispatch, Dispatched to Bank, Acknowledged by Bank, Payment Processed, and Payment Completed—change from black and white to color as each specific event occurs, and they become enabled buttons that act as links to application pages that are related to the payment and the event. Click a button to access the associated page and view the indicated life-cycle information.

Awaiting Dispatch The transaction is ready to be dispatched to bank. Click to access the Dispatch Payments page.

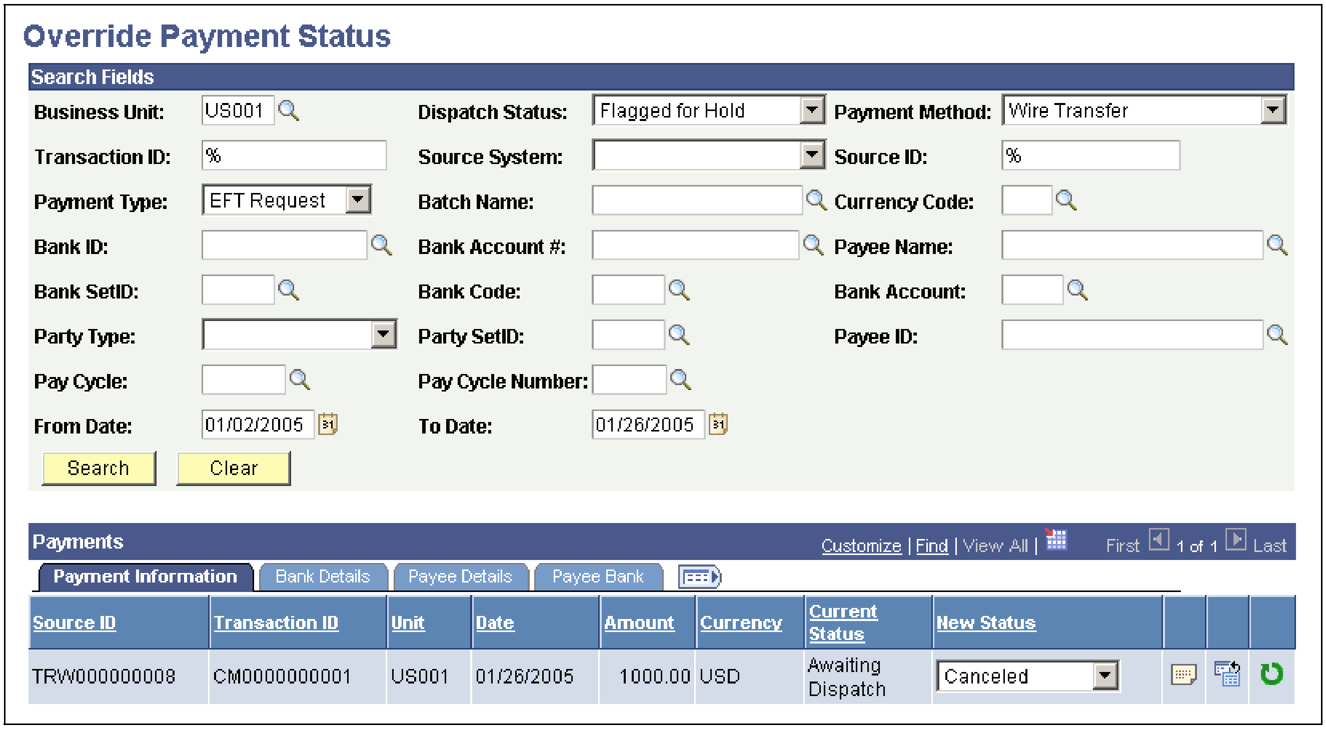
Dispatched to Bank The transaction has been dispatched to the bank. Click to access the Dispatch page to view more details about when and how this transaction was dispatched and the payment file that was created and dispatched.

Acknowledged by Bank The acknowledgement of payment has been received from the bank and downloaded to your system. Click to view the downloaded acknowledgement file.

Payment Completed The bank has paid the transaction. Click to view the paid file and acknowledgement.

Changing Payment Status

Access the Override Payment Status page.



Override Payment Status page

Note. Access to this page and the ability to change the payment status is limited to users assigned to the administrator role.

The options for changing the status of a payment are limited and depend on the current status of the payment. This table lists the options that are available for each payment status.

Current Status	Available Options
Canceled	Awaiting Dispatch
Error	Canceled Paid Awaiting Dispatch
Flagged for Hold	Canceled
Awaiting Dispatch	Canceled
In Process	Can be changed to Awaiting Dispatch if the payment is still in the queue, and the Dispatch Payment Application Engine process has not been run. This may occur if Process Scheduler was set to run at a later time.
Dispatched to Bank	Error Paid

Current Status	Available Options
Acknowledged by Bank	Error Paid
Paid	Error Awaiting Dispatch

Dispatching Payments in Financial Gateway

This section discusses how to dispatch payments.

You dispatch payments in Financial Gateway by running the Payment Dispatch Application Engine process (PMT_DISPATCH). You can run this process manually or schedule it to run at a specified time using PeopleSoft Process Scheduler.

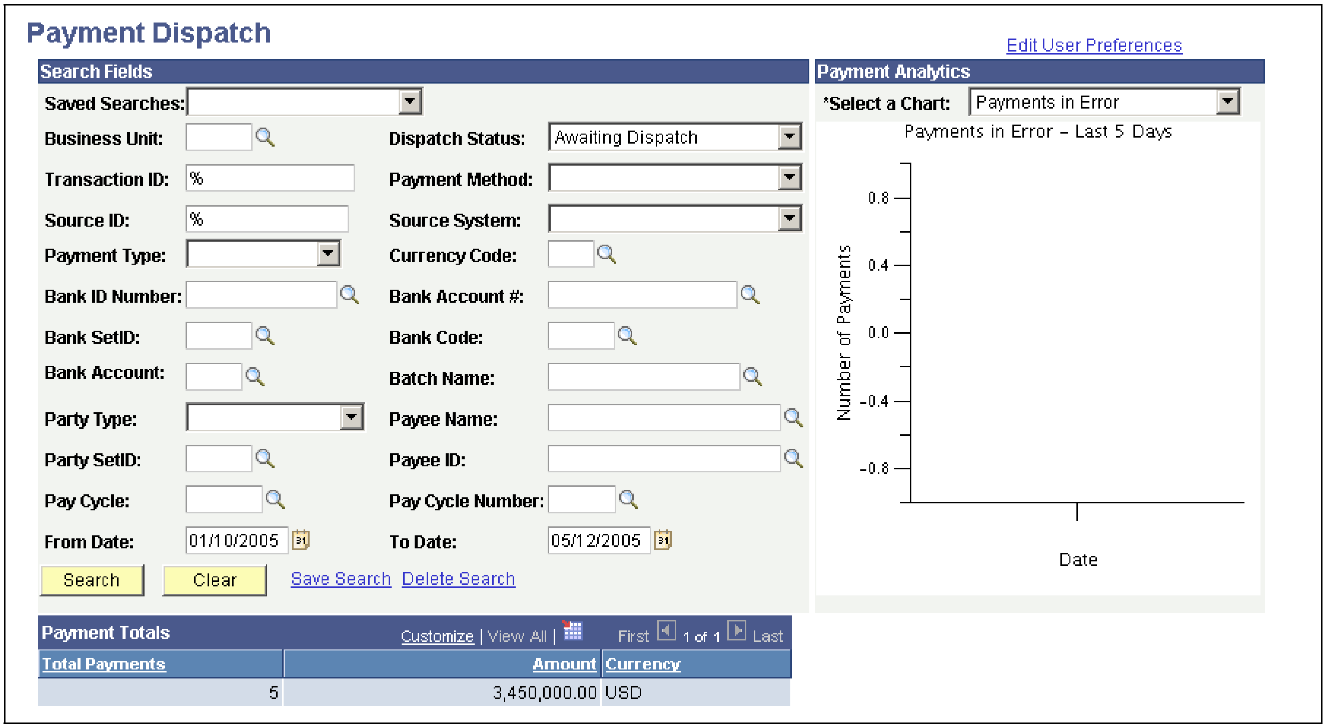
See *Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler*

Pages Used to Dispatch Payments

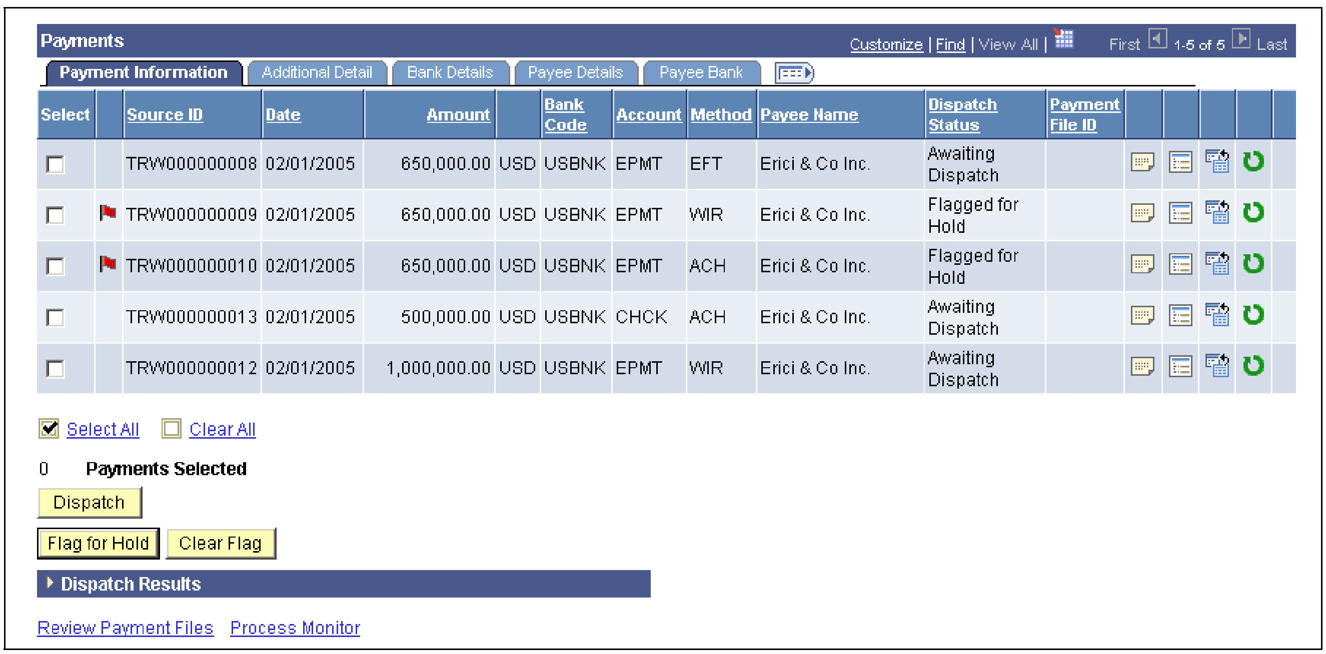
Page Name	Object Name	Navigation	Usage
Schedule Payment Dispatch	PMT_BATCH_DISPATCH	Financial Gateway, Process Payments, Schedule Payment Dispatch	Use PeopleSoft Process Scheduler to automate the payment dispatch process by scheduling the Dispatch Payment process to run in batch mode as the payments arrive in Financial Gateway. Use the Parameter fields to define the payment batches.
Payment Dispatch	PMT_INQUIRY	Financial Gateway, Process Payments, Payment Dispatch	Manually send selected payments to a bank from Financial Gateway.
Payment Preferences	PMT_PREFERENCE	Click the Edit User Preferences link on the Dispatch Payments page.	Modify functionality and define how data is displayed on the Dispatch Payments page.
Addenda	PMT_ADDENDA_SP	Click the Addenda Information icon on the Payment Dispatch page.	Add instructional information that will appear in the actual payment file for a specified payment.

Dispatching Payments

Access the Payment Dispatch page.



Payment Dispatch page (top)



Payment Dispatch page (bottom)

Edit User Preferences	Click to access the Payment Preferences page, which you use to define how certain elements of the Dispatch Payments page are displayed and function.

Search Fields

Use these fields to query the tables in Financial Gateway for specific payment transactions.

Payment Totals

Displays the number of payments and the monetary total for each currency type.

Payments

Select

Select the payments to be dispatched or flagged for hold. This field is unavailable for entry for payments that have already been dispatched

Dispatch

Click to send selected payments to the banks.

Flagged for Hold

Click to hold selected payments for further review and approval.

Payments Selected

Displays the number of payment rows that have been selected for dispatching or placing on hold.

Payment Notes

Click to access the Payment Notes page, which you use to add and view comments about the specified transaction. Comments added here appear only online within the Financial Gateway system— including the event log—for the particular payment.

Addenda Information

Click to access the Addenda page, which you use to add additional instructions for the specified payment. Instructions here will appear within the actual payment file.

Transfer to Source

Click to access the source application to view detailed information about the specified transaction.

Review Payment Details

Click to access the Review Payment Details page to view the payment progress, events, and detailed information on the transaction.

See Chapter 6, "Working with Payments in Financial Gateway," Reviewing Payment Details, page 74.

Review Payment File

Click to access the Review Payment Files page to review payment file transmittal information.

See Chapter 6, "Working with Payments in Financial Gateway," Reviewing Payment Files, page 81.

Bank Details Tab

Cutoff Time and **Cutoff Date**

Payments arriving by this time and date are processed by the bank that day. Payments arriving afterwards are processed on the next business day.

Dispatching a Payment

To dispatch a payment:

1. Select a payment.
2. Click the Dispatch button.
3. If prompted, confirm that you are an authorized user by typing your system sign-in password on the Verify Identity page.
4. The system displays a message stating that the Payment Dispatch Application Engine is scheduled to process the payment. If the process is successful, a payment file is created.

Reviewing Payment Files

The Review Bank Payment Files pages enable you to review the status of the transmitted payment files. You can see whether the system successfully transmitted a file. And if a file was not successfully transferred, use the View Payment File Events page to determine exactly where the system encountered a file transmittal error.

Important! Any user with access to these pages can view the file details. Restrict user access to these pages by using PeopleTools Security functionality.

See *Enterprise PeopleTools 8.46 PeopleBook: Security Administration*

This section discusses how to:

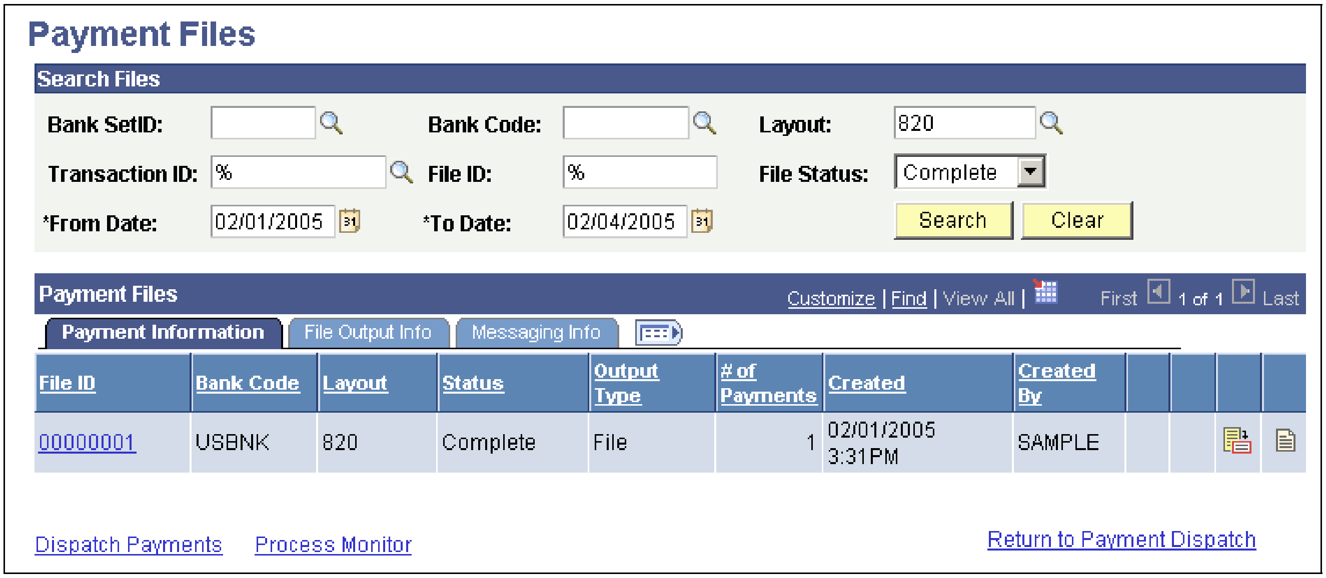
- Review payment files.
- Change payment file status

Pages Used to Review Payment Files

Page Name	Object Name	Navigation	Usage
Payment Files	PMT_FILE_DEFN	• Click the Review Payment Files link on the Payment Dispatch page. • Financial Gateway, Review Payments, Payment Files	Review payment file transmittal information.
Payment File Details	PMT_FILE_DETAILS	Click the Payment File ID link for a specific payment file.	View summary information about the payments that are included in the specified payment file.
Payment File Events	PMT_FILE_EVENT	Click the View Event Log icon on the Review Payment Files page.	View summary information of system events that occurred to the payment file during transmittal. Colored icons indicate the transmittal status of the file. A green circle indicates that the file was successfully transmitted; a red square indicates that the file was not successfully transmitted.
Payment File Data	PMT_FILEDATA_SP	Click View File on the Review Payment Files page.	. View detailed payment file data that was transmitted to the bank. This page cannot be edited.
Override Payment File Status	PMT_FILE_DEFN	Financial Gateway, Administration, Override Payment File Status	Change the status of a payment file.

Reviewing Payment Files

Access the Payment Files page.



Payment Files page

Enter the search parameters and click Search.

File Status

Options are:

- *(None.)*
- *Complete:* Indicates that the payment process is complete.
- *Canceled:* Indicates that the settlement is canceled (or voided) by a user. You generally see this status displayed for files with a clerical error, such as an incorrectly entered amount. When you cancel files, the system resets the file's payments back to their original *Loaded* state on the Dispatch Payments page, where they can again be selected and dispatched.
- *Error:* Indicates that the payment dispatch process failed. A red square also appears next to the file name. You can either cancel the payment file or re-create it.
- *In Process:* Indicates that the system is still transforming the file.
- *Received:* Indicates that the payment file was received by bank.
- *Sent:* Indicates that the payment file was sent to bank.

Payment File Contents

Click this link (located in the Payment File ID column) to access the Payment File Data page, and review all payments that are included in this payment file.

Recreate File

This conditional field appears only if the payment has an error status. Use the functionality that is described in "Setting Up Electronic Banking in Financial Gateway" to correct the error. After making the corrections, click the Recreate File icon to re-create the selected payment file.

Cancel File

Click to cancel a selected payment file and reset its payments. This conditional field appears only if the payment has an error status.

View Event Log Click to access the Payment File Events page and view summary event log information.

View File Click to access the Payment File Data page, and view payment file data that is transmitted to the bank. The system encrypts stored payment file data.

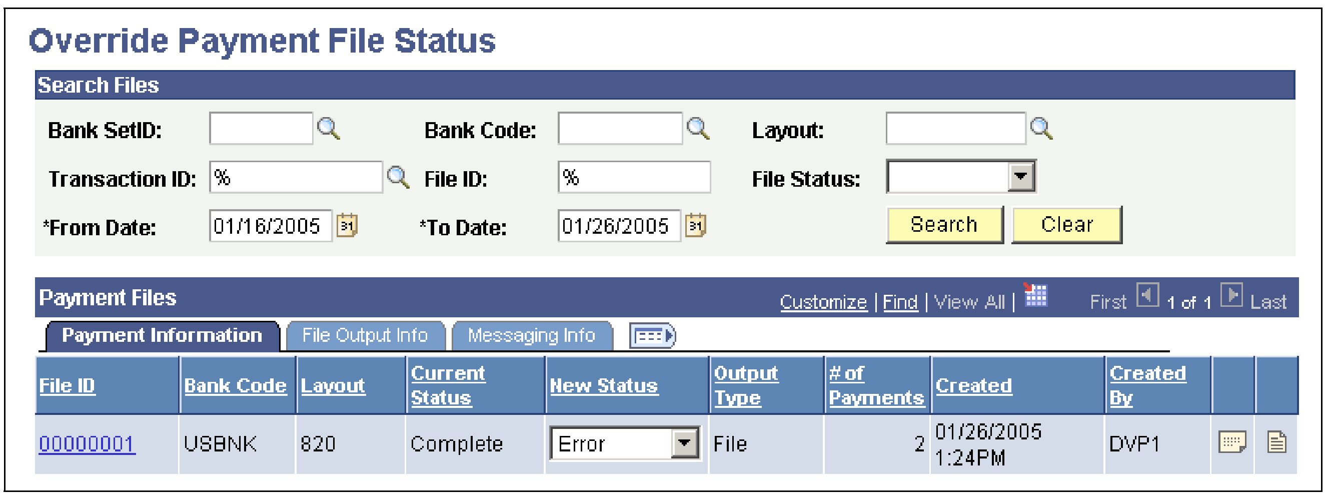
Dispatch Payments Click to access the Dispatch Payments page, and select payments for electronic transmittal to a financial institution.

See Chapter 6, "Working with Payments in Financial Gateway," Dispatching Payments, page 77.

Process Monitor Click to access the Process List page, and review processing results for the Payment Dispatch Application Engine process (PMT_DISPATCH).

Changing Payment File Status

Access the Override Payment File Status page.



Override Payment File Status page

Note. Access to this page and the ability to change the payment file status is limited to users who are assigned to the administrator role.

The options for changing the status of a payment file are limited and depend on the current status of the payment file. This table lists the options that are available for each payment file status.

Current Status	Available Options
Canceled	No change allowed.
Complete	Error
Complete with Errors	Complete Error
Error	Complete

Current Status	Available Options
Dispatched to Bank	Complete Error
In Process	No change allowed.
Received by Bank	Complete Error

Importing Bank Acknowledgments

This section discusses how to:

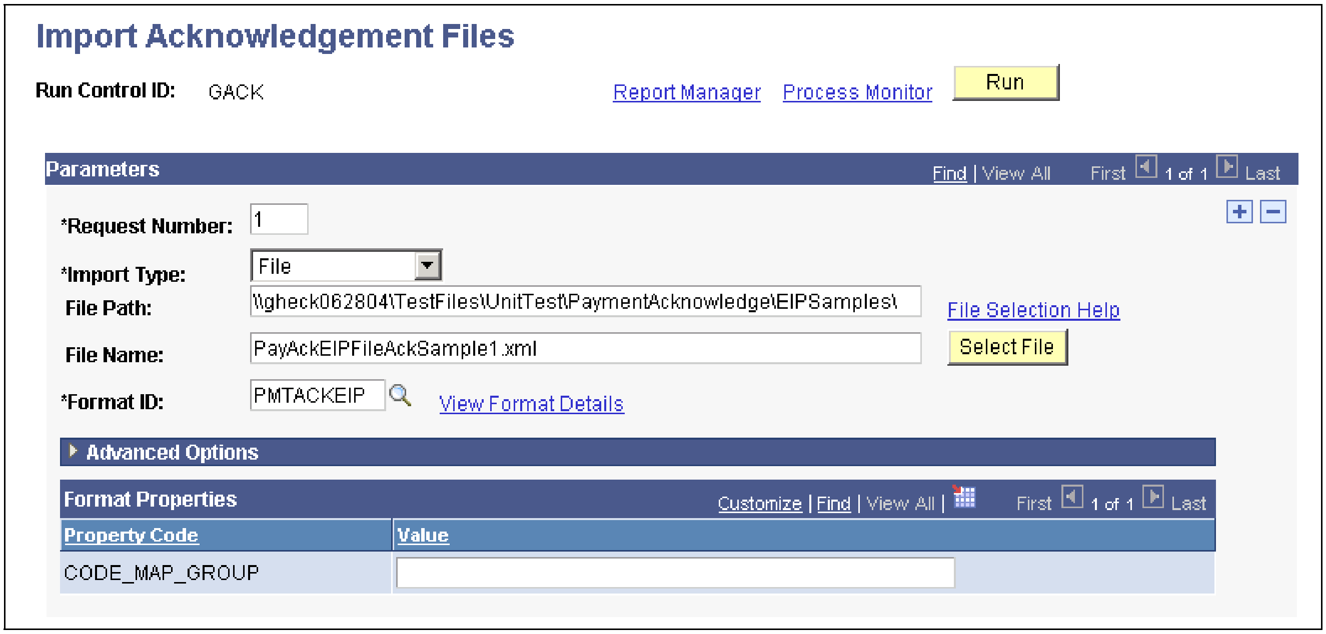
- Import payment acknowledgement files.
- View payment acknowledgement files.

Pages Used to Import Bank Acknowledgments

Page Name	Object Name	Navigation	Usage
Import Acknowledgment Files	BSP_IMPORT	Financial Gateway, Process Payments, Import Acknowledgment Files	Import bank payment acknowledgments (or payment error messages) into the application tables.
Acknowledgment Files	PMT_FILE_ACK_DEFN	Financial Gateway, Review Payments, Acknowledgment Files	View a listing of imported payment acknowledgement files.
Acknowledgment File Contents	PMT_FILE_ACK_DTL	Click the File ID link for a specific file.	View the details of a specific payment acknowledgment file.

Importing Payment Acknowledgment Files

Access the Import Acknowledgment Files page.



Import Acknowledgment Files page

Parameters

Import Type

Select a method for importing the acknowledgment files. The options are:

- *File:* Select if you are importing a file, and complete the File Path and File Name fields.
- *FTP:* Select if you are importing the file by using file transfer protocol, and enter a bank node through which to transfer the data.

Bank Node

Enter the node that will be used to relay the payment-acknowledgment files from the bank to your system. This field appears only if FTP is selected as the import type.

View Bank Node Details

Click to access the Bank Node Details page and review property details of the selected node. This field appears only if FTP is selected as the import type.

File Path

Enter the complete file path location. To select files using the Select File button, the file path must have a trailing backslash (\).

You can also search for files of a specific type by entering an asterisk and the extension suffix. For example, to search all files with an .XXX suffix, enter:

```
\*.xxx
```

Note. Be sure that the application server and the Process Scheduler have access to the directory where the file(s) are stored.

File Selection Help

Click to view help information about specifying file paths and file names.

File Name

Select the specific file to import. If you want to import multiple files based on extension, leave this field blank.

Layout ID

Select an acknowledgment file layout.

View Layout Details

Click to access the Layout Catalog page to view details of the acknowledgment file layout.

Advanced Options

Encryption Profile

Select an encryption profile to decrypt payment acknowledgments. Encryption profiles contain both encryption and decryption information.

Use Integration Broker

Select to format the files and publish the formatted document to PeopleSoft Integration Broker. Integration Broker then processes the formatted file accordingly.

You select this option if you want to use the payment acknowledgment information to trigger Integration Broker to perform other processes or integrate with other systems.

Post Process File Action

Select what action, if any, is to be performed on the payment acknowledgment files after the data has been processed. The options are:

- *Copy:* Copy the file to the directory that is entered in the Post Precess File Directory field.
- *Delete:* Delete the file after the data in it is processed.
- *Move:* Move the file to the directory that is entered in the Post Precess File Directory field.
- *None:* Take no action.

Post Process File Directory

Enter a file path to the directory to which the file will be moved or copied if either option is selected as the post process file action.

Layout Properties

Value

Property codes and values appear by default from values that are defined on the selected layout ID.

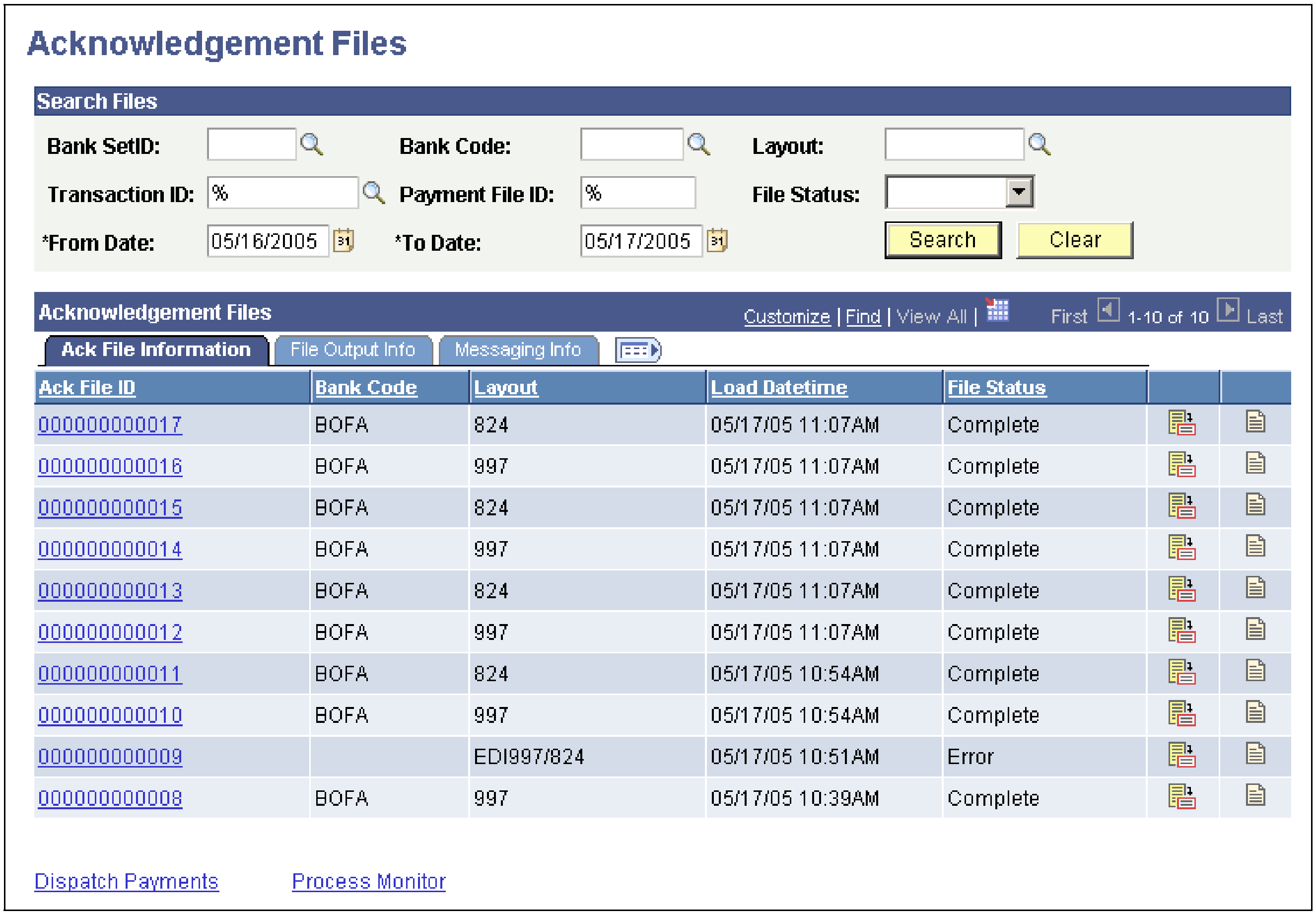
If you configure unique code mappings for a layout (on the Code Mappings page) you need to modify the displayed CODE_MAP_GROUP value with the appropriate unique map value.

See Chapter 3, "Setting Up Electronic Banking Using Financial Gateway," Defining Code Mappings for Bank Statements, Payments, and Payment Acknowledgments, page 29.

Note. If you are importing multiple files for a single run control ID, you must add requests (by using the Add button) for each file that is being requested. Do not enter a file name; run the import process, and then edit the file name and run the import process again. Doing this can result in duplicate acknowledgment loading errors.

Viewing Payment Acknowledgment Files

Access the Acknowledgment Files page.



Acknowledgement Files

Search Files

Bank SetID: Bank Code: Layout:

Transaction ID: % Payment File ID: % File Status:

*From Date: 05/16/2005 *To Date: 05/17/2005 Search Clear

Acknowledgement Files Customize | Find | View All | First 1-10 of 10 Last

Ack File Information | File Output Info | Messaging Info

Ack File ID	Bank Code	Layout	Load Datetime	File Status		
000000000017	BOFA	824	05/17/05 11:07AM	Complete		
000000000016	BOFA	997	05/17/05 11:07AM	Complete		
000000000015	BOFA	824	05/17/05 11:07AM	Complete		
000000000014	BOFA	997	05/17/05 11:07AM	Complete		
000000000013	BOFA	824	05/17/05 11:07AM	Complete		
000000000012	BOFA	997	05/17/05 11:07AM	Complete		
000000000011	BOFA	824	05/17/05 10:54AM	Complete		
000000000010	BOFA	997	05/17/05 10:54AM	Complete		
000000000009		EDI997/824	05/17/05 10:51AM	Error		
000000000008	BOFA	997	05/17/05 10:39AM	Complete		

Dispatch Payments Process Monitor

Acknowledgement Files page

Enter the search parameters and click Search.

File ID Click to view the contents of the payment acknowledgment file.

File Status Options are:

- *Complete:* Indicates that the Bank Acknowledgment Import process is complete.
- *Error:* Indicates that the Bank Acknowledgment Import process failed. A red square also appears next to the file name. You can either cancel the payment file or re-create it.

View Event Log Click to access the Payment File Events page, and view summary event log information.

View File Click to access the Payment File Data page, and view payment file data that is transmitted from the bank. The system encrypts stored payment-acknowledgment files.

Dispatch Payments Click to access the Payment Dispatch page to search for, and dispatch, payments.

Appendix A

Financial Gateway Reports

This appendix provides an overview of Financial Gateway reports and enables you to view a summary table of all reports.

Note. For samples of these reports, see the PDF files that are published on CD-ROM with your documentation.

See Also

Enterprise PeopleTools 8.46 PeopleBook: PeopleSoft Process Scheduler

Financial Gateway Reports: A to Z

This table lists all of the reports provided with Financial Gateway, sorted alphanumerically by report ID. If you need more information about a report, click the link to navigate to information about the process where the report is used.

Report ID and Report Name	Description	Navigation	Run Control Page
FG1000 Payment Activity	View a list of payments in the system based on user-specified criteria. (Crystal)	Financial Gateway, Reports, Payment Activity	RUN_FG1000
FG1001 Payment Exceptions	View all payments that have been sent to the bank and are in error. (Crystal)	Financial Gateway, Reports, Payment Exceptions	RUN_FG1001
FG1002 Stale Payments	View a list of payments that have been sent to the bank but remain unpaid after a specified number of days. (Crystal)	Financial Gateway, Reports, Stale Payments	RUN_FG1002
FG1003 Payment Method Summary	View a list of payments in the system categorized by payment method. This report also provides the total number of payments per payment method. (Crystal)	Financial Gateway, Reports, Payment Method Summary	RUN_FG1003
FG1004 High Value Payments	View a list of all payments that are greater than or equal to a specified amount. (Crystal)	Financial Gateway, Reports, High Value Payments	RUN_FG1004

Glossary of PeopleSoft Terms

absence entitlement This element defines rules for granting paid time off for valid absences, such as sick time, vacation, and maternity leave. An absence entitlement element defines the entitlement amount, frequency, and entitlement period.

absence take This element defines the conditions that must be met before a payee is entitled to take paid time off.

academic career In PeopleSoft Enterprise Campus Solutions, all course work that a student undertakes at an academic institution and that is grouped in a single student record. For example, a university that has an undergraduate school, a graduate school, and various professional schools might define several academic careers—an undergraduate career, a graduate career, and separate careers for each professional school (law school, medical school, dental school, and so on).

academic institution In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.

academic organization In PeopleSoft Enterprise Campus Solutions, an entity that is part of the administrative structure within an academic institution. At the lowest level, an academic organization might be an academic department. At the highest level, an academic organization can represent a division.

academic plan In PeopleSoft Enterprise Campus Solutions, an area of study—such as a major, minor, or specialization—that exists within an academic program or academic career.

academic program In PeopleSoft Enterprise Campus Solutions, the entity to which a student applies and is admitted and from which the student graduates.

accounting class In PeopleSoft Enterprise Performance Management, the accounting class defines how a resource is treated for generally accepted accounting practices. The Inventory class indicates whether a resource becomes part of a balance sheet account, such as inventory or fixed assets, while the Non-inventory class indicates that the resource is treated as an expense of the period during which it occurs.

accounting date The accounting date indicates when a transaction is recognized, as opposed to the date the transaction actually occurred. The accounting date and transaction date can be the same. The accounting date determines the period in the general ledger to which the transaction is to be posted. You can only select an accounting date that falls within an open period in the ledger to which you are posting. The accounting date for an item is normally the invoice date.

accounting split The accounting split method indicates how expenses are allocated or divided among one or more sets of accounting ChartFields.

accumulator You use an accumulator to store cumulative values of defined items as they are processed. You can accumulate a single value over time or multiple values over time. For example, an accumulator could consist of all voluntary deductions, or all company deductions, enabling you to accumulate amounts. It allows total flexibility for time periods and values accumulated.

action reason The reason an employee's job or employment information is updated. The action reason is entered in two parts: a personnel action, such as a promotion, termination, or change from one pay group to another—and a reason for that action. Action reasons are used by PeopleSoft Human Resources, PeopleSoft Benefits Administration, PeopleSoft Stock Administration, and the COBRA Administration feature of the Base Benefits business process.

action template

In PeopleSoft Receivables, outlines a set of escalating actions that the system or user performs based on the period of time that a customer or item has been in an action plan for a specific condition.

activity

In PeopleSoft Enterprise Learning Management, an instance of a catalog item (sometimes called a class) that is available for enrollment. The activity defines such things as the costs that are associated with the offering, enrollment limits and deadlines, and waitlisting capacities.

In PeopleSoft Enterprise Performance Management, the work of an organization and the aggregation of actions that are used for activity-based costing.

In PeopleSoft Project Costing, the unit of work that provides a further breakdown of projects—usually into specific tasks.

In PeopleSoft Workflow, a specific transaction that you might need to perform in a business process. Because it consists of the steps that are used to perform a transaction, it is also known as a step map.

address usage

In PeopleSoft Enterprise Campus Solutions, a grouping of address types defining the order in which the address types are used. For example, you might define an address usage code to process addresses in the following order: billing address, dormitory address, home address, and then work address.

adjustment calendar

In PeopleSoft Enterprise Campus Solutions, the adjustment calendar controls how a particular charge is adjusted on a student's account when the student drops classes or withdraws from a term. The charge adjustment is based on how much time has elapsed from a predetermined date, and it is determined as a percentage of the original charge amount.

administrative function

In PeopleSoft Enterprise Campus Solutions, a particular functional area that processes checklists, communication, and comments. The administrative function identifies which variable data is added to a person's checklist or communication record when a specific checklist code, communication category, or comment is assigned to the student. This key data enables you to trace that checklist, communication, or comment back to a specific processing event in a functional area.

admit type

In PeopleSoft Enterprise Campus Solutions, a designation used to distinguish first-year applications from transfer applications.

agreement

In PeopleSoft eSettlements, provides a way to group and specify processing options, such as payment terms, pay from a bank, and notifications by a buyer and supplier location combination.

allocation rule

In PeopleSoft Enterprise Incentive Management, an expression within compensation plans that enables the system to assign transactions to nodes and participants. During transaction allocation, the allocation engine traverses the compensation structure from the current node to the root node, checking each node for plans that contain allocation rules.

alternate account

A feature in PeopleSoft General Ledger that enables you to create a statutory chart of accounts and enter statutory account transactions at the detail transaction level, as required for recording and reporting by some national governments.

analysis database

In PeopleSoft Enterprise Campus Solutions, database tables that store large amounts of student information that may not appear in standard report formats. The analysis database tables contain keys for all objects in a report that an application program can use to reference other student-record objects that are not contained in the printed report. For instance, the analysis database contains data on courses that are considered for satisfying a requirement but that are rejected. It also contains information on

	courses captured by global limits. An analysis database is used in PeopleSoft Enterprise Academic Advisement.
Application Messaging	PeopleSoft Application Messaging enables applications within the PeopleSoft Enterprise product family to communicate synchronously or asynchronously with other PeopleSoft and third-party applications. An application message defines the records and fields to be published or subscribed to.
AR specialist	Abbreviation for *receivables specialist.* In PeopleSoft Receivables, an individual in who tracks and resolves deductions and disputed items.
arbitration plan	In PeopleSoft Enterprise Pricer, defines how price rules are to be applied to the base price when the transaction is priced.
assessment rule	In PeopleSoft Receivables, a user-defined rule that the system uses to evaluate the condition of a customer's account or of individual items to determine whether to generate a follow-up action.
asset class	An asset group used for reporting purposes. It can be used in conjunction with the asset category to refine asset classification.
attribute/value pair	In PeopleSoft Directory Interface, relates the data that makes up an entry in the directory information tree.
audience	In PeopleSoft Enterprise Campus Solutions, a segment of the database that relates to an initiative, or a membership organization that is based on constituent attributes rather than a dues-paying structure. Examples of audiences include the Class of '65 and Undergraduate Arts & Sciences.
authentication server	A server that is set up to verify users of the system.
base time period	In PeopleSoft Business Planning, the lowest level time period in a calendar.
benchmark job	In PeopleSoft Workforce Analytics, a benchmark job is a job code for which there is corresponding salary survey data from published, third-party sources.
billing career	In PeopleSoft Enterprise Campus Solutions, the one career under which other careers are grouped for billing purposes if a student is active simultaneously in multiple careers.
bio bit or bio brief	In PeopleSoft Enterprise Campus Solutions, a report that summarizes information stored in the system about a particular constituent. You can generate standard or specialized reports.
book	In PeopleSoft Asset Management, used for storing financial and tax information, such as costs, depreciation attributes, and retirement information on assets.
branch	A tree node that rolls up to nodes above it in the hierarchy, as defined in PeopleSoft Tree Manager.
budgetary account only	An account used by the system only and not by users; this type of account does not accept transactions. You can only budget with this account. Formerly called "system-maintained account."
budget check	In commitment control, the processing of source transactions against control budget ledgers, to see if they pass, fail, or pass with a warning.
budget control	In commitment control, budget control ensures that commitments and expenditures don't exceed budgets. It enables you to track transactions against corresponding budgets and terminate a document's cycle if the defined budget conditions are not met. For example, you can prevent a purchase order from being dispatched to a vendor if there are insufficient funds in the related budget to support it.

budget period The interval of time (such as 12 months or 4 quarters) into which a period is divided for budgetary and reporting purposes. The ChartField allows maximum flexibility to define operational accounting time periods without restriction to only one calendar.

business activity The name of a subset of a detailed business process. This might be a specific transaction, task, or action that you perform in a business process.

business event In PeopleSoft Receivables, defines the processing characteristics for the Receivable Update process for a draft activity.

In PeopleSoft Sales Incentive Management, an original business transaction or activity that may justify the creation of a PeopleSoft Enterprise Incentive Management event (a sale, for example).

business process A standard set of 17 business processes are defined and maintained by the PeopleSoft product families and are supported by Business Process Engineering group at PeopleSoft. An example of a business process is Order Fulfillment, which is a business process that manages sales orders and contracts, inventory, billing, and so forth.

See also *detailed business process.*

business task The name of the specific function depicted in one of the business processes.

business unit A corporation or a subset of a corporation that is independent with regard to one or more operational or accounting functions.

buyer In PeopleSoft eSettlements, an organization (or business unit, as opposed to an individual) that transacts with suppliers (vendors) within the system. A buyer creates payments for purchases that are made in the system.

campus In PeopleSoft Enterprise Campus Solutions, an entity that is usually associated with a distinct physical administrative unit, that belongs to a single academic institution, that uses a unique course catalog, and that produces a common transcript for students within the same academic career.

catalog item In PeopleSoft Enterprise Learning Management, a specific topic that a learner can study and have tracked. For example, "Introduction to Microsoft Word." A catalog item contains general information about the topic and includes a course code, description, categorization, keywords, and delivery methods. A catalog item can have one or more learning activities.

catalog map In PeopleSoft Catalog Management, translates values from the catalog source data to the format of the company's catalog.

catalog partner In PeopleSoft Catalog Management, shares responsibility with the enterprise catalog manager for maintaining catalog content.

categorization Associates partner offerings with catalog offerings and groups them into enterprise catalog categories.

category In PeopleSoft Enterprise Campus Solutions, a broad grouping to which specific comments or communications (contexts) are assigned. Category codes are also linked to 3C access groups so that you can assign data-entry or view-only privileges across functions.

channel In PeopleSoft MultiChannel Framework, email, chat, voice (computer telephone integration [CTI]), or a generic event.

ChartField A field that stores a chart of accounts, resources, and so on, depending on the PeopleSoft application. ChartField values represent individual account numbers, department codes, and so forth.

ChartField balancing You can require specific ChartFields to match up (balance) on the debit and the credit side of a transaction.

ChartField combination edit The process of editing journal lines for valid ChartField combinations based on user-defined rules.

ChartKey One or more fields that uniquely identify each row in a table. Some tables contain only one field as the key, while others require a combination.

checkbook In PeopleSoft Promotions Management, enables you to view financial data (such as planned, incurred, and actual amounts) that is related to funds and trade promotions.

checklist code In PeopleSoft Enterprise Campus Solutions, a code that represents a list of planned or completed action items that can be assigned to a staff member, volunteer, or unit. Checklists enable you to view all action assignments on one page.

class In PeopleSoft Enterprise Campus Solutions, a specific offering of a course component within an academic term.

See also *course.*

Class ChartField A ChartField value that identifies a unique appropriation budget key when you combine it with a fund, department ID, and program code, as well as a budget period. Formerly called *sub-classification.*

clearance In PeopleSoft Enterprise Campus Solutions, the period of time during which a constituent in PeopleSoft Contributor Relations is approved for involvement in an initiative or an action. Clearances are used to prevent development officers from making multiple requests to a constituent during the same time period.

clone In PeopleCode, to make a unique copy. In contrast, to *copy* may mean making a new reference to an object, so if the underlying object is changed, both the copy and the original change.

cohort In PeopleSoft Enterprise Campus Solutions, the highest level of the three-level classification structure that you define for enrollment management. You can define a cohort level, link it to other levels, and set enrollment target numbers for it.

See also *population* and *division*.

collection To make a set of documents available for searching in Verity, you must first create at least one collection. A collection is set of directories and files that allow search application users to use the Verity search engine to quickly find and display source documents that match search criteria. A collection is a set of statistics and pointers to the source documents, stored in a proprietary format on a file server. Because a collection can only store information for a single location, PeopleSoft maintains a set of collections (one per language code) for each search index object.

collection rule In PeopleSoft Receivables, a user-defined rule that defines actions to take for a customer based on both the amount and the number of days past due for outstanding balances.

comm key See *communication key.*

communication key In PeopleSoft Enterprise Campus Solutions, a single code for entering a combination of communication category, communication context, communication method, communication direction, and standard letter code. Communication keys (also called *comm keys* or *speed keys*) can be created for background processes as well as for specific users.

compensation object In PeopleSoft Enterprise Incentive Management, a node within a compensation structure. Compensation objects are the building blocks that make up a compensation structure's hierarchical representation.

compensation structure In PeopleSoft Enterprise Incentive Management, a hierarchical relationship of compensation objects that represents the compensation-related relationship between the objects.

component interface A component interface is a set of application programming interfaces (APIs) that you can use to access and modify PeopleSoft database information using a program instead of the PeopleSoft client.

condition In PeopleSoft Receivables, occurs when there is a change of status for a customer's account, such as reaching a credit limit or exceeding a user-defined balance due.

configuration parameter catalog Used to configure an external system with PeopleSoft. For example, a configuration parameter catalog might set up configuration and communication parameters for an external server.

configuration plan In PeopleSoft Enterprise Incentive Management, configuration plans hold allocation information for common variables (not incentive rules) and are attached to a node without a participant. Configuration plans are not processed by transactions.

constituents In PeopleSoft Enterprise Campus Solutions, friends, alumni, organizations, foundations, or other entities affiliated with the institution, and about which the institution maintains information. The constituent types delivered with PeopleSoft Enterprise Contributor Relations Solutions are based on those defined by the Council for the Advancement and Support of Education (CASE).

content reference Content references are pointers to content registered in the portal registry. These are typically either URLs or iScripts. Content references fall into three categories: target content, templates, and template pagelets.

context In PeopleCode, determines which buffer fields can be contextually referenced and which is the current row of data on each scroll level when a PeopleCode program is running.

In PeopleSoft Enterprise Campus Solutions, a specific instance of a comment or communication. One or more contexts are assigned to a category, which you link to 3C access groups so that you can assign data-entry or view-only privileges across functions.

In PeopleSoft Enterprise Incentive Management, a mechanism that is used to determine the scope of a processing run. PeopleSoft Enterprise Incentive Management uses three types of context: plan, period, and run-level.

control table Stores information that controls the processing of an application. This type of processing might be consistent throughout an organization, or it might be used only by portions of the organization for more limited sharing of data.

cost-plus contract line A rate-based contract line associated with a fee component of Award, Fixed, Incentive, or Other. Rate-based contract lines associated with a fee type of None are not considered cost-plus contract lines.

cost profile A combination of a receipt cost method, a cost flow, and a deplete cost method. A profile is associated with a cost book and determines how items in that book are valued, as well as how the material movement of the item is valued for the book.

cost row A cost transaction and amount for a set of ChartFields.

course In PeopleSoft Enterprise Campus Solutions, a course that is offered by a school and that is typically described in a course catalog. A course has a standard syllabus and credit level; however, these may be modified at the class level. Courses can contain multiple components such as lecture, discussion, and lab.

See also *class*.

course share set In PeopleSoft Enterprise Campus Solutions, a tag that defines a set of requirement groups that can share courses. Course share sets are used in PeopleSoft Enterprise Academic Advisement.

current learning In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's in-progress learning activities and programs.

data acquisition In PeopleSoft Enterprise Incentive Management, the process during which raw business transactions are acquired from external source systems and fed into the operational data store (ODS).

data cube In PeopleSoft Analytic Calculation Engine, a data cube is a container for one kind of data (such as Sales data) and works with in tandem with one or more dimensions. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and online analytical processing (OLAP) cubes in PeopleSoft Cube Manager.

data elements Data elements, at their simplest level, define a subset of data and the rules by which to group them.

For Workforce Analytics, data elements are rules that tell the system what measures to retrieve about your workforce groups.

dataset A data grouping that enables role-based filtering and distribution of data. You can limit the range and quantity of data that is displayed for a user by associating dataset rules with user roles. The result of dataset rules is a set of data that is appropriate for the user's roles.

delivery method In PeopleSoft Enterprise Learning Management, identifies the primary type of delivery method in which a particular learning activity is offered. Also provides default values for the learning activity, such as cost and language. This is primarily used to help learners search the catalog for the type of delivery from which they learn best. Because PeopleSoft Enterprise Learning Management is a blended learning system, it does not enforce the delivery method.

In PeopleSoft Supply Chain Management, identifies the method by which goods are shipped to their destinations (such as truck, air, rail, and so on). The delivery method is specified when creating shipment schedules.

delivery method type In PeopleSoft Enterprise Learning Management, identifies how learning activities can be delivered—for example, through online learning, classroom instruction, seminars, books, and so forth—in an organization. The type determines whether the delivery method includes scheduled components.

detailed business process A subset of the business process. For example, the detailed business process named Determine Cash Position is a subset of the business process called Cash Management.

dimension In PeopleSoft Analytic Calculation Engine, a dimension contains a list of one kind of data that can span various contexts, and it is a basic component of an analytic model. Within the analytic model, a dimension is attached to one or more data cubes. In PeopleSoft Cube Manager, a dimension is the most basic component of an OLAP cube and specifies the PeopleSoft metadata to be used to create the dimension's rollup structure. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and OLAP cubes in PeopleSoft Cube Manager.

directory information tree In PeopleSoft Directory Interface, the representation of a directory's hierarchical structure.

division In PeopleSoft Enterprise Campus Solutions, the lowest level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and Admissions for enrollment management. You can define a division level, link it to other levels, and set enrollment target numbers for it.

See also *population* and *cohort*.

document sequencing A flexible method that sequentially numbers the financial transactions (for example, bills, purchase orders, invoices, and payments) in the system for statutory reporting and for tracking commercial transaction activity.

dynamic detail tree A tree that takes its detail values—dynamic details—directly from a table in the database, rather than from a range of values that are entered by the user.

edit table A table in the database that has its own record definition, such as the Department table. As fields are entered into a PeopleSoft application, they can be validated against an edit table to ensure data integrity throughout the system.

effective date A method of dating information in PeopleSoft applications. You can predate information to add historical data to your system, or postdate information in order to enter it before it actually goes into effect. By using effective dates, you don't delete values; you enter a new value with a current effective date.

EIM ledger Abbreviation for *Enterprise Incentive Management ledger.* In PeopleSoft Enterprise Incentive Management, an object to handle incremental result gathering within the scope of a participant. The ledger captures a result set with all of the appropriate traces to the data origin and to the processing steps of which it is a result.

elimination set In PeopleSoft General Ledger, a related group of intercompany accounts that is processed during consolidations.

entry event In PeopleSoft General Ledger, Receivables, Payables, Purchasing, and Billing, a business process that generates multiple debits and credits resulting from single transactions to produce standard, supplemental accounting entries.

equitization In PeopleSoft General Ledger, a business process that enables parent companies to calculate the net income of subsidiaries on a monthly basis and adjust that amount to increase the investment amount and equity income amount before performing consolidations.

equity item limit In PeopleSoft Enterprise Campus Solutions, the amounts of funds set by the institution to be awarded with discretionary or gift funds. The limit could be reduced by amounts equal to such things as expected family contribution (EFC) or parent contribution. Students are packaged by Equity Item Type Groups and Related Equity Item Types. This limit can be used to assure that similar student populations are packaged equally.

event A predefined point either in the Component Processor flow or in the program flow. As each point is encountered, the event activates each component, triggering any PeopleCode program that is associated with that component and that event. Examples of events are FieldChange, SavePreChange, and RowDelete.

In PeopleSoft Human Resources, also refers to an incident that affects benefits eligibility.

event propagation process In PeopleSoft Sales Incentive Management, a process that determines, through logic, the propagation of an original PeopleSoft Enterprise Incentive Management event and creates a derivative (duplicate) of the original event to be processed by other objects. Sales Incentive Management uses this mechanism to implement splits, roll-ups, and so on. Event propagation determines who receives the credit.

exception In PeopleSoft Receivables, an item that either is a deduction or is in dispute.

exclusive pricing In PeopleSoft Order Management, a type of arbitration plan that is associated with a price rule. Exclusive pricing is used to price sales order transactions.

fact In PeopleSoft applications, facts are numeric data values from fields from a source database as well as an analytic application. A fact can be anything you want to measure your business by, for example, revenue, actual, budget data, or sales numbers. A fact is stored on a fact table.

financial aid term
In PeopleSoft Enterprise Campus Solutions, a combination of a period of time that the school determines as an instructional accounting period and an academic career. It is created and defined during the setup process. Only terms eligible for financial aid are set up for each financial aid career.

forecast item
A logical entity with a unique set of descriptive demand and forecast data that is used as the basis to forecast demand. You create forecast items for a wide range of uses, but they ultimately represent things that you buy, sell, or use in your organization and for which you require a predictable usage.

fund
In PeopleSoft Promotions Management, a budget that can be used to fund promotional activity. There are four funding methods: top down, fixed accrual, rolling accrual, and zero-based accrual.

gap
In PeopleSoft Enterprise Campus Solutions, an artificial figure that sets aside an amount of unmet financial aid need that is not funded with Title IV funds. A gap can be used to prevent fully funding any student to conserve funds, or it can be used to preserve unmet financial aid need so that institutional funds can be awarded.

generic process type
In PeopleSoft Process Scheduler, process types are identified by a generic process type. For example, the generic process type SQR includes all SQR process types, such as SQR process and SQR report.

gift table
In PeopleSoft Enterprise Campus Solutions, a table or so-called *donor pyramid* describing the number and size of gifts that you expect will be needed to successfully complete the campaign in PeopleSoft Contributor Relations. The gift table enables you to estimate the number of donors and prospects that you need at each gift level to reach the campaign goal.

GL business unit
Abbreviation for *general ledger business unit.* A unit in an organization that is an independent entity for accounting purposes. It maintains its own set of accounting books.

See also *business unit*.

GL entry template
Abbreviation for *general ledger entry template.* In PeopleSoft Enterprise Campus Solutions, a template that defines how a particular item is sent to the general ledger. An item-type maps to the general ledger, and the GL entry template can involve multiple general ledger accounts. The entry to the general ledger is further controlled by high-level flags that control the summarization and the type of accounting—that is, accrual or cash.

GL Interface process
Abbreviation for *General Ledger Interface process.* In PeopleSoft Enterprise Campus Solutions, a process that is used to send transactions from PeopleSoft Enterprise Student Financials to the general ledger. Item types are mapped to specific general ledger accounts, enabling transactions to move to the general ledger when the GL Interface process is run.

group
In PeopleSoft Billing and Receivables, a posting entity that comprises one or more transactions (items, deposits, payments, transfers, matches, or write-offs).

In PeopleSoft Human Resources Management and Supply Chain Management, any set of records that are associated under a single name or variable to run calculations in PeopleSoft business processes. In PeopleSoft Time and Labor, for example, employees are placed in groups for time reporting purposes.

incentive object
In PeopleSoft Enterprise Incentive Management, the incentive-related objects that define and support the PeopleSoft Enterprise Incentive Management calculation

	process and results, such as plan templates, plans, results data, user interaction objects, and so on.
incentive rule	In PeopleSoft Sales Incentive Management, the commands that act on transactions and turn them into compensation. A rule is one part in the process of turning a transaction into compensation.
incur	In PeopleSoft Promotions Management, to become liable for a promotional payment. In other words, you owe that amount to a customer for promotional activities.
initiative	In PeopleSoft Enterprise Campus Solutions, the basis from which all advancement plans are executed. It is an organized effort targeting a specific constituency, and it can occur over a specified period of time with specific purposes and goals. An initiative can be a campaign, an event, an organized volunteer effort, a membership drive, or any other type of effort defined by the institution. Initiatives can be multipart, and they can be related to other initiatives. This enables you to track individual parts of an initiative, as well as entire initiatives.
inquiry access	In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user only to view data. See also *update access.*
institution	In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.
integration	A relationship between two compatible integration points that enables communication to take place between systems. Integrations enable PeopleSoft applications to work seamlessly with other PeopleSoft applications or with third-party systems or software.
integration point	An interface that a system uses to communicate with another PeopleSoft application or an external application.
integration set	A logical grouping of integrations that applications use for the same business purpose. For example, the integration set ADVANCED_SHIPPING_ORDER contains all of the integrations that notify a customer that an order has shipped.
item	In PeopleSoft Inventory, a tangible commodity that is stored in a business unit (shipped from a warehouse). In PeopleSoft Demand Planning, Inventory Policy Planning, and Supply Planning, a noninventory item that is designated as being used for planning purposes only. It can represent a family or group of inventory items. It can have a planning bill of material (BOM) or planning routing, and it can exist as a component on a planning BOM. A planning item cannot be specified on a production or engineering BOM or routing, and it cannot be used as a component in a production. The quantity on hand will never be maintained. In PeopleSoft Receivables, an individual receivable. An item can be an invoice, a credit memo, a debit memo, a write-off, or an adjustment.
item shuffle	In PeopleSoft Enterprise Campus Solutions, a process that enables you to change a payment allocation without having to reverse the payment.
joint communication	In PeopleSoft Enterprise Campus Solutions, one letter that is addressed jointly to two people. For example, a letter might be addressed to both Mr. Sudhir Awat and Ms. Samantha Mortelli. A relationship must be established between the two individuals in the database, and at least one of the individuals must have an ID in the database.
keyword	In PeopleSoft Enterprise Campus Solutions, a term that you link to particular elements within PeopleSoft Student Financials, Financial Aid, and Contributor Relations.

	You can use keywords as search criteria that enable you to locate specific records in a search dialog box.
KPI	An abbreviation for *key performance indicator.* A high-level measurement of how well an organization is doing in achieving critical success factors. This defines the data value or calculation upon which an assessment is determined.
LDIF file	Abbreviation for *Lightweight Directory Access Protocol (LDAP) Data Interchange Format file.* Contains discrepancies between PeopleSoft data and directory data.
learner group	In PeopleSoft Enterprise Learning Management, a group of learners who are linked to the same learning environment. Members of the learner group can share the same attributes, such as the same department or job code. Learner groups are used to control access to and enrollment in learning activities and programs. They are also used to perform group enrollments and mass enrollments in the back office.
learning components	In PeopleSoft Enterprise Learning Management, the foundational building blocks of learning activities. PeopleSoft Enterprise Learning Management supports six basic types of learning components: web-based, session, webcast, test, survey, and assignment. One or more of these learning component types compose a single learning activity.
learning environment	In PeopleSoft Enterprise Learning Management, identifies a set of categories and catalog items that can be made available to learner groups. Also defines the default values that are assigned to the learning activities and programs that are created within a particular learning environment. Learning environments provide a way to partition the catalog so that learners see only those items that are relevant to them.
learning history	In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's completed learning activities and programs.
ledger mapping	You use ledger mapping to relate expense data from general ledger accounts to resource objects. Multiple ledger line items can be mapped to one or more resource IDs. You can also use ledger mapping to map dollar amounts (referred to as *rates*) to business units. You can map the amounts in two different ways: an actual amount that represents actual costs of the accounting period, or a budgeted amount that can be used to calculate the capacity rates as well as budgeted model results. In PeopleSoft Enterprise Warehouse, you can map general ledger accounts to the EW Ledger table.
library section	In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan (or template) and that is available for other plans to share. Changes to a library section are reflected in all plans that use it.
linked section	In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan template but appears in a plan. Changes to linked sections propagate to plans using that section.
linked variable	In PeopleSoft Enterprise Incentive Management, a variable that is defined and maintained in a plan template and that also appears in a plan. Changes to linked variables propagate to plans using that variable.
LMS	Abbreviation for *learning management system.* In PeopleSoft Enterprise Campus Solutions, LMS is a PeopleSoft Student Records feature that provides a common set of interoperability standards that enable the sharing of instructional content and data between learning and administrative environments.
load	In PeopleSoft Inventory, identifies a group of goods that are shipped together. Load management is a feature of PeopleSoft Inventory that is used to track the weight, the volume, and the destination of a shipment.

local functionality In PeopleSoft HRMS, the set of information that is available for a specific country. You can access this information when you click the appropriate country flag in the global window, or when you access it by a local country menu.

location Locations enable you to indicate the different types of addresses—for a company, for example, one address to receive bills, another for shipping, a third for postal deliveries, and a separate street address. Each address has a different location number. The primary location—indicated by a *1*—is the address you use most often and may be different from the main address.

logistical task In PeopleSoft Services Procurement, an administrative task that is related to hiring a service provider. Logistical tasks are linked to the service type on the work order so that different types of services can have different logistical tasks. Logistical tasks include both preapproval tasks (such as assigning a new badge or ordering a new laptop) and postapproval tasks (such as scheduling orientation or setting up the service provider email). The logistical tasks can be mandatory or optional. Mandatory preapproval tasks must be completed before the work order is approved. Mandatory postapproval tasks, on the other hand, must be completed before a work order is released to a service provider.

market template In PeopleSoft Enterprise Incentive Management, additional functionality that is specific to a given market or industry and is built on top of a product category.

mass change In PeopleSoft Enterprise Campus Solutions, mass change is a SQL generator that can be used to create specialized functionality. Using mass change, you can set up a series of Insert, Update, or Delete SQL statements to perform business functions that are specific to the institution.

See also *3C engine*.

match group In PeopleSoft Receivables, a group of receivables items and matching offset items. The system creates match groups by using user-defined matching criteria for selected field values.

MCF server Abbreviation for *PeopleSoft MultiChannel Framework server.* Comprises the universal queue server and the MCF log server. Both processes are started when *MCF Servers* is selected in an application server domain configuration.

merchandising activity In PeopleSoft Promotions Management, a specific discount type that is associated with a trade promotion (such as off-invoice, billback or rebate, or lump-sum payment) that defines the performance that is required to receive the discount. In the industry, you may know this as an offer, a discount, a merchandising event, an event, or a tactic.

meta-SQL Meta-SQL constructs expand into platform-specific Structured Query Language (SQL) substrings. They are used in functions that pass SQL strings, such as in SQL objects, the SQLExec function, and PeopleSoft Application Engine programs.

metastring Metastrings are special expressions included in SQL string literals. The metastrings, prefixed with a percent (%) symbol, are included directly in the string literals. They expand at run time into an appropriate substring for the current database platform.

multibook In PeopleSoft General Ledger, multiple ledgers having multiple-base currencies that are defined for a business unit, with the option to post a single transaction to all base currencies (all ledgers) or to only one of those base currencies (ledgers).

multicurrency The ability to process transactions in a currency other than the business unit's base currency.

national allowance In PeopleSoft Promotions Management, a promotion at the corporate level that is funded by nondiscretionary dollars. In the industry, you may know this as a national promotion, a corporate promotion, or a corporate discount.

need	In PeopleSoft Enterprise Campus Solutions, the difference between the cost of attendance (COA) and the expected family contribution (EFC). It is the gap between the cost of attending the school and the student's resources. The financial aid package is based on the amount of financial need. The process of determining a student's need is called *need analysis.*
node-oriented tree	A tree that is based on a detail structure, but the detail values are not used.
pagelet	Each block of content on the home page is called a pagelet. These pagelets display summary information within a small rectangular area on the page. The pagelet provide users with a snapshot of their most relevant PeopleSoft and non-PeopleSoft content.
participant	In PeopleSoft Enterprise Incentive Management, participants are recipients of the incentive compensation calculation process.
participant object	Each participant object may be related to one or more compensation objects. See also *compensation object.*
partner	A company that supplies products or services that are resold or purchased by the enterprise.
pay cycle	In PeopleSoft Payables, a set of rules that define the criteria by which it should select scheduled payments for payment creation.
payment shuffle	In PeopleSoft Enterprise Campus Solutions, a process allowing payments that have been previously posted to a student's account to be automatically reapplied when a higher priority payment is posted or the payment allocation definition is changed.
pending item	In PeopleSoft Receivables, an individual receivable (such as an invoice, a credit memo, or a write-off) that has been entered in or created by the system, but hasn't been posted.
PeopleCode	PeopleCode is a proprietary language, executed by the PeopleSoft component processor. PeopleCode generates results based on existing data or user actions. By using various tools provided with PeopleTools, external services are available to all PeopleSoft applications wherever PeopleCode can be executed.
PeopleCode event	See *event.*
PeopleSoft Pure Internet Architecture	The fundamental architecture on which PeopleSoft 8 applications are constructed, consisting of a relational database management system (RDBMS), an application server, a web server, and a browser.
performance measurement	In PeopleSoft Enterprise Incentive Management, a variable used to store data (similar to an aggregator, but without a predefined formula) within the scope of an incentive plan. Performance measures are associated with a plan calendar, territory, and participant. Performance measurements are used for quota calculation and reporting.
period context	In PeopleSoft Enterprise Incentive Management, because a participant typically uses the same compensation plan for multiple periods, the period context associates a plan context with a specific calendar period and fiscal year. The period context references the associated plan context, thus forming a chain. Each plan context has a corresponding set of period contexts.
person of interest	A person about whom the organization maintains information but who is not part of the workforce.
personal portfolio	In PeopleSoft Enterprise Campus Solutions, the user-accessible menu item that contains an individual's name, address, telephone number, and other personal information.

plan In PeopleSoft Sales Incentive Management, a collection of allocation rules, variables, steps, sections, and incentive rules that instruct the PeopleSoft Enterprise Incentive Management engine in how to process transactions.

plan context In PeopleSoft Enterprise Incentive Management, correlates a participant with the compensation plan and node to which the participant is assigned, enabling the PeopleSoft Enterprise Incentive Management system to find anything that is associated with the node and that is required to perform compensation processing. Each participant, node, and plan combination represents a unique plan context—if three participants are on a compensation structure, each has a different plan context. Configuration plans are identified by plan contexts and are associated with the participants that refer to them.

plan template In PeopleSoft Enterprise Incentive Management, the base from which a plan is created. A plan template contains common sections and variables that are inherited by all plans that are created from the template. A template may contain steps and sections that are not visible in the plan definition.

planned learning In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's planned learning activities and programs.

planning instance In PeopleSoft Supply Planning, a set of data (business units, items, supplies, and demands) constituting the inputs and outputs of a supply plan.

population In PeopleSoft Enterprise Campus Solutions, the middle level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and Admissions for enrollment management. You can define a population level, link it to other levels, and set enrollment target numbers for it.

See also *division* and *cohort*.

portal registry In PeopleSoft applications, the portal registry is a tree-like structure in which content references are organized, classified, and registered. It is a central repository that defines both the structure and content of a portal through a hierarchical, tree-like structure of folders useful for organizing and securing content references.

price list In PeopleSoft Enterprise Pricer, enables you to select products and conditions for which the price list applies to a transaction. During a transaction, the system either determines the product price based on the predefined search hierarchy for the transaction or uses the product's lowest price on any associated, active price lists. This price is used as the basis for any further discounts and surcharges.

price rule In PeopleSoft Enterprise Pricer, defines the conditions that must be met for adjustments to be applied to the base price. Multiple rules can apply when conditions of each rule are met.

price rule condition In PeopleSoft Enterprise Pricer, selects the price-by fields, the values for the price-by fields, and the operator that determines how the price-by fields are related to the transaction.

price rule key In PeopleSoft Enterprise Pricer, defines the fields that are available to define price rule conditions (which are used to match a transaction) on the price rule.

primacy number In PeopleSoft Enterprise Campus Solutions, a number that the system uses to prioritize financial aid applications when students are enrolled in multiple academic careers and academic programs at the same time. The Consolidate Academic Statistics process uses the primacy number indicated for both the career and program at the institutional level to determine a student's primary career and program. The system also uses the number to determine the primary student attribute value that is used when you extract data to report on cohorts. The lowest number takes precedence.

primary name type	In PeopleSoft Enterprise Campus Solutions, the name type that is used to link the name stored at the highest level within the system to the lower-level set of names that an individual provides.
process category	In PeopleSoft Process Scheduler, processes that are grouped for server load balancing and prioritization.
process group	In PeopleSoft Financials, a group of application processes (performed in a defined order) that users can initiate in real time, directly from a transaction entry page.
process definition	Process definitions define each run request.
process instance	A unique number that identifies each process request. This value is automatically incremented and assigned to each requested process when the process is submitted to run.
process job	You can link process definitions into a job request and process each request serially or in parallel. You can also initiate subsequent processes based on the return code from each prior request.
process request	A single run request, such as a Structured Query Report (SQR), a COBOL or Application Engine program, or a Crystal report that you run through PeopleSoft Process Scheduler.
process run control	A PeopleTools variable used to retain PeopleSoft Process Scheduler values needed at runtime for all requests that reference a run control ID. Do not confuse these with application run controls, which may be defined with the same run control ID, but only contain information specific to a given application process request.
product	A PeopleSoft or third-party product. PeopleSoft organizes its software products into product families and product lines. Interactive Services Repository contains information about every release of every product that PeopleSoft sells, as well as products from certified third-party companies. These products are displayed with the product name and release number.
product category	In PeopleSoft Enterprise Incentive Management, indicates an application in the Enterprise Incentive Management suite of products. Each transaction in the PeopleSoft Enterprise Incentive Management system is associated with a product category.
product family	A group of products that are related by common functionality. The family names that can be searched using Interactive Service Repository are PeopleSoft Enterprise, PeopleSoft EnterpriseOne, PeopleSoft World, and third-party, certified PeopleSoft partners.
product line	The name of a PeopleSoft product line or the company name of a third-party certified partner. Integration Services Repository enables you to search for integration points by product line.
programs	In PeopleSoft Enterprise Learning Management, a high-level grouping that guides the learner along a specific learning path through sections of catalog items. PeopleSoft Enterprise Learning Systems provides two types of programs—curricula and certifications.
progress log	In PeopleSoft Services Procurement, tracks deliverable-based projects. This is similar to the time sheet in function and process. The service provider contact uses the progress log to record and submit progress on deliverables. The progress can be logged by the activity that is performed, by the percentage of work that is completed, or by the completion of milestone activities that are defined for the project.
project transaction	In PeopleSoft Project Costing, an individual transaction line that represents a cost, time, budget, or other transaction row.

promotion In PeopleSoft Promotions Management, a trade promotion, which is typically funded from trade dollars and used by consumer products manufacturers to increase sales volume.

prospects In PeopleSoft Enterprise Campus Solutions, students who are interested in applying to the institution.

In PeopleSoft Enterprise Contributor Relations, individuals and organizations that are most likely to make substantial financial commitments or other types of commitments to the institution.

publishing In PeopleSoft Enterprise Incentive Management, a stage in processing that makes incentive-related results available to participants.

rating components In PeopleSoft Enterprise Campus Solutions, variables used with the Equation Editor to retrieve specified populations.

record group A set of logically and functionally related control tables and views. Record groups help enable TableSet sharing, which eliminates redundant data entry. Record groups ensure that TableSet sharing is applied consistently across all related tables and views.

record input VAT flag Abbreviation for *record input value-added tax flag.* Within PeopleSoft Purchasing, Payables, and General Ledger, this flag indicates that you are recording input VAT on the transaction. This flag, in conjunction with the record output VAT flag, is used to determine the accounting entries created for a transaction and to determine how a transaction is reported on the VAT return. For all cases within Purchasing and Payables where VAT information is tracked on a transaction, this flag is set to Yes. This flag is not used in PeopleSoft Order Management, Billing, or Receivables, where it is assumed that you are always recording only output VAT, or in PeopleSoft Expenses, where it is assumed that you are always recording only input VAT.

record output VAT flag Abbreviation for *record output value-added tax flag.*

See *record input VAT flag.*

recname The name of a record that is used to determine the associated field to match a value or set of values.

recognition In PeopleSoft Enterprise Campus Solutions, the recognition type indicates whether the PeopleSoft Enterprise Contributor Relations donor is the primary donor of a commitment or shares the credit for a donation. Primary donors receive hard credit that must total 100 percent. Donors that share the credit are given soft credit. Institutions can also define other share recognition-type values such as memo credit or vehicle credit.

reference data In PeopleSoft Sales Incentive Management, system objects that represent the sales organization, such as territories, participants, products, customers, channels, and so on.

reference object In PeopleSoft Enterprise Incentive Management, this dimension-type object further defines the business. Reference objects can have their own hierarchy (for example, product tree, customer tree, industry tree, and geography tree).

reference transaction In commitment control, a reference transaction is a source transaction that is referenced by a higher-level (and usually later) source transaction, in order to automatically reverse all or part of the referenced transaction's budget-checked amount. This avoids duplicate postings during the sequential entry of the transaction at different commitment levels. For example, the amount of an encumbrance transaction (such as a purchase order) will, when checked and recorded against a budget, cause the system to concurrently reference and relieve all or part of the amount of a corresponding pre-encumbrance transaction, such as a purchase requisition.

regional sourcing In PeopleSoft Purchasing, provides the infrastructure to maintain, display, and select an appropriate vendor and vendor pricing structure that is based on a regional sourcing model where the multiple ship to locations are grouped. Sourcing may occur at a level higher than the ship to location.

relationship object In PeopleSoft Enterprise Incentive Management, these objects further define a compensation structure to resolve transactions by establishing associations between compensation objects and business objects.

remote data source data Data that is extracted from a separate database and migrated into the local database.

REN server Abbreviation for *real-time event notification server* in PeopleSoft MultiChannel Framework.

requester In PeopleSoft eSettlements, an individual who requests goods or services and whose ID appears on the various procurement pages that reference purchase orders.

reversal indicator In PeopleSoft Enterprise Campus Solutions, an indicator that denotes when a particular payment has been reversed, usually because of insufficient funds.

role Describes how people fit into PeopleSoft Workflow. A role is a class of users who perform the same type of work, such as clerks or managers. Your business rules typically specify what user role needs to do an activity.

role user A PeopleSoft Workflow user. A person's role user ID serves much the same purpose as a user ID does in other parts of the system. PeopleSoft Workflow uses role user IDs to determine how to route worklist items to users (through an email address, for example) and to track the roles that users play in the workflow. Role users do not need PeopleSoft user IDs.

roll up In a tree, to roll up is to total sums based on the information hierarchy.

run control A run control is a type of online page that is used to begin a process, such as the batch processing of a payroll run. Run control pages generally start a program that manipulates data.

run control ID A unique ID to associate each user with his or her own run control table entries.

run-level context In PeopleSoft Enterprise Incentive Management, associates a particular run (and batch ID) with a period context and plan context. Every plan context that participates in a run has a separate run-level context. Because a run cannot span periods, only one run-level context is associated with each plan context.

SCP SCBM XML message Abbreviation for *Supply Chain Planning Supply Chain Business Modeler Extensible Markup Language message.* PeopleSoft EnterpriseOne Supply Chain Business Modeler uses XML as the format for all data that it imports and exports.

search query You use this set of objects to pass a query string and operators to the search engine. The search index returns a set of matching results with keys to the source documents.

search/match In PeopleSoft Enterprise Campus Solutions and PeopleSoft Enterprise Human Resources Management Solutions, a feature that enables you to search for and identify duplicate records in the database.

seasonal address In PeopleSoft Enterprise Campus Solutions, an address that recurs for the same length of time at the same time of year each year until adjusted or deleted.

section In PeopleSoft Enterprise Incentive Management, a collection of incentive rules that operate on transactions of a specific type. Sections enable plans to be segmented to process logical events in different sections.

security event In commitment control, security events trigger security authorization checking, such as budget entries, transfers, and adjustments; exception overrides and notifications; and inquiries.

serial genealogy In PeopleSoft Manufacturing, the ability to track the composition of a specific, serial-controlled item.

serial in production In PeopleSoft Manufacturing, enables the tracing of serial information for manufactured items. This is maintained in the Item Master record.

service impact In PeopleSoft Enterprise Campus Solutions, the resulting action triggered by a service indicator. For example, a service indicator that reflects nonpayment of account balances by a student might result in a service impact that prohibits registration for classes.

service indicator In PeopleSoft Enterprise Campus Solutions, indicates services that may be either withheld or provided to an individual. Negative service indicators indicate holds that prevent the individual from receiving specified services, such as check-cashing privileges or registration for classes. Positive service indicators designate special services that are provided to the individual, such as front-of-line service or special services for disabled students.

session In PeopleSoft Enterprise Campus Solutions, time elements that subdivide a term into multiple time periods during which classes are offered. In PeopleSoft Contributor Relations, a session is the means of validating gift, pledge, membership, or adjustment data entry . It controls access to the data entered by a specific user ID. Sessions are balanced, queued, and then posted to the institution’s financial system. Sessions must be posted to enter a matching gift or pledge payment, to make an adjustment, or to process giving clubs or acknowledgements.

In PeopleSoft Enterprise Learning Management, a single meeting day of an activity (that is, the period of time between start and finish times within a day). The session stores the specific date, location, meeting time, and instructor. Sessions are used for scheduled training.

session template In PeopleSoft Enterprise Learning Management, enables you to set up common activity characteristics that may be reused while scheduling a PeopleSoft Enterprise Learning Management activity—characteristics such as days of the week, start and end times, facility and room assignments, instructors, and equipment. A session pattern template can be attached to an activity that is being scheduled. Attaching a template to an activity causes all of the default template information to populate the activity session pattern.

setup relationship In PeopleSoft Enterprise Incentive Management, a relationship object type that associates a configuration plan with any structure node.

share driver expression In PeopleSoft Business Planning, a named planning method similar to a driver expression, but which you can set up globally for shared use within a single planning application or to be shared between multiple planning applications through PeopleSoft Enterprise Warehouse.

single signon With single signon, users can, after being authenticated by a PeopleSoft application server, access a second PeopleSoft application server without entering a user ID or password.

source key process In PeopleSoft Enterprise Campus Solutions, a process that relates a particular transaction to the source of the charge or financial aid. On selected pages, you can drill down into particular charges.

source transaction In commitment control, any transaction generated in a PeopleSoft or third-party application that is integrated with commitment control and which can be checked against commitment control budgets. For example, a pre-encumbrance, encumbrance, expenditure, recognized revenue, or collected revenue transaction.

speed key See *communication key.*

SpeedChart — A user-defined shorthand key that designates several ChartKeys to be used for voucher entry. Percentages can optionally be related to each ChartKey in a SpeedChart definition.

SpeedType — A code representing a combination of ChartField values. SpeedTypes simplify the entry of ChartFields commonly used together.

staging — A method of consolidating selected partner offerings with the offerings from the enterprise's other partners.

standard letter code — In PeopleSoft Enterprise Campus Solutions, a standard letter code used to identify each letter template available for use in mail merge functions. Every letter generated in the system must have a standard letter code identification.

statutory account — Account required by a regulatory authority for recording and reporting financial results. In PeopleSoft, this is equivalent to the Alternate Account (ALTACCT) ChartField.

step — In PeopleSoft Sales Incentive Management, a collection of sections in a plan. Each step corresponds to a step in the job run.

storage level — In PeopleSoft Inventory, identifies the level of a material storage location. Material storage locations are made up of a business unit, a storage area, and a storage level. You can set up to four storage levels.

subcustomer qualifier — A value that groups customers into a division for which you can generate detailed history, aging, events, and profiles.

Summary ChartField — You use summary ChartFields to create summary ledgers that roll up detail amounts based on specific detail values or on selected tree nodes. When detail values are summarized using tree nodes, summary ChartFields must be used in the summary ledger data record to accommodate the maximum length of a node name (20 characters).

summary ledger — An accounting feature used primarily in allocations, inquiries, and PS/nVision reporting to store combined account balances from detail ledgers. Summary ledgers increase speed and efficiency of reporting by eliminating the need to summarize detail ledger balances each time a report is requested. Instead, detail balances are summarized in a background process according to user-specified criteria and stored on summary ledgers. The summary ledgers are then accessed directly for reporting.

summary time period — In PeopleSoft Business Planning, any time period (other than a base time period) that is an aggregate of other time periods, including other summary time periods and base time periods, such as quarter and year total.

summary tree — A tree used to roll up accounts for each type of report in summary ledgers. Summary trees enable you to define trees on trees. In a summary tree, the detail values are really nodes on a detail tree or another summary tree (known as the *basis* tree). A summary tree structure specifies the details on which the summary trees are to be built.

syndicate — To distribute a production version of the enterprise catalog to partners.

system function — In PeopleSoft Receivables, an activity that defines how the system generates accounting entries for the general ledger.

system source — The system source identifies the source of a transaction row in the database. For example, a transaction that originates in PeopleSoft Enterprise Expenses contains a system source code of BEX (Expenses Batch).

When PeopleSoft Enterprise Project Costing prices the source transaction row for billing, the system creates a new row with a system source code of PRP (Project Costing pricing), which represents the system source of the new row. System source codes can identify sources that are internal or external to the PeopleSoft system.

For example, processes that import data from Microsoft Project into PeopleSoft applications create transaction rows with a source code of MSP (Microsoft Project).

TableSet A means of sharing similar sets of values in control tables, where the actual data values are different but the structure of the tables is the same.

TableSet sharing Shared data that is stored in many tables that are based on the same TableSets. Tables that use TableSet sharing contain the SETID field as an additional key or unique identifier.

target currency The value of the entry currency or currencies converted to a single currency for budget viewing and inquiry purposes.

tax authority In PeopleSoft Enterprise Campus Solutions, a user-defined element that combines a description and percentage of a tax with an account type, an item type, and a service impact.

template A template is HTML code associated with a web page. It defines the layout of the page and also where to get HTML for each part of the page. In PeopleSoft, you use templates to build a page by combining HTML from a number of sources. For a PeopleSoft portal, all templates must be registered in the portal registry, and each content reference must be assigned a template.

territory In PeopleSoft Sales Incentive Management, hierarchical relationships of business objects, including regions, products, customers, industries, and participants.

third party A company or vendor that has extensive PeopleSoft product knowledge and whose products and integrations have been certified and are compatible with PeopleSoft applications.

3C engine Abbreviation for *Communications, Checklists, and Comments engine.* In PeopleSoft Enterprise Campus Solutions, the 3C engine enables you to automate business processes that involve additions, deletions, and updates to communications, checklists, and comments. You define events and triggers to engage the engine, which runs the mass change and processes the 3C records (for individuals or organizations) immediately and automatically from within business processes.

3C group Abbreviation for *Communications, Checklists, and Comments group.* In PeopleSoft Enterprise Campus Solutions, a method of assigning or restricting access privileges. A 3C group enables you to group specific communication categories, checklist codes, and comment categories. You can then assign the group inquiry-only access or update access, as appropriate.

TimeSpan A relative period, such as year-to-date or current period, that can be used in various PeopleSoft General Ledger functions and reports when a rolling time frame, rather than a specific date, is required. TimeSpans can also be used with flexible formulas in PeopleSoft Projects.

trace usage In PeopleSoft Manufacturing, enables the control of which components will be traced during the manufacturing process. Serial- and lot-controlled components can be traced. This is maintained in the Item Master record.

transaction allocation In PeopleSoft Enterprise Incentive Management, the process of identifying the owner of a transaction. When a raw transaction from a batch is allocated to a plan context, the transaction is duplicated in the PeopleSoft Enterprise Incentive Management transaction tables.

transaction state In PeopleSoft Enterprise Incentive Management, a value assigned by an incentive rule to a transaction. Transaction states enable sections to process only transactions that are at a specific stage in system processing. After being successfully processed, transactions may be promoted to the next transaction state and “picked up” by a different section for further processing.

Translate table A system edit table that stores codes and translate values for the miscellaneous fields in the database that do not warrant individual edit tables of their own.

tree The graphical hierarchy in PeopleSoft systems that displays the relationship between all accounting units (for example, corporate divisions, projects, reporting groups, account numbers) and determines roll-up hierarchies.

tuition lock In PeopleSoft Enterprise Campus Solutions, a feature in the Tuition Calculation process that enables you to specify a point in a term after which students are charged a minimum (or *locked*) fee amount. Students are charged the locked fee amount even if they later drop classes and take less than the normal load level for that tuition charge.

unclaimed transaction In PeopleSoft Enterprise Incentive Management, a transaction that is not claimed by a node or participant after the allocation process has completed, usually due to missing or incomplete data. Unclaimed transactions may be manually assigned to the appropriate node or participant by a compensation administrator.

universal navigation header Every PeopleSoft portal includes the universal navigation header, intended to appear at the top of every page as long as the user is signed on to the portal. In addition to providing access to the standard navigation buttons (like Home, Favorites, and signoff) the universal navigation header can also display a welcome message for each user.

update access In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user to edit and update data.

See also *inquiry access.*

user interaction object In PeopleSoft Sales Incentive Management, used to define the reporting components and reports that a participant can access in his or her context. All Sales Incentive Management user interface objects and reports are registered as user interaction objects. User interaction objects can be linked to a compensation structure node through a compensation relationship object (individually or as groups).

variable In PeopleSoft Sales Incentive Management, the intermediate results of calculations. Variables hold the calculation results and are then inputs to other calculations. Variables can be plan variables that persist beyond the run of an engine or local variables that exist only during the processing of a section.

VAT exception Abbreviation for *value-added tax exception.* A temporary or permanent exemption from paying VAT that is granted to an organization. This terms refers to both VAT exoneration and VAT suspension.

VAT exempt Abbreviation for *value-added tax exempt.* Describes goods and services that are not subject to VAT. Organizations that supply exempt goods or services are unable to recover the related input VAT. This is also referred to as exempt without recovery.

VAT exoneration Abbreviation for *value-added tax exoneration.* An organization that has been granted a permanent exemption from paying VAT due to the nature of that organization.

VAT suspension Abbreviation for *value-added tax suspension.* An organization that has been granted a temporary exemption from paying VAT.

warehouse A PeopleSoft data warehouse that consists of predefined ETL maps, data warehouse tools, and DataMart definitions.

work order In PeopleSoft Services Procurement, enables an enterprise to create resource-based and deliverable-based transactions that specify the basic terms and conditions for hiring a specific service provider. When a service provider is hired, the service provider logs time or progress against the work order.

worker A person who is part of the workforce; an employee or a contingent worker.

workset	A group of people and organizations that are linked together as a set. You can use worksets to simultaneously retrieve the data for a group of people and organizations and work with the information on a single page.
worksheet	A way of presenting data through a PeopleSoft Business Analysis Modeler interface that enables users to do in-depth analysis using pivoting tables, charts, notes, and history information.
worklist	The automated to-do list that PeopleSoft Workflow creates. From the worklist, you can directly access the pages you need to perform the next action, and then return to the worklist for another item.
XML link	The XML Linking language enables you to insert elements into XML documents to create a links between resources.
XML schema	An XML definition that standardizes the representation of application messages, component interfaces, or business interlinks.
XPI	Abbreviation for *eXtended Process Integrator.* PeopleSoft XPI is the integration infrastructure that enables both real-time and batch communication with EnterpriseOne applications.
yield by operation	In PeopleSoft Manufacturing, the ability to plan the loss of a manufactured item on an operation-by-operation basis.
zero-rated VAT	Abbreviation for *zero-rated value-added tax.* A VAT transaction with a VAT code that has a tax percent of zero. Used to track taxable VAT activity where no actual VAT amount is charged. Organizations that supply zero-rated goods and services can still recover the related input VAT. This is also referred to as exempt with recovery.

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