



Release Notes for Enterprise PeopleTools 8.45

June 09, 2004

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Release Notes for Enterprise PeopleTools 8.45 Preface

Version 02: Updated June 29, 2004

This document provides an overview of the value proposition that is associated with the new features and enhancements that are planned for Enterprise PeopleTools 8.45. It is a roadmap that is intended to help you assess the business benefits of Enterprise PeopleTools 8.45 and to plan your information technology (IT) projects and investments.

Our goal is to ensure that you leverage technology to its fullest to increase the efficiency and effectiveness of your operations. Please note that the final release may not have every feature that is discussed in this document, and a specific feature may become part of a different application or have a product name that is different from those cited in this document.

This preface discusses:

- PeopleSoft release information publications.
- Additional resources.

Note. Use the index to locate the section for each application in the prerelease notes.

PeopleSoft Release Information Publications

This section discusses publications that provide in-depth technical and functional information that is available at the time of publication:

- Prerelease notes
- Release notes

Prerelease Notes

Prerelease notes provide more functional and technical details than the release value proposition. This document describes how each enhancement functions within the context of the greater business process. This added level of detail should enable project teams to answer the following questions:

- What out-of-the-box functionality will change?
- What customizations may be affected?
- How will an upgrade or new implementation affect other systems?
- How will these changes affect the organization?

After the project team has reviewed and analyzed the prerelease notes, business decision makers should be in the position to determine whether to allocate budget and initiate implementation plans.

Release Notes

Release notes are published at GA and validate the final scope of the release. The release notes discuss the features and enhancements that are available with the GA release of each product, describing the finalized functional and technical details that will enable project teams to confirm budgets and complete implementation plans.

Additional Resources

There are many additional resources that will help your organization determine the affects of upgrading to this release.

Visit the PeopleSoft Customer Connection website frequently to keep apprised of ongoing changes. This table lists the types of resources that are available on Customer Connection:

Resource	Navigation
Upgrade paths	Support, Roadmaps + Schedules, Release Definitions
Training opportunities	Education Services
PeopleSoft Consulting (PSC) readiness	Consulting Services
Installation guides	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation and Software
Upgrade Guides	Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation and Software

Enterprise PeopleTools 8.45 Value Proposition

Enterprise PeopleTools 8.45 is primarily a maintenance release providing improvements to existing technology and offers some new features.

Enterprise PeopleTools 8.45 is focused on the following key areas:

- Performance.
- Mobile applications.
- Diagnostic Framework.
- User Interface.
- Platform support.

Performance

PeopleSoft continues to improve the overall performance. Enterprise PeopleTools 8.45 provides a variety of performance enhancements.

Examples of performance enhancements include:

- Menu pagelet caching.
- Server-based caching (as opposed to browser-based caching).

Mobile Applications

PeopleSoft Mobile Agent provides user experience enhancements that have streamlined application navigation. These enhancements help to reduce user click counts within mobile applications.

Examples of mobile application enhancements include:

- Transfer between mobile components.
- Calendar prompt on date fields.
- Render as drop-down list option.

Diagnostic Framework

The PeopleSoft Diagnostic Framework is designed to facilitate the diagnosis and resolutions of incidents by PeopleSoft GSC. It enables the critical system data to be packaged and sent to GSC without the need for IT intervention. This reduces administration overhead and can help PeopleSoft solve customer issues more quickly.

Examples of Diagnostic Framework enhancements include:

- Dynamic prompting.
- XML output.
- Send Functionality.
- Rowset display.

User Interface

Included in this release is a set of user interface changes resulting in minor improvements to basic user interaction with specific user interface elements and in the fit-and-finish of the user interface. Cumulatively, these changes have had a positive effect on the user experience measured during usability testing.

Examples of user interface enhancements include:

- Simplified calendar usage.
- Maintaining field values from search pages.
- Additional "Add to Favorites" Location.
- Enable Mobile Users to Add and Edit Rows from a Grid.

Platform Support

PeopleSoft continues to broaden platform support to include the most popular, most current, and most stable third-party products. Enterprise PeopleTools 8.45 offers a variety of newly supported hardware and software products.

Examples of increased platform support include:

- HP-UX on Intel Itanium servers in addition to PA-RISC servers.
- Java Runtime 1.4.2, for compatibility with the most current Java systems.
- Apple Safari browser version 1.2.
- WebLogic 8.1 SP2 adding Java Runtime 1.42 support.
- Third-party ERP Connectors on AIX, HP-UX, and Linux.

Prerelease Notes Updates

PeopleSoft provides prerelease notes well before the release of a new PeopleSoft version or maintenance release. The prerelease notes are designed to provide information to help you plan future implementations. While every effort is made to share accurate information related to the intended content of a release, items mentioned in prerelease notes may not necessarily be in the current release when it is made generally available. For Enterprise PeopleTools 8.45, make note of the prerelease notes updates mentioned in this section.

DB2 v8.1 z/OS Support

The prerelease notes for Enterprise PeopleTools 8.45 mentioned the intended support of IBM DB2 v8.1 on z/OS. However, PeopleSoft cannot certify support for this configuration at the time that Enterprise PeopleTools 8.45 becomes generally available. PeopleSoft is currently working with IBM to certify the support for this configuration.

PeopleSoft Data Mover on z/OS under UNIX System Services

The prerelease notes for Enterprise PeopleTools 8.45 mentioned the intended support of PeopleSoft Data Mover on z/OS under UNIX System Services. However, PeopleSoft cannot certify support for this configuration at the time that Enterprise PeopleTools 8.45 becomes generally available.

If your site requires the use of PeopleSoft Data Mover on z/OS under UNIX System Services, contact PeopleSoft Global Support Center.

Enterprise PeopleTools 8.45 Enhancements

This section discusses new enhancements in Enterprise PeopleTools 8.45. Enhancements fall into these areas:

- Administration Tools.
- Development Tools.
- Integration Tools.
- Decision Support and Reporting Tools.

Administration Tools

This section covers the enhancements made to tools and utilities related to system administration in the following areas:

- Platform Support
- PeopleSoft Performance Monitor
- Performance
- PeopleSoft MultiChannel Framework
- PeopleSoft Process Scheduler
- Security Administration
- System and Server Administration
- Data Management
- PeopleSoft Diagnostic Framework

Platform Support

PeopleTools 8.45 provides the following enhancements in platform support:

- HP-UX on Intel Itanium servers in addition to PA-RISC servers.
- Java Runtime 1.4.2, for compatibility with the most current Java systems.
- Apple Safari browser version 1.2.
- WebLogic 8.1 SP2.
- Third-party ERP Connectors on AIX, HP-UX, and Linux.

See Also

Enterprise PeopleTools 8.45 Hardware and Software Requirements

HP-UX on Intel Itanium and PA-RISC

If you are running your systems on HP-UX, you now have two server options:

- Intel Itanium.
- PA-RISC.

Java Runtime 1.4.2

Java runtime 1.4.2 enables compatibility with the most current Java systems.

Java runtime 1.4.2 is bundled on all platforms except AIX for the application server.

Apple Safari Browser

The Apple Safari browser version 1.2 has been certified with PeopleTools 8.45. This version of Safari, which is part of Mac OS X Panther, delivers the fastest web browser performance in the Mac OS X environment and enables users of PeopleSoft to be more productive.

With Safari certification, users of PeopleSoft applications can take advantage of unique features of Apple's Safari including SnapBack navigation that enables a user to step back through a transaction with a single click rather than many.

In addition, the new tabbed browsing feature will enable users to access multiple PeopleSoft application pages in a single window. This is important in multilingual call centers where a customer service agent needs access to applications in more than one language on the same system.

WebLogic 8.1 SP2

WebLogic 8.1 SP2 comes bundled with JRE 1.4.2 on all available platforms.

For RedHat Linux Advanced Server 2.1 IA32, PeopleSoft supports BEA jRockit 8.1 SP1 JVM.

Third-Party ERP Connectors

Enterprise PeopleTools 8.45 includes ERP connectors for Oracle, SAP, and Siebel applications. These connectors enable a PeopleSoft EIP to communicate with these third-party systems through web services saving you from building custom adapters.

Embedding these ERP connectors not only dramatically reduces the costs of integrating with third parties but can also deliver real business value by integrating "silos" within organizations having enterprise applications from multiple vendors.

In Enterprise PeopleTools 8.45, the platform support for these connectors will be extended to AIX, HP-UX, and Linux platforms.

Note. Actional SOAPswitch uses the term adapter to refer to connector. The terms SOAPswitch adapters and ERP connectors are used interchangeably in PeopleSoft.

ServerExpress

If you use SX 22 for Itanium (64bit), you need to get a PeopleSoft license from MicroFocus that enables you to run on SX 22 Itanium (64bit).

PeopleSoft Performance Monitor

This section covers changes and enhancements for PeopleSoft Performance Monitor.

Component Trace

In PeopleTools 8.44 when you ran a performance trace, you viewed all of the performance information generated by the trace using various PeopleSoft Performance Monitor pages. To gain information exclusively related to component performance within the trace, you needed to piece together a variety of information, often from numerous pages.

With PeopleTools 8.45, you now have an interface that enables you to focus on component performance, the Component Trace page.

Component Trace

This page is only intended for PeopleSoft component tuning. Only server round trips related to component processing are profiled. Times shown do not account for time spent on the web server.

Performance Trace Name:	MCF2	Server Round Trips:	10
Monitor Start Date Time:	03/02/2004 9:34:59AM	SQL Executes:	73
First Component:	MCF_IM_DEMO_CMP.GBL	SQL Fetches:	698
Component Cache Status:	Cached	PeopleCode Program Executions:	42

Duration Summary		
Measurement	Duration (sec)	% of Total
Total Trace	1.365	100.00
SQL	0.102	7.47
Pack/Unpack Time	0.196	14.36
PeopleCode	1.020	74.73
PeopleTools Run Time	0.047	3.44

Server Round Trips				
Seq	Action	Page	Duration (sec)	% of Total Trace
1	Switch to Add Action Mode	Search Page	0.024	1.76
2	Load Search Result	MCF_IM_DEMO_PG	0.053	3.88
3	Insert Row(s) in Grid/ScrollArea	MCF_IM_DEMO_PG	0.035	2.56
4	Insert Row(s) in Grid/ScrollArea	MCF_IM_DEMO_PG	0.031	2.27
5	Click PeopleCode Command Button for Field MCF_IM_DERIVED.MCF_IM_REFRESH	MCF_IM_DEMO_PG	0.375	27.47
6	Save Component	MCF_IM_DEMO_PG	0.033	2.42
7	Tab to Next Page	MCF_IM_DEMO1_PG	0.038	2.78
8	Save Component	MCF_IM_DEMO1_PG	0.032	2.34
9	Tab to Next Page	MCF_IM_DEMO_PG	0.369	27.03
10	Click PeopleCode Command Button for Field MCF_IM_DERIVED.MCF_IM_REFRESH	MCF_IM_DEMO_PG	0.375	27.47

Component Trace page

The Component Trace page offers better support for performance analysis, debugging, and profiling needs of PeopleSoft components. It also offers summary views for server round trips, SQL, and PeopleCode. And, it enables you to save trace information and email it in XML format to your colleagues or PeopleSoft staff.

Note. The Component Trace page is only populated after you run a performance trace.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Performance Monitor, Working with PeopleSoft Performance Monitor Charts and Analytics, "Viewing Component Trace Information."

Additional Performance Metric Units (PMUs)

Three new PMUs were added for Enterprise PeopleTools 8.45:

- PMU 426 (Remote Call Built-in): Enables you to view information related to the PeopleCode program, dispatcher program, and the COBOL program.

- PMU 427 (Deserialization): Enables you to monitor time spent on SQL deserialization activity.
- PMU 428 (Serialization): Enables you to monitor time spent on SQL serialization activity.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Performance Monitor, "Appendix: PMU Definition Reference."

PPM Monitor Servlet Buffer

The PPM Monitor Buffer Size default size is now 50 MB to decrease the chances of buffer overflows.

Reorganized Navigation

The left navigation has changed slightly since Enterprise PeopleTools 8.44 where there was a Charts submenu beneath the History menu. Now, you'll see an Analytics menu at the same level as the System Monitor, Administration, and History menus. The Analytics menu provides navigation to the pages used for building and analyzing charts.

User Interface Enhancements

A variety of enhancements were added to the user interface for the PeopleSoft Performance Monitor, including:

- Search pages display the Advanced Search options by default.
- Display messages when a particular search retrieved no results.
- Collapsible group boxes around search parameters on the pages accessed through the Analytics and History menus. This increases space with which to display results and charts.
- A new icon appears on web server, application server, and Process Scheduler Server pages displaying graphically the current agent filter level.

Performance

Many Performance improvements are achieved through menu pagelet caching.

Additionally, in PeopleTools 8.45, any changes to a menu definition are immediately reflected to end-users as caching is now server-based instead of browser based.

PeopleSoft MultiChannel Framework

This section covers changes and enhancements for PeopleSoft MultiChannel Framework.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft MultiChannel Framework

Downloading Long Email Attachment URLs

If your site uses PeopleSoft MultiChannel Framework and you are upgrading from PeopleTools 8.44 to PeopleTools 8.45, you must install the PeopleTools 8.45.02 patch. The patch supports access to long email attachment URLs from PeopleTools 8.44 database records. The PeopleTools 8.45 release uses new records that permit longer email attachment URLs than in previous releases.

PeopleSoft CTI JavaScript API

After PeopleTools 8.45, the PeopleSoft CTI agent console applet currently provided with PeopleTools will be deprecated and replaced by a JavaScript API.

This will have no effect on customers using the out-of-the-box PeopleSoft CTI functionality in applications using PeopleSoft CRM's CTI module. PeopleSoft recommends that you do not develop any applications based on the current CTI applet, but instead plan to develop using the JavaScript API.

Documentation for the CTI applet will not be published in future releases, beginning with PeopleTools 8.46

PeopleSoft Process Scheduler

This section covers the changes and enhancements for PeopleSoft Process Scheduler.

Report Manager List Tab

When you access the Report Manager List page using any one of the following navigation paths:

- PeopleTools, Process Scheduler, System Process Requests, Process Request Dialog, Report Manager, List
- Reporting Tools, Report Manager, List
- Any link to the Report Manager List page.

A warning message appears if more than 1,000 rows are available for display on the Report Manager List page. You should then use filtered values to narrow your search in order to minimize the data retrieval time.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using Report Manager," Viewing Reports

List Tab as the Default Tab

To provide more information for users to view, the List tab in the Report Manager is now the default tab instead of the Explorer tab.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using Report Manager," Viewing Reports

Additional Argument for Crystal Reports

We have added a new report-specific argument for Crystal. The argument, `-CPI`, sets the character per inch parameter when you export a file to text. If the value is not set, a default of **12** is used.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Defining PeopleSoft Process Scheduler Support Information," Defining Process Definitions

New Meta-String in the Process Scheduler Shell JCL Template

In support of PDF font linking or embedding for SQR output on zOS/OS390, a new meta-string is now available for use in a shell JCL template. This meta-string, `%Sqrini%`, is used to identify the initialization file in the SQR process.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Managing PeopleSoft Process Scheduler," Editing JCL Templates in OS390 for COBOL and SQR

New Parameters in the Process Scheduler Configuration File

In PeopleTools 8.45, there are new parameters in the Process Scheduler configuration file:

OS390-Config Section

Parameter	Description
High Level Qualifier for Log Dataset	Specifies the datasets that represent the high level qualifier for all logs and reports generated from processes submitted through Process Scheduler.
TSO Character Set	Specifies the codepage for the TSO environment. The default value is CP037 (IBM037: Latin1 code page).

PSTools Section

Parameter	Description
Report Repository Character Set	Specifies the codepage used by the Distribution Agent when migrating text files from USS into the Report Repository.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using the PSADMIN Utility," Editing the PeopleSoft Process Scheduler Configuration File

New Run Control Subpages

For PeopleTools 8.45, we have added four new Run Control subpages for the application developers to use. These subpages are based on the existing PeopleTools subpages that we currently deliver to the applications. In addition, there are two new buttons related to these subpages.

The existing Run Control subpages delivered by PeopleTools are:

- PRCSRUNCNTL_LC_SBP
- PRCSRUNCNTL_RL_SBP
- PRCSRUNCNTL_SBP
- PRCSRUNCNTL_SBP2

The new Run Control subpages delivered by PeopleTools are:

- PRCSRUN_LC_SBP
- PRCSRUN_RL_SBP
- PRCSRUN_SBP
- PRCSRUN_SBP2

Note. The new subpages are the preferred subpages for application developers to use.

The new subpages comprise the following buttons and links:

Buttons and Links	Description
Run Now	Click this button to request a process to run without launching the process request dialog. Process Scheduler will run the first process request listed on the Process Request Dialog page. If the process has previously been run, the system will retain the default output type based on the run control record.
Advance Schedule	Click this button to launch the Process Scheduler Dialog to submit process request(s) and customize the output type and output format of the process. This option is synonymous to the <i>Run</i> button.
Report Manager	Click this link to transfer to the Report Manager, List page.
Process Monitor	Click this link to transfer to the Process Monitor, Process List page.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Application Designer, "Using Page Controls"

Safari Browser

We currently do not support the *Window* output option on the Safari browser. If you submit a process to the *Window* output option using the Process Request Dialog page, a message indicating that report notification is not supported on Safari will appear. Consequently, the process will be submitted to the *web* rather than the window output type.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Submitting and Scheduling Process Requests", Scheduling Process Requests

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Setting Server Definitions", Defining Servers

Distribution Agent Rules

In order for the Distribution Agent to pass authentication, you must ensure that the following rules are enforced:

- The User ID that you use to start the Process Server must include the *ProcessSchedulerAdmin* role.
- On the Report Definition page, the Url Host must contain a fully qualified name.

If you specify the Auth Token Domain name during the PeopleSoft Pure Internet Architecture installation, you must also include the domain name on the URL host.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Understanding PeopleSoft Process Scheduler", PeopleSoft Process Scheduler Architecture

HTTP Distribution Nodes

The following warning has been added to the section "Defining HTTP Distribution Nodes":

Warning! If you specify the Auth Token Domain name during the PeopleSoft Pure Internet Architecture installation, you must include a fully qualified domain name on the URL instead of the IP address. Otherwise, the Distribution Agent will not pass authentication.

See Also

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Setting Server Definitions", Defining Report Nodes*

Distribution Icon

The Distribution icon on the Distribution Detail page has been replaced by a link.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Submitting and Scheduling Process Requests," Scheduling Process Requests

Configurable Warning Message

For job notification messages, you can now select a message type for Warning messages. Your options are:

- Default message
- Customized message
- Message catalog

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using Process Monitor," Viewing the Status of Processes

Restart Option for the Hold Status

In PeopleTools 8.45, you can put multiple processes on hold at the same time and restart them simultaneously. The Restart option is now available for the *Hold* status.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using Process Monitor". Viewing the Status of Processes

Securing Passwords When Scheduling from Outside PeopleSoft

To ensure that any user passwords or access IDs are not displayed in any pages, job notifications or logs when scheduling from outside PeopleSoft, you can replace the actual values of the passwords with meta-strings.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Setting Up PeopleSoft Process Scheduler Security," Securing Passwords When Scheduling From Outside PeopleSoft.

Setting Process Scheduler Log/Output Directories

In the past, when Process Scheduler processed a high volume of requests, the number of subdirectories that could be created within a directory was limited. This is due to the constraints of the operating system.

To overcome this limitation, you can use some of the recommended meta-variables to modify the structure of the subdirectory in the Log/Output directory and the directory structure in the Report Repository.

See Also

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Submitting and Scheduling Process Requests,"* Setting Up Process Scheduler Log/Output Directory and Report Repository.

Security Administration

This section discusses changes and enhancements in the following areas:

- New system audit test.
- Using multiple LDAP authentication maps.
- Single signon configuration considerations.
- Pluggable encryption technology enhancements.
- Non-default character sets in Excel downloads.

New System Audit Test

A new system audit (SYSAUDIT) test is available for security integrity.

Some applications can erroneously generate duplicate rows in which the PORTAL_PERMTYPE field of the PSPRSMPerm record is blank, which can prevent saving a copy of a permission list. The SEC-29 query checks PORTAL_PERMTYPE for valid values.

This new query and its resolution are described in the Data Management release notes.

See Also

Release Notes for Enterprise PeopleTools 8.45: PeopleTools 8.45 Enhancements, Data Management, [New System Audit \(SYSAUDIT\) Test](#)

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Ensuring Data Integrity," Running SYSAUDIT, Security Integrity

Using Multiple LDAP Authentication Maps

Use the Authentication page only if you're implementing directory authentication as opposed to storing authentication information in the PeopleSoft database. You create authentication maps to define mappings to one or more directories that the PeopleSoft system relies on for authenticating users. You can define and activate multiple authentication maps.

In previous releases, your PeopleSoft LDAP system tried to authenticate a user ID and password combination by applying each active authentication map in turn until it found a match.

In the current release, the LDAP system now authenticates users against all active authentication maps, and it applies the combination of all the permissions derived from all maps that include that user ID and password.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Employing LDAP Directory Services," Creating the Authentication Map

Single Signon Configuration Considerations

Please note the following addendum at the beginning of the discussion of the single authentication domain limitation:

Web servers using single signon must be assigned to the same authentication domain—the server name in the URLs used to access them must contain the same domain name. A browser only sends a cookie back to the same domain from which it received the cookie.

On PeopleSoft systems, an authentication domain is not the same thing as an internet protocol (IP) address. It's a logical URL address that you specify during PIA setup, and its purpose is to associate different web servers (even at different physical locations) so that they appear to be at the same location to the PeopleSoft applications that use those web servers.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Setting up Digital Certificates and Single Signon," Setting Up Single Signon, Single Signon Configuration Considerations

Pluggable Encryption Technology Enhancements

Support for OpenSSL Digital Signature Algorithms

PeopleSoft pluggable encryption technology (PET) includes the OpenSSL plug-in, which supports several new OpenSSL algorithms for handling digital signatures, as follows:

rsa_md5_sign	Generate an RSA signature using an MD5 hash.
rsa_md5_verify	Verify an RSA signature based on an MD5 hash.
rsa_sha1_sign	Generate an RSA signature using an SHA1 hash.
rsa_sha1_verify	Verify an RSA signature based on an SHA1 hash.
dsa_sha1_sign	Generate a DSA signature.
dsa_sha1_verify	Verify a DSA-hashed signature.

These algorithms are available when you load the OpenSSL encryption library into the PET database.

Accessing the PeopleSoft Keystore

You can now take advantage of the digital certificates and private keys that are already available in the PeopleSoft keystore. On the Algorithm Keystore page, you can specify keys in two different ways:

- Directly enter a key value that's formatted appropriately for the algorithm that you're configuring.

You must generate the key value that you enter here using a key generation utility capable of producing hex encoded keys of the required length. You can use the core OpenSSL command line program that's delivered with your PeopleSoft application.

- Select a certificate alias that already exists in the PeopleSoft keystore.

You then indicate whether the alias represents a certificate (for encryption) or a private key (for signing). This option enables you to avoid having to generate your own key values.

Algorithm Keystore

Algorithm ID: rsa_md5_sign

Keystores Find | View All First 1 of 1 Last

Keystore ID: MYMD5KEY

Use Certificate Store Value

Certificate Alias
Verisign Class 4

Certificate Private Key

Use Entered Value

Key Value:

Algorithm Keystore page

Important! Certificates in the PeopleSoft keystore are in standard X.509 format, which is compatible for use with the internal and OpenSSL algorithms, but is not compatible with the PGP encryption library. If you're defining the keystore for a PGP algorithm, you must generate and enter a key value directly.

Values that you generate and enter directly are entered into the PET keyset table, not the PeopleSoft keystore.

Testing Encryption Profiles

PeopleSoft provides a new page for testing the encryption profiles you create: the Test Encryption Profile page.

Encryption Demo

Encryption Profile ID:

Text to be Encrypted:

Encrypted Text:

cA5YK2Bw5X+WqxATbsog==

[Test Encryption Profile page](#)

Note. Although this page is titled Encryption Demo, it is the Test Encryption Profile page, and it can be accessed at PEOPLETOOLS, SECURITY, ENCRYPTION, TEST ENCRYPTION PROFILE.

Use this page to ensure that your encryption profiles produce the expected results. You select the encryption profile you want to test, enter a string of sample text that you want the profile to process, and click *Run Encryption Profile*. The result of the processing appears in the *Encrypted Text* field.

You can use this page to test decryption as well. You can also test complementary pairs of profiles—one to encrypt, and the other to decrypt. By copying the result of the encryption profile test and pasting it as input to the decryption profile test, you can verify that the text you get out is the same as the text you put in.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Securing Data with Pluggable Cryptography," Understanding the Supported Algorithms

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Securing Data with Pluggable Cryptography," Defining Algorithm Keysets

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Securing Data with Pluggable Cryptography," Testing Encryption Profiles

Non-Default Character Sets in Excel Downloads

If you expect your users to download page grids to Microsoft Excel 97, and they use a character set other than the default UTF-8 character set, they must enable a new general personalization option: **Excel 97 grid download**. This option ensures that data using non-English characters is properly converted for use in Excel 97.

Note. This option is recommended only for non-English users who use Microsoft Excel 97. It isn't recommended for Excel in Microsoft Office 2000 and above.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Security Administration, "Managing PeopleSoft Personalizations," Working with Personalization Options, Understanding General Options

System and Server Administration

This section discusses changes and enhancements in the following areas:

- BEA Tuxedo 8.1 requirement.
- Microsoft Windows Server 2003 support.
- Upgrading the Java Runtime Environment.
- New application server domain settings.
- Restricting access to a servlet with BEA WebLogic.
- Using pskeymanager with IBM WebSphere.
- Deploying Multiple PIA Instances on WebSphere 5.1.
- Correction — Disable DB Stats setting.
- New PS/nVision trace setting.
- New PeopleTools option — Save Error is Fatal.
- Running the Gather utility on UNIX.
- Environment Management Framework.
- BEA WebLogic 8.1 managed server architecture.

BEA Tuxedo 8.1 Requirement

PeopleTools 8.45 requires Tuxedo 8.1 with patch 89 for successful operation. If you have an existing version of Tuxedo 8.1 with an earlier patch, you must remove this version and use the latest Tuxedo 8.1 CD delivered with PeopleTools 8.45 to install the latest version.

See Also

PeopleTools 8.45 Installation for your database platform, "Installing Third-Party Products"

Microsoft Windows Server 2003 Support

PeopleSoft now certifies support for the Windows Server 2003 operating system as an Enterprise PeopleTools 8.45 application server, web server, and database server platform.

Refer to the Supported Platforms database on the PeopleSoft Customer Connection website for details.

Upgrading the Java Runtime Environment

You may upgrade your Java Runtime Engine (JRE) to a newer version without upgrading PeopleTools, as long as the new JRE is certified. However, if you do so, you must remember to install the endorsed .jar files after your upgrade by following these instructions:

- On Windows:

If you have an application server, batch server, or file server installed, after you have upgraded your JRE, you must run `PS_HOME\setup\install_endorsed.bat`.

- On UNIX:

If you have an application server or batch server installed, after you have upgraded your JRE, you must relink the symbolic JRE to your new JRE directory and run `PS_HOME/setup/install_endorsed.sh`.

New Application Server Domain Settings

The Cache Settings and PSTOOLS Options sections of your application server domain configuration both include a new parameter.

Domain Settings — AppLogFence

This setting is not available through the PSADMIN interface, but can be entered directly into the PSAPPSRV.CFG file.

You can use this parameter to conditionally determine whether you want to do certain logging from your application. You can implement this parameter from PeopleCode using the `%AppLogFence` system variable, and it's documented in the PeopleCode Developer's Guide.

Cache Settings — MaxCacheMemory

PeopleTools stores application data in a memory cache to increase system performance. However, too large a cache can leave insufficient available memory on your system, which leads to reduced performance.

Use this setting, `MaxCacheMemory`, to specify the maximum size of the memory cache. Every time you use an object, its `LastUsedDate` value is updated. When your system reaches the memory cache threshold, the system prunes the oldest objects in the cache first—that is, the ones with the oldest `LastUsedDate` values—and places the pruned data in a disk cache instead. It prunes the cache to keep it 10 percent below the specified threshold.

Because using a disk cache can also reduce performance, the default setting might not be optimal for your application. You can adjust this setting to achieve the best trade-off between speed and available memory.

Enter an integer value to specify the maximum size of the memory cache in megabytes. By specifying a value of 0 megabytes you disable pruning altogether, which allows for an unlimited memory cache. The default value of this setting is 10 megabytes.

PSTOOLS Options — Java VM Options

Specify additional options to be passed to the Java Virtual Machine (JVM) that's loaded by the `PSAPPSRV` process. Separate the options with spaces, for example:

```
-Xrs -Xmx256m -Xms128m
```

If the domain will run as a Windows service, you must specify at least the default option, `-Xrs`.

Refer to your JRE documentation for valid JVM options.

PSTOOLS Options — Suppress SQL Error

This option is not available through the `PSADMIN` interface, but can be entered directly into the `PSAPPSRV.CFG` file.

Normally the SQL in an error is displayed to users in a number of messages. If you consider this a security issue, add the `Suppress SQL Error` property to the `PSTOOLS` section of your `PSAPPSRV.CFG` file, as follows:

```
Suppress SQL Error=1
```

When this is set, any SQL errors that occur don't display details, but refer the user to consult the system log. The details that were in the SQL message are written to the log file. This option helps to prevent SQL injection vulnerabilities.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleCode Developer's Guide,
"Debugging Your Application," Using Application Logging

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration,
"Setting Application Server Domain Parameters," Cache Settings

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration,
"Setting Application Server Domain Parameters," PSTOOLS Options

Enterprise PeopleTools 8.45 PeopleBook: PeopleCode Developer's Guide,
"Improving Your PeopleCode," Preventing SQL Injection

Restricting Access to a Servlet with BEA WebLogic

You can restrict access to a web resource for a single server configuration of PIA. When in production, a multiserver configuration would be used to accomplish this with your managed server instance of PIA, PIA1, and so on.

BEA WebLogic Server provides an optional level of security to restrict access to resources on the web server. The steps discussed in the documentation describe how to restrict access by means of a WebLogic ID and password to the PeopleSoft Portal servlet:

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Working with BEA WebLogic," Restricting Access to a Servlet

Using pskeymanager with IBM WebSphere

In previous releases, PeopleSoft delivered separate key management tools for use with the supported web servers: IBM Websphere was delivered with the IBM supplied *iKeyMan* tool, and BEA WebLogic was delivered with *pskeymanager*, which is an enhanced version of the Java-based *keytool*.

For consistency and simplicity, WebSphere is now also delivered with *pskeymanager* instead of *iKeyMan*. You use *pskeymanager* to complete the tasks needed to set up SSL on WebSphere 5.1, including:

- Generating a certificate for the web container.

To create a new private key and certificate signing request, run `pskeymanager.cmd -create`.

To import the public certificates that you receive from your certificate authority into your keystore, run `pskeymanager.cmd -import`.

- Modifying the web container to support SSL.

Note. For reverse proxy servers, you must still use *iKeyMan*, because *pskeymanager* supports only the JKS format.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Working with IBM WebSphere," Setting Up SSL on IBM HTTP Server

Deploying Multiple PIA Instances on WebSphere 5.1

Web applications running in a server are each rooted at a unique base URL, called a *context root*. PIA is deployed with a context root of `/'`. This cannot be changed. Deploying multiple PIA instances on WebSphere can cause conflicts because their context roots are the same. Having two or more applications with the same URL makes some of the applications inaccessible.

To resolve this issue, WebSphere enables the use of virtual hosts to create unique URLs. This is accomplished with either a unique hostname or a unique port. The WebSphere virtual host should include the hostname and ports (for example 80 and 443) for the HTTP server, which enables the HTTP request to be forwarded to WebSphere through the plug-in.

The System and Server Administration PeopleBook outlines examples of five different scenarios, two suitable for a production environment, using WebSphere with multiple instances of PIA.

Virtual Hosting

Virtual hosts enable the administrator to isolate and independently manage multiple sets of resources on the same physical machine.

Suppose an Internet Service Provider (ISP) has two customers whose internet sites it would like to host on the same machine. The ISP would like to keep the two sites isolated from one another, despite their sharing a machine. The ISP could associate the resources of the first company with VirtualHost1 and the resources of the second company with VirtualHost2.

Now suppose both of the companies' web sites offer the same servlet. Each site has its own instances of the servlet, which are unaware of the other site's instances. If the company whose site is organized on VirtualHost2 is past due in paying its account with the ISP, the ISP can refuse all servlet requests that are routed to VirtualHost2. Even though the same servlet is available on VirtualHost1, the requests directed at VirtualHost2 will not be routed there.

The servlets on one virtual host do not share their context with the servlets on the other virtual host. Requests for the servlet on VirtualHost1 can continue as usual, even though VirtualHost2 is refusing to fill requests for the same servlet.

You can find more information about virtual hosting on the websites of IBM, Microsoft, and Sun Microsystems.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Working with IBM WebSphere," Deploying Multiple PIA Instances on WebSphere 5.1

New PS/nVision Trace Setting

In PeopleSoft Configuration Manager, the nVision tab includes a new field, **Trace Level**, with which you indicate whether you want PS/nVision to generate independent trace log files of two-tier activity, and at what level, for each nVision process. Select one of the following values:

0 Disable tracing. This is the default value.

- 1** Generate basic high-level information. This setting can be used to check whether nVision has successfully launched and is able to connect to Excel and process the request. Some of the key entries in a level 1 trace log are:
- Command Line Arguments.
 - Trace Level.
 - Excel Pid.
 - Run Control Name.
 - Report Id.
 - Business Unit.
 - Drill Layout.
 - Report Id.
 - Instance Name.
- 2** Generate level 1 tracing plus high-level code flow.
- 3** Generate level 2 tracing plus runtime SQL statements.
- 4** Generate level 3 tracing plus most function calls and output values. Use this setting to identify problems that are intermittent and hard to predict.

The trace log files are generated in the c:\temp directory, named with the format `psnvs_process_id.nvt`, for example, `psnvs_1024.nvt`. You can view these log files in a text editor.

Note. Extensive tracing will affect PS/nVision performance. Two-tier log files aren't automatically purged by PS/nVision. Users must manually delete them from the temp directory to save disk space.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Using PeopleSoft Configuration Manager," Defining User Profiles, nVision

New PeopleTools Option — Save Error is Fatal

The Save Error is Fatal option is on the PeopleTools Options page. Select this option when you have nonrepeatable PeopleCode logic in your application's SavePreChange or Workflow. In previous releases, PeopleSoft applications were coded to assume that errors during save are always fatal, but the current PeopleTools release no longer behaves this way. Use this option to ensure predictable behavior with your application without having to modify your older application code.

This check box is cleared by default. If you get an error during save processing, the transaction continues and you're allowed to attempt to save again. When this option is selected, if you get an error during save processing the transaction is aborted and all changes are lost. This applies to errors that occur between and including the SavePreChange event to the SavePostChange event. It also includes the component processor save processing. It doesn't include errors from the SaveEdit event.

For example, suppose you have some calculations that occur in SavePreChange which are based on the buffers and also modify the buffers. If there's an error during the save and you attempt to save again, the calculations are repeated, but this time based on the buffers that were already modified by the first time the calculations were done. Therefore the second time the calculations are done they will be incorrect, which could lead to incorrect data being saved to the database. In this case you would want to turn on the Save Error is Fatal option, because a fatal error on save is more desirable than incorrect data being put into the database.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Using PeopleTools Utilities," Using Administration Utilities, PeopleTools Options

Environment Management Framework

The Environment Management Framework documentation has been reorganized and enhanced for the current release. The following sections highlight some areas of Environment Management Framework to which you should pay particular attention.

Note. If you upgraded your Environment Management Framework hub to PeopleTools 8.45 from 8.44, the stored data will still be in the 8.44 format. After you start the new hub and agents (either 8.44 or 8.45) and an agent first contacts the hub, you might see the following message: "*objectname* object is being upgraded to use XMLEncoding." This indicates that the framework is behaving properly, and is not a cause for concern.

Configuring an Environment Management Agent

Before you can run an environment management agent, you must ensure that it's properly configured. You configure the agent by making appropriate entries in its configuration.properties file, which is located under:

`PS_HOME/PSEMAgent/envmetadata/config`

You must be sure to configure the following parameters:

- pinginterval
- chunksize
- agentport
- hubURL
- windowsdrivestocrawl

- unixdrivestocrawl

Starting an Agent Automatically

On Windows, you can set an Environment Management agent to start automatically when your Environment Management machine boots, by installing and configuring the PSEMAgent service that's delivered as part of PeopleTools. Before you can start the service, you must install it.

You install the PSEMAgent service from a command prompt. You can start the PSEMAgent service from a command prompt, or from the Windows 2000 Services control panel.

On UNIX, if you want the Environment Management agent to start automatically when the machine starts, add StartAgent.sh to the UNIX boot scripts.

Configuring the Environment Management Hub

Before you can run the environment management hub, you must ensure that it's properly configured.

Note. The current implementation of Environment Management Framework does not support secure HTTP connections. The agent and hub communicate using standard HTTP only. On WebSphere or for a single server configuration on WebLogic, PSEMHUB is a web application within PIA. If PIA is configured to be accessed using HTTPS, a separate server instance must be used for the hub. This extra server will be accessed using regular HTTP.

The hub issues automatic recrawl and revalidate commands to the agents. You configure the hub's recrawl and revalidate settings by setting appropriate parameters in its configuration.properties file, which is located under *PS_HOME/webserve/domain/applications/peoplesoft/PSEMHUB/envmetadata/config* for WebLogic, or *PS_HOME/webserve/cell_node_server/domain.ear/PSEMHUB/envmetadata/config* for WebSphere.

You must be sure to configure the following parameters:

- recrawlinterval
- revalidateinterval

Handling Common Error Conditions

When an Environment Management peer (typically an agent or the viewer) can't communicate with the hub, the following error messages appear in the logs and stdout:

```
Broken connection - attempting to reconnect  
RemoteException while connecting to server - retrying attempt 1  
RemoteException while connecting to server - retrying attempt 2  
RemoteException while connecting to server - retrying attempt 3
```

The peer periodically attempts to reconnect to the hub (by default every ten seconds) with the parameters that are specified in the configuration.properties file.

The peer may not be able to talk to the hub for one of the following reasons:

- The peer is started but the hub is not started.
- The peer is started but the web server is configured to run on a different machine.
- The peer is started but the web server is configured to listen on a different port.
- The peer is running and communicating with the hub, and the PIA web server is shut down.

To ensure that you've configured the peer (agent or viewer) to properly connect with the hub, try each of the following actions in turn:

- Ping the hub host machine.
- Ping the hub host domain.
- Use an IP address in the hubURL.
- Ensure that you specify the right port number in the hubURL.

The documentation also describes several agent-specific resolutions and several viewer-specific resolutions.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Using Environment Management Components"

BEA WebLogic 8.1 Managed Server Architecture

In the current release, the PeopleSoft Internet Architecture (PIA) configuration of BEA WebLogic Server has been expanded to take advantage of WebLogic's managed server architecture.

Web Applications in PIA

PIA is packaged as a J2EE Enterprise Archive and is comprised of five J2EE web applications, commonly referred to as webapps. The five webapps are:

PORTAL	PeopleSoft Portal
PSIGW	PeopleSoft Integration Broker
PSOL	PeopleSoft On-line Library
PSEMHub	PeopleSoft Environment Management Framework
PSINTERLINKS	PeopleSoft Business Interlinks

In addition to the PeopleSoft webapps, three more webapps are added when you install PIA on a WebLogic server machine. These three webapps are not added as part of the PeopleSoft Enterprise Archive, but instead are defined as individual webapps provided by BEA. These three webapps are:

HttpProxyServlet	Reverse Proxy Server – Proxy to a single content server per URL. Each URL can provide unique content.
HttpClusterServlet	Reverse Proxy Server – Proxy to multiple WebLogic servers. All content servers provide access to the same content for load balancing.
Console	BEA's administrative console for WebLogic Server.

WebLogic Domain Types

During PIA setup, you can choose between two different WebLogic domain configurations: a single-server domain and a multiserver domain. In addition, a multiserver domain can be expanded across multiple machines using the distributed managed server option. Each of these domain configurations has a specific purpose but is fully customizable beyond that purpose.

An analogy that can describe the differences between the single-server configuration and a multiserver or distributed server configuration uses the example of two common beverage distribution models: a single lemonade stand, and a large chain of coffee shops.

Single-Server Model: The Lemonade Stand

With a lemonade stand you have yourself, one table, one collection of resources and ingredients, and a single recipe. If any of these are ruined, your lemonade stand is out of business. Similarly, in a single-server configuration you have one server process, one machine, one collection of resources and program files, and a single domain configuration file. If any of those is ruined, your web server is out of business. Throughput can also be an issue for both a lemonade stand and a single-server configuration. For example, if the weather is warm and you receive a rush of thirsty customers, your throughput will reach a maximum at either the rate you accept new orders, ring up cashier transactions, or prepare drinks. If you accept orders and ring up transactions in half the time that you prepare drinks, adding a second bartender would double your throughput, but in this configuration you can't do that because it's only you. Likewise, the single-server configuration is constrained to provide server configuration and all web server based portions of PIA on a single process. The multiserver model enables you to overcome these limitations.

Multiserver Model: The Coffee Shop Chain

Within the same analogy, a large chain of coffee shops has multiple employees, multiple cashier stations, multiple coffee prep stations, and recipes archived and known to multiple employees. Similarly, in a multiserver configuration you can have multiple machines, multiple collections of resources and program files, multiple web server processes, and a replicated domain configuration file. In this model, if any of those resources is ruined, work simply shifts to the next instance of that resource. In addition, throughput can be maintained. For example, if the coffee house received a rush of parched customers, additional cashiers and beverage engineers could be added to maintain throughput. Likewise, in the multiserver configuration, an increase in PeopleSoft Portal usage can easily be accommodated by configuring an additional WebLogic server instance to also serve the PeopleSoft Portal application. In this way, the multiserver model supports extendibility and resource independence.

Single-Server Domain

The single-server domain configuration consists of a single WebLogic server instance, with the WebLogic administration application and all of the web components of PeopleSoft Internet Architecture deployed to use it. This configuration is very similar in design to the WebLogic domain provided in previous PeopleTools releases.

This configuration is intended for single-user or very small scale, noncritical production environments. It can be used as a starting point for you to familiarize yourself with BEA WebLogic Server 8.1. The low resource requirements of this configuration make it ideal for small scale and nonproduction usage.

The single-server domain configuration creates the following server:

PIA	A server for WebLogic domain administration with PeopleSoft J2EE applications deployed.
------------	---

Multiserver Domain

The multiserver domain configuration consists of seven server definitions, a WebLogic cluster, and the web components of PIA split across multiple servers. This configuration takes advantage of WebLogic's administration server and managed server architecture.

This configuration is intended for production environments, which warrant process and resource pool isolation for greater stability and optionally tighter security controls. In this configuration, the resources used for WebLogic domain administration and monitoring are isolated from similar resources used to support the PIA application

This configuration creates the following servers:

WebLogicAdmin	Administration server strictly for WebLogic administration, which includes domain administration and monitoring. The PIA applications are targeted and deployed across a portion of the six other server definitions, all of which are classified as managed servers.
----------------------	---

PIA	Server for the PeopleSoft Portal, integration gateway, and PeopleSoft Business Interlinks applications.
PIA1	Server for the PeopleSoft Portal, integration gateway, and PeopleSoft Business Interlinks applications.
PIA2	Server for the PeopleSoft Portal, integration gateway, and PeopleSoft Business Interlinks applications.
PSOL	Server for the PeopleSoft Online Library (PeopleBooks) application.
PSEMHUB	Server for the PeopleSoft Environment Management Framework application.
RPS	Server for WebLogic reverse proxy server applications.

Distributed Managed Server

The *distributed managed server* configuration, although listed alongside the single-server and multiserver domain types, is not a true domain type. It's an optional extension for an existing multiserver configuration that's used to extend a WebLogic domain configuration across multiple machines in a heterogeneous network. For example, on one machine you perform a PIA install and create a multiserver domain. On a second machine you again perform a PIA install but select to create a distributed managed server. You stop, start, and administer the distributed managed server on the second machine just as if it was a managed server local to the primary server's machine.

This configuration is intended for production environments that encompass multiple machines.

A distributed managed server configuration provides the same benefits as a multiserver configuration with the added benefit of hardware isolation. This option requires a multiserver installation to be performed to some other location, which will contain the configuration for this distributed managed server.

The WebLogic Server Life Cycle

You control a WebLogic server's life cycle primarily using a collection of scripts provided in that server's WebLogic domain directory. Each instance of a WebLogic server runs in an isolated Java Runtime Environment (JRE), regardless of whether you're testing with a single-server configuration or implementing a multiserver configuration for production. All scripts must be launched from the WebLogic domain directory; and provide usage syntax if run with `-help`.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "BEA WebLogic 8.1 Managed Server Architecture"

Data Management

This section discusses changes and enhancements in the following areas:

- Data Mover WHERE modifier.
- PeopleSoft Data Archive Manager enhancements.
- New system audit test.
- Changed audit action values.
- Using filegroups with Microsoft SQL Server.
- Terminating Processes on Systems Using DB2 LUW.

Data Mover WHERE Modifier

The Data Mover EXPORT command includes an optional WHERE modifier. You can use WHERE to compare strings or characters to determine which data to export.

Warning! Use the WHERE clause to compare only US-ASCII (seven-bit ASCII) values. Characters beyond this range can produce errors in the export file.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Using PeopleSoft Data Mover," Using PeopleSoft Data Mover Command Modifiers

PeopleSoft Data Archive Manager Enhancements

The PeopleSoft Data Archive Manager user interface has undergone a significant revision. It's now easier to navigate and more consistent. Some of the enhancements are:

- The homepage now includes a text description of each option.

Data Archive Manager Homepage

[Manage Archive Objects](#)

To implement data archiving, you are required to define what needs to be archived. Each archive object consists of one or more records that you want to archive. Records defined in an archive object must be related by keys.

[Manage Archive Templates](#)

Archive templates define how data could be archived. Each archive template contains definitions for archive objects, archive queries, and application engine processes.

[Archive Data To History](#)

Select template on which to perform archive processes.

[Audit Archiving](#)

View details of previously archived items.

[Query Manager](#)

Create queries to use in archive templates.

Data Archive Manager Homepage

- The terminology used for page fields and menu items is consistent from page to page.
- Field labels are no longer abbreviated.
- The Commit Processing region of the Archive Data to History page has been redesigned to enable more clear cut options for set-based processing, row-based processing, and commit frequency.

Run Control ID: 003

[Report Manager](#)

[Process Monitor](#)

Run

Archive Template	
'Archive Template:	<input type="text"/>
Archive Process	
<input checked="" type="radio"/> Selection	Use Query: <input type="text"/> Define Binds
<input type="radio"/> Delete	
<input type="radio"/> Rollback	Batch Num: <input type="text"/>
<input type="radio"/> Remove from History	
<input type="checkbox"/> Audit Row Count	
Commit Processing	
<input type="checkbox"/> Do Archiving as Unit of Work	
<input type="radio"/> Set-Based Processing	
<input checked="" type="radio"/> Row-Based Processing	Commit Frequency: <input type="text"/>

[View Details](#)

[Archive Data to History page](#)

- The Define Query Bind Variables page has been redesigned for more consistent modification and display of bind variables.

Define Archive Query Binds

Define Query Bind Variables

Archive ID: CONFDEMO	User ID: QEDMO	Run Control ID: 2
Selection Query for Archiving: CONF_QRY3_PROMPT_BU_DT		Reset Query Bind Variables

Business Unit USA01
Date 04/05/2003

[Define Query Bind Variables page](#)

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Using PeopleSoft Data Archive Manager"

New System Audit (SYSAUDIT) Test

A new system audit (SYSAUDIT) test is available for security integrity: **SEC-29**. Some applications can erroneously generate duplicate rows in which PORTAL_PERMTYPE field of the PSPRSMPERM record is blank, which can prevent saving a copy of a permission list. The SEC-29 query checks PORTAL_PERMTYPE for valid values.

Run the following SQL to delete the invalid duplicate rows:

```
DELETE from PSPRSMPERM where PORTAL_PERMTYPE = ' ' and exists
(select 'x' from PSPRSMPERM PP2 where PSPRSMPERM.PORTAL_NAME =
PP2.PORTAL_NAME and PSPRSMPERM.PORTAL_REFTYPE =
PP2.PORTAL_REFTYPE and PSPRSMPERM.PORTAL_OBJNAME =
PP2.PORTAL_OBJNAME and PSPRSMPERM.PORTAL_PERMNAME =
PP2.PORTAL_PERMNAME and PP2.PORTAL_PERMTYPE <> ' ');
UPDATE PSPRSMPERM set PORTAL_PERMTYPE = 'P' where PORTAL_PERMTYPE
= ' ' and exists (select 'x' from PSCLASSDEFN where CLASSID =
PSPRSMPERM.PORTAL_PERMNAME);
```

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Ensuring Data Integrity," Running SYSAUDIT, Security Integrity

Changed Audit Action Values

When trigger-based auditing is performed, the trigger script populates several standard fields in an audit record with useful information about each audited row. It inserts a code in the AUDIT_ACTN field indicating the action taken. The set of translate values available for this field has changed in the current release. The new values are:

A	Row inserted.
D	Row deleted.
K	Row updated, snapshot before update.
N	Row updated, snapshot after update.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Employing Database Level Auditing," Creating Audit Record Definitions

Using Filegroups with Microsoft SQL Server

Microsoft SQL Server 2000 maps each database using a set of operating system files. All database objects and data are stored within these files. A database can have one or more data files (.mdf and .ndf extensions) and transaction log files (.ldf extension).

Filegroups are logical containers that enable the database files (.mdf, .ndf, and .ldf) to be grouped together for administrative and data placement purposes. While a filegroup can contain more than one database file, each database file can be a member of only one filegroup.

Note. While the number and placement of data files may have an impact on system performance, the number and organization of filegroups has no direct correlation to performance.

Because of the large number of tables and the complex IO patterns of a PeopleSoft database, you must consider the placement of the data files carefully to maximize performance. The best approach is to use a RAID-10 disk configuration and spread the data over as many disks as possible. Use a large number of smaller sized disks, rather than a small number of larger disks.

In addition to the main database, give careful consideration to the configuration and placement of the SQL Server Tempdb database, because PeopleSoft applications use it heavily. Given the unusual input/output characteristics of this database (on average, 50% read, 50% write), you should create your Tempdb database on a separate RAID-10 disk with multiple database files. Generally, it's appropriate to make the number of data files equal to the number of processors used.

Refer to your Microsoft SQL Server and Microsoft Windows documentation for more information about using filegroups.

See Also

PeopleTools 8.45 PeopleBook: Data Management, "Administering PeopleSoft Databases on Microsoft SQL Server," Other Considerations, File Management

Terminating Processes on Systems Using DB2 LUW

This issue applies only to systems using DB2 for Linux, UNIX, and Windows as a back end database, and addresses the following scenarios:

- A user terminates a query from Query Manager.
- A long running SQL query that's part of an nVision report times out.

When PeopleSoft Process Scheduler or the application server invokes an operating system-level kill command (kill -9 or SIGKILL) to forcefully terminate a front-end process that has an active database connection, the DB2 agent on the database server servicing the front-end process isn't aware that the front-end process has disappeared, and it continues to execute.

If the user or PeopleSoft Process Scheduler restarts the front-end process, a new DB2 agent is launched, but the previous DB2 process is still running. Every time this sequence of events happens, the number of back-end DB2 processes increases, and they consume increasing amounts of resources such as CPU time on the server. Eventually, the database server performance degrades.

You can resolve this situation by manually issuing the DB2 FORCE command on the database server to kill the running PSQRYSRV background processes and release their resources.

IBM is currently tracking this problem as issue APAR IY55841.

To get more information about this problem from IBM:

1. Navigate to <http://www.ibm.com>.
2. Click **Support & Download**.
3. Click **Search Technical Support**.
4. Select **Only APARs**.
5. Search for the following string: APAR IY55841

The search result appears for the correct APAR issue.

6. Click the link for the APAR IY55841 issue.
7. Enter your IBM ID and Password.
8. Click **Go**.

Additional information for the APAR IY55841 issue appears.

Note. If this problem affects your system, you can install a DB2 UDB fix from IBM, to be provided by PeopleSoft. When it's available, you'll find information about this fix in the form of a "Required for Install or Upgrade" incident in the Updates and Fixes section of the PeopleSoft Customer Connection website. If your PeopleSoft application server is installed on the same machine as the database server, pay particular attention to the instructions covering database connectivity.

PeopleSoft Diagnostic Framework

This section covers changes and enhancements to PeopleSoft Diagnostic Framework.

Dynamic Prompting

Depending on the issue at hand, PeopleSoft GSC might need to investigate the values of specific subsets of transaction data. To facilitate this, Diagnostic Framework now supports dynamic prompting from diagnostic plug-ins.

When you launch a diagnostic operation, one or more of the diagnostic plug-ins you selected on the Launch Diagnostics page might have been designed to dynamically prompt you for relevant parameters. If so, the Additional Information page appears so that you can enter the required parameters:

Additional Information

One or more of the plug-ins you selected requires additional information.

Plug-in Name:	PTDIAGPLUGINSAMPLEROWSET	PT Diagnostic Rowset Sample
Class Name:	GetPromptedLanguages	
	What LANGUAGE_CD should I be searching for: <input type="text"/>	
Plug-in Name:	TEST_DIAG	Diagnostic Dynamic Prompting
	Global call by Test CustID: <input type="text"/>	
Class Name:	Test	
	Class Test Effdt:	<input type="text" value="03/18/2004"/> <input type="button" value="B"/>
	Class Test CustID1:	<input type="text"/>
	Class Test Bool1:	<input type="text" value="False"/> <input type="button" value="v"/>
	Class Test Num1:	<input type="text" value="0"/>
Class Name:	Test2	
	Class Test2 2 CustID2:	<input type="text"/>
	Class Test2 Effdt2:	<input type="text" value="03/18/2004"/> <input type="button" value="B"/>
<input type="button" value="OK"/> <input type="button" value="Cancel"/>		

Additional Information page

The fields that appear on this page depend on the design of the diagnostic plug-ins that you specified on the Launch Diagnostics page.

Before Diagnostic Framework launches a plug-in, it first checks to determine if the plug-in contains any prompts, based on the state of the Where property of the PeopleCode PTDiagnostics class that's the basis for the plug-in. If there are prompts in any of the selected plug-ins, Diagnostic Framework uses the GetDynamicPrompt method to construct the prompt fields, then dynamically assembles them into an Additional Information page.

The Additional Information page includes a section for each plug-in that requires information. Each section can contain fields that apply globally for the plug-in, or fields that are specific to individual classes within the plug-in. For the diagnostic plug-ins delivered with your PeopleSoft application, your application documentation explains what values are valid for each field.

When you click OK, Diagnostic Framework returns the criteria you entered to the requesting plug-ins, which then apply the criteria you entered to the diagnostic.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Running Diagnostics with Diagnostic Framework," Launching Diagnostic Plug-Ins

Rowset Display

Each application class in a plug-in can produce diagnostic results as any combination of strings, numbers, dates, and Boolean values. It presents each result value by inserting it within a simple text statement, for example "Field X of table Y contains value Z."

However, for answers to questions such as "Give me all data in table A where FIELD1 = BBB," Diagnostic Framework now supports the use of rowsets to output the results in a more easily formatted and readable form.

Before an application class passes the rowset results of its diagnostic to Diagnostic Framework for output, it first sets the hasRowset property of the PeopleCode PTDiagnostics class that's the basis for the plug-in to True. Diagnostic Framework notes this setting and handles the rowset data by formatting it as a table in the HTML results. Following is an example of HTML diagnostic output that includes both rowset and nonrowset results:

PeopleSoft Diagnostics

Database Name: QEB45DVL
User ID: QEDMO
Date Created: 2004-01-30-16.04.52.000000
Database Type: MICROSOFT

Plug-in Name: PT_DIAGNOSTIC_PLUGIN
Description: PT Diag. Plug-In Test Cases

Purpose: This is a diagnostic to determine all of the languages installed in your PeopleSoft Database. This diagnostic tests AddRowset functionality.

The following rows were retrieved:

	LANGUAGE_CD	CHARSET	INSTALLED	VERITY_LOCALE	SCLANG	WINDOWS_CHARSET	VERITY_CHARSET	ISO_LOCALE
1	CFR	ISO_8859-1	0	frenchx	SC16	CP1252	CP1252	fr-ca
2	DAN	ISO_8859-1	0	danishx	SC09	CP1252	CP1252	da
3	DUT	ISO_8859-1	1	dutchx	SC11	CP1252	CP1252	nl
4	ENG	ISO_8859-1	1	englishx	SC00	CP1252	CP1252	en
5	ESP	ISO_8859-1	0	spanishx	SC34	CP1252	CP1252	es
6	FRA	ISO_8859-1	0	frenchx	SC16	CP1252	CP1252	fr
7	GER	ISO_8859-1	0	germanx	SC18	CP1252	CP1252	de
8	GRK	ISO_8859-7	0	englishx	SC21	CP1253	CP1253	el
9	ITA	ISO_8859-1	0	italianx	SC25	CP1252	CP1252	it
10	JPN	Shift_JIS	0	japanb	SC00	CP932	Shift_JIS	ja
11	KOR	CP949	0	koreab	SC00	CP949	CP949	ko
12	MAY	ISO_8859-1	0	englishx	SC00	CP1252	CP1252	ms
13	POL	ISO_8859-2	0	polish	SC28	CP1250	CP1250	pl
14	POR	ISO_8859-1	0	portugx	SC31	CP1252	CP1252	pt
15	SVE	ISO_8859-1	0	swedishx	SC35	CP1252	CP1252	sv
16	THA	ISO_8859-11	0	uni	SC00	CP874	UTF8	th
17	ZHS	GB2312	0	simrpcb	SC00	CP936	GB2312	zh-cn
18	ZHT	Big5	0	tradcb	SC00	CP950	Big5	zh-tw

Plug-in Name: PT_DIAGNOSTIC_PLUGIN
Description: PT Diag. Plug-In Test Cases

Purpose: This is a diagnostic to print out a listing of fields from records in your PeopleSoft database that matches search criteria. This diagnostic tests globalType and classType prompting. The global prompt is retrieved from inputs defined by a different class in this plug-in.

Additional Information

Enter Records to search for, beginning with: MAINT
Enter FieldNames to retrieve, beginning with: REL

The following values were retrieved:

Record: MAINTENANCE_LOQ has the following field that matches your criteria: RELEASEDTTM
Record: MAINTENANCE_LOQ has the following field that matches your criteria: RELEASSELABEL
Record: MAINTLOGREL_VW has the following field that matches your criteria: RELEASEDTTM
Record: MAINTLOGREL_VW has the following field that matches your criteria: RELEASSELABEL
Record: MAINTLOGSRCH_VW has the following field that matches your criteria: RELEASEDTTM
Record: MAINTLOGSRCH_VW has the following field that matches your criteria: RELEASSELABEL

OK

PeopleSoft Diagnostics page

Rowset information is presented on the page in tabular form, and nonrowset information is presented in list form. You can use your browser's Save As functionality to save the HTML page to your local machine.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Running Diagnostics with Diagnostic Framework," Obtaining Diagnostic Results

Send Functionality

When all of the diagnostic results have been gathered, they're disseminated based on the option you selected on the Launch Diagnostics page before launching the diagnostic.

Launch Diagnostics

Registered Plug-ins			
Select	Plug-in Name	Description	
1	<input checked="" type="checkbox"/>	QE_APP_PACKAGE	PT Diagnostic Plug-In Sample

Customize | Find | First 1 of 1 Last

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

Email report Display report in browser

Email From:

To:

CC:

Subject:

Launch Diagnostics page

If you select *Display report in browser*, the resulting diagnostic report appears in HTML format in a new browser window.

If you select *Email report*, you can then provide From, To, CC, and Subject information. The resulting diagnostic report is generated in both HTML and XML format on the local application server. The Diagnostic Framework send functionality then composes an email message, attaches both reports to the message, and sends it to the addresses you specified. After the email is sent, the generated file is then deleted from the application server.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Running Diagnostics with Diagnostic Framework," Obtaining Diagnostic Results

XML Output

If you specify that the results of a diagnostic should be emailed, Diagnostic Framework generates both HTML and XML versions of the report and attaches them to the email message. Having the output data in XML format enables PeopleSoft to build diagnostic data repositories for analysis and to highlight areas of improvement.

The XML output first contains user information similar to that captured in the HTML output, then it is organized in sections by plug-in, then by application class. Each answer returned by the application class is encapsulated in the Result element. The rowset results contain an element for each field returned, and the nonrowset results contain a description, the type of answer (that is, string, date, and so on), and the answer itself. Following is an example of diagnostic XML output:

```
<?xml version="1.0"?>
<PeopleSoftDiagnostics>
  <UserInformation>
    <Database_Name>QE845DVL</Database_Name>
    <User_ID>QEDMO</User_ID>
    <Date_Created>2004-01-30-16.04.54.000000</Date_Created>
    <Database_Type>MICROSFT</Database_Type>
  </UserInformation>
  <ApplicationDiagnostics>
    <PT_DIAGNOSTIC_PLUGIN>
      <GetLanguages>
        <Purpose>This is a diagnostic to determine all of the
languages installed in your PeopleSoft Database. This diagnostic
tests rowset functionality.</Purpose>
        <Result>
          <LANGUAGE_CD>CFR</LANGUAGE_CD>
          <CHARSET>ISO_8859-1</CHARSET>
          <INSTALLED>0</INSTALLED>
          <VERITY_LOCALE>frenchx</VERITY_LOCALE>
          <SCLANG>SC16</SCLANG>
          <WINDOWS_CHARSET>CP1252</WINDOWS_CHARSET>
          <VERITY_CHARSET>CP1252</VERITY_CHARSET>
          <ISO_LOCALE>fr-ca</ISO_LOCALE>
        </Result>
        <Result>
          <LANGUAGE_CD>ENG</LANGUAGE_CD>
          <CHARSET>ISO_8859-1</CHARSET>
          <INSTALLED>1</INSTALLED>
          <VERITY_LOCALE>englishx</VERITY_LOCALE>
          <SCLANG>SC00</SCLANG>
          <WINDOWS_CHARSET>CP1252</WINDOWS_CHARSET>
          <VERITY_CHARSET>CP1252</VERITY_CHARSET>
          <ISO_LOCALE>en</ISO_LOCALE>
        </Result>
      </GetLanguages>
      <GetRecFieldsBeginningWith>
        <Purpose>This is a diagnostic to print out a listing of
fields from records in your PeopleSoft database that matches
search criteria. This diagnostic tests global and class-level
prompting. The global prompt is retrieved from inputs defined by
a different class in this plug-in.</Purpose>
        <AdditionalInformation>
          <Question>Enter Records to search for, beginning
with:</Question>
          <Answer>MAINT</Answer>
        </AdditionalInformation>
        <AdditionalInformation>
          <Question>Enter FieldNames to retrieve, beginning
```

```

with:</Question>
    <Answer>REL</Answer>
</AdditionalInformation>
<Result>
    <Descr>Record: MAINTENANCE_LOG has the following
field that matches your criteria: </Descr>
    <Type>String</Type>
    <Answer>RELEASEDTTM</Answer>
</Result>
<Result>
    <Descr>Record: MAINTLOGREL_VW has the following
field that matches your criteria: </Descr>
    <Type>String</Type>
    <Answer>RELEASELABEL</Answer>
</Result>
</GetRecFieldsBeginningWith>
</PT_DIAGNOSTIC_PLUGIN>
</ApplicationDiagnostics>
</PeopleSoftDiagnostics>

```

Diagnostic PeopleCode

The PeopleCode with which you develop diagnostic plug-ins is considerably enhanced to support the new Diagnostic Framework features. The PTDiagnostics application class has been redesigned to provide a consistent interface to the new features.

You define diagnostic plug-ins using application classes, but you don't use them in the same way that other PeopleCode application classes are used:

- Diagnostic plug-in classes are instantiated only by Diagnostic Framework, and can't be called from any other location, including PeopleCode programs.
- Diagnostic plug-in classes must contain certain methods that are recognized and used by Diagnostic Framework.

Your plug-in must contain the following public methods:

IsPlugin	This method simply identifies the class as part of a diagnostic plug-in; it contains no executable code.
GetDiagnosticInfo	This method contains the primary code for running the diagnostic.

If you want your plug-in to prompt users for additional information, it must also contain the public method **GetDynamicPrompt**, in which you define the code for assembling the Additional Information page.

You extend the **PTDiagnostics** base application class to develop your diagnostic plug-in. You call its methods and properties from the plug-in constructor and the GetDiagnosticInfo and GetDynamicPrompt methods, to handle user input, define data structure, and format the output of the plug-in.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Running Diagnostics with Diagnostic Framework"

Enterprise PeopleTools 8.45 PeopleBook: Data Management, "Diagnostic PeopleCode"

Development Tools

This section covers the enhancements made to tools and utilities related to the development and customization of PeopleSoft applications in the following areas:

- Internet Technology
- PeopleCode
- PeopleSoft Application Designer
- PeopleSoft Application Engine
- Mobile Applications
- User Interface
- Global Technology
- Workflow Technology

PeopleSoft Internet Technology

This section discusses new and changed features for Enterprise PeopleTools 8.45 Internet Technology.

Portal Caching

Web Server-Based Navigation Caching

Web server-based navigation caching boosts performance considerably by automatically storing cached data on the web server as users select items from the navigation menu. This form of caching ultimately saves unnecessary calls to the application server.

The portal maintains a single cache for all users with a given combination of roles. If your user population has limited role combinations, your caching memory requirement is significantly reduced.

See *PeopleTools 8.45 PeopleBook: Internet Technology, "Using Portal Caching Features."*

Web Profiles

Cache Menu on Web Server

A new *Cache Menu* property has been added to the Web Server section of the Web Profile Caching page. Select to enable web server-based navigation caching.

Note. For the DEV and TEST web profiles, this property defaults to *True*. All other profiles, including those that are newly created, defaults to *False*.

See *PeopleTools 8.45 PeopleBook: Internet Technology, "Configuring the Portal Environment," Configuring Web Profiles.*

Custom Properties

The following table shows web profile properties that were previously listed as custom properties:

Custom Property Name	Category	Field Name
AllowUnRegisteredContent	Security	Allow Unregistered Content
authUserHttpInterval	Security	HTTP Session Inactivity
compressQuery	General	Compress Query
PPMMonitorBufferSize	General	PPM Monitor Buffer Size
statusBlockTimeout	Caching	State Discard Interval
TracePPMAgent	Debugging	Trace PPM Agent
viewFileTTL	Security	View File Time to Live

The following custom property has been added for this release:

Custom Property Name	Description
mutualAuth	<p>This property, although not displayed, controls whether your environment is set up for mutual authentication. The default setting for this property is <i>True</i>.</p> <p>Note. If you are using LDAP authentication you must use the default setting.</p> <p>If you are not using LDAP authentication a java exception error, caused by a failure to retrieve a certificate property, may appear in your webserver log. If this occurs you must change this property value to <i>False</i>. This will disable our authentication from trying to retrieve the certificate property.</p>

The following custom property is no longer used:

Custom Property Name	Description
checkStoredCookies	Specify if the portal should check for stored cookies.

See *PeopleTools 8.45 PeopleBook: Internet Technology, "Configuring the Portal Environment," Configuring Web Profiles.*

Caching - Cache Purge All Hit Count

To disable this feature, set the property value to *0*. Previously, the property value was *-1*.

Using Reverse Proxy Servers

To avoid configuration issues, you must specify all of the reverse proxy servers through which the portal can expect to retrieve content. This is done using the Web Profile Virtual Addressing page. For each reverse proxy server on the list, it's important to identify:

- The protocol to use.
- The server's host or machine name.
- The server's HTTP port number.
- The server's HTTPS port number.

See *PeopleTools 8.45 PeopleBook: Internet Technology*, "Configuring the Portal Environment," *Configuring Web Profiles*.

Upgrading to PeopleTools 8.45

Due to platform issues, when upgrading to PeopleTools 8.45, the Web Profile property, *Language Support*, will not be included. Therefore, if you made changes to the *Language Support* property in a previous release, when you upgrade to PeopleTools 8.45, the value of *Language Support* will be overridden with the default Web Profile property value.

Portal Security

Retrieving Secure Content

To retrieve HTTPS content (secure) in a HTML template or a HTTPS pagelet on a homepage, the HTTP portal (unsecured) acts as a proxy server and attempts to retrieve the content itself. Retrieving this content will compromise security and therefore will not be allowed. A *scheme mismatch* error will appear.

However, retrieving HTTPS content using a frame template is allowed as the HTTP portal instructs the Internet browser about the content and the browser will retrieve the information itself.

Deleting Nonexisting Roles and Permission Lists

When you move portal objects from one database to another, roles and permission lists assigned to folders and content references on the source database may not exist on the target database and therefore become invalid. Select the new *Delete Invalid Security* check box on the Portal Security Synchronization page to remove nonexisting roles and permission lists from folders and content references.

Note. When the *Delete Invalid Security* option is selected, the PeopleSoft Application Engine PORTAL_CSS process will run slower as it will check every role and permission list on every portal registry structure. When a nonexisting role or permission list is found, it is automatically removed from its definition table.

See *PeopleTools 8.45 PeopleBook: Internet Technology*, "Administering Portals," *Synchronizing Portal Object Security*.

Synchronizing Security for Worklists

Previously, users had to manually add any new permission lists to Worklist type content references to allow users to access the worklist menu & link.

When you selected *PeopleSoft Generic URL* as the URL type on the Content Reference page there was no way to input the component information. Without component information the system could not retrieve the permission list for the worklist component.

A new URL type "Worklist URL" has now been created to enable you to enter the required component information. This, in turn, will synchronize security. When selected you will need to identify the Portal URL using the following format:

```
w/WORKLIST?  
ICAction=ICViewWorklist&Menu=<menu  
name>&Market=<market>&PanelGroupName= <component name>
```

See *PeopleTools 8.45 PeopleBook: Internet Technology, "Administering Portals," Administering Content References*.

Portal Nodes

Restricting Portal Node Names to ASCII Characters

Node names can consist of any combination of letters, digits and underscores, but they must not contain any spaces or special characters.

Switching the Default Portal

A problem may occur when you try to switch the default portal in the situation where two portals are hosted on different local nodes. In this situation there can be many default portals specified, one for each local node. For example, on the FSDMO database, the EMPLOYEE portal is hosted on the QE_LOCAL node, while the CUSTOMER portal is hosted on the ERP node.

- As delivered, the FSDMO database has EMPLOYEE as the default portal on the QE_LOCAL node.
- When the default portal is changed to SUPPLIER, it's recorded on the QE_LOCAL node. (In PSMMSGNODEDEFN)
- When you log back into the system you are in the SUPPLIER node, but on the ERP node.
- When you attempt to change the default portal back to EMPLOYEE, the value is recorded for node ERP, not QE_LOCAL.

It appears that the portal only looks at the default local node definition when it decides to choose the portal to use. You have to edit the URL manually to get back into QE_LOCAL, where you can specify the desired default portal.

Browser Timeouts

Uploading Large Attachments

When a page is generated, the browser now issues timeout warnings every 20 minutes. If an attachment takes longer than 20 minutes to upload, a warning will be displayed, and the user is required to click the *OK* button to keep their session alive.

PeopleCode

This section covers the enhancements and changes related to PeopleCode.

Built-in Function Changes

The following are the changes to the built-in functions for Enterprise PeopleTools 8.45.

CommitWork Function

When `CommitWork` is called in the context of a component interface (such as, during a `SavePreChange` PeopleCode program that's associated with the component), if the caller of the component interface already has an open cursor (such as an active SQL object) the Commit does not take effect immediately, but only when the last cursor is closed.

Encrypt

The following section was added to the `Encrypt` function.

Size Considerations with Encrypt

The `Encrypt` function uses 56 bit DES. The size of the output string is grown to the nearest multiple of 8 bytes, encrypted (which doesn't modify the size), then encoded, which grows the resulting size to the next multiple of 3, then the system multiplies the size by 4/3. For example, a 20-character field is 40 bytes long (Unicode), which is an even multiple of 8. After it is encrypted, it is rounded up to 42 bytes (the next multiple of 3), and then multiplied by 4/3 to get 56 bytes.

GenerateComponentPortalURL Function

The following note was added to the **`GenerateComponentPortalURL`** function, to the Returns section:

Note. If the host node is local, then *Portal URI of host node* will always be the one you're currently logged in as.

All Local Nodes Work Around for the `GenerateComponentPortalURL` Function

If your system is running with all local nodes, that is, you have no enterprise portal, just a content database, the `GenerateComponentPortalURL` function generates URLs based on the current node the user is logged into. In order to generate the correct URLs, you need to do the following. This is a one-time workaround:

1. Create a remote node called `SUPPLIER_NODE`

2. Add the following Content URI Text to the node:

```
http://yyy.com/psc/ps/
```

3. Add the following for the Portal URI Text to the node:

```
http://yyy.com/psp/ps/
```

4. In PeopleCode, add the following. The variable &RemotePortalURL should contain the desired output:

```
&LocalNode = Node.ERP;
&MyCompURL = GenerateComponentPortalRelURL(Portal.SUPPLIER,
&LocalNode, MenuName.MAINTAIN_SECURITY, "GBL",
Component.CHANGE_PASSWORD, "", "");
&POS = Find(&LocalNode, &MyCompURL);
If &POS > 0 Then
    &CompURL = Substring(&MyCompURL, &POS, Len(&MyCompURL));
End-If;
/* find the remote node's PortalURI */
&NodeColl = %Session.GetNodes();
&RemoteNode = &NodeColl.ItemByName("SUPPLIER_NODE");
&RemotePortalURL = &RemoteNode.PortalURI | &CompURL;
/* RemotePortalURL should contain the desired output */
```

New Functions

- CopyFromJavaArray
- CopyToJavaArray
- TransferExact
- WriteToLog

Class Changes

This section covers the changes made to classes for Enterprise PeopleTools 8.45.

Application Classes

You can now declare protected methods and properties.

In addition, you can now declare a class as an Interface.

Chart Class

The following section was added to the Chart Class.

Bar Chart Considerations

If the bars on a bar chart are too narrow, a user may not be able to click them. Sometimes this affects a few bars on a chart, sometimes all of the bars cannot be clicked. The workaround is to put fewer bars on your chart, or to make your chart bigger, so that each bar is wider.

Exception Class

Added the AddContext optional parameter to the ToString method for the Exception class.

Added the new property StackTrace to the Exception class.

Field Class

The following new properties were added to the Field Class:

- DecimalPosition
- DisplayZero
- DisplayZeroChanged
- SmartZero

Java Class

There are two new built-ins for use with Java, CopyToJavaArray, and CopyFromJavaArray. These are for copying arrays of data between PeopleCode and Java.

The Java Runtime Engine (JRE) comes bundled with PeopleSoft for all but the z/OS platform. On that platform, you may have to install the JRE.

PortalRegistry Class

Role-based security is now supported through the RolePermissions classes.

Record Class

New parameters were added to the CopyFieldsTo record class method, for indicating whether or not to copy fields marked as unused using the SetDBFieldNotUsed function.

RowsetCache Class

The new RowsetCache class was added.

PeopleTools stores application data in a database cache to increase system performance. The RowsetCache class enables you to access this memory structure, created at runtime, and shared by all users.

SOAPDoc Class

The documentation for the AddEnvelope SOAPDoc method has been corrected. The %SOAP_NoSchema (3) is not a valid value for the *SOAP_Schema* parameter. The correct value is %SOAP_Custom (2).

Application Logging

You can now do application logging with PeopleTools.

Application logging enables you to do error logging using an independent application log fence mechanism, as well as being able to write to the PeopleTools log using the WriteToLog built-in function.

Note. This is an application log fence, and is distinct from the PeopleTool's LogFence setting.

The application log fence setting is available through the system variable %ApplicationLogFence.

Deprecated Classes, Methods, and Properties

Some collections, methods, and properties are no longer valid in the Tree class:

- Session class: FindTree, FindTreeStructure methods.
- Tree collection class: All the methods and properties of this class are no longer valid.
- Tree structure collection class: All the methods and properties of this class are no longer valid.
- Item branch collection method, and the First, Last, and Next branch collection properties.
- The tree class methods FindNextDisplayObject and FindNextDisplayObject.
- The tree class properties: CheckLeafUserData, DisplayLeaf, DisplayNode, IsReadOnly.

Debugging PeopleSoft Application Engine PeopleCode That Uses PeopleSoft API Objects

Application developers should be aware that PeopleSoft Application Engine may hang when the following conditions have been met:

- Application Engine is running in debug mode and the application developer is debugging Application Engine PeopleCode.
- The Application Engine step being debugged has a PeopleCode variable that refers to an instantiated PeopleCode API object.
- The instantiated PeopleCode API object has properties that are derived from a database (rather than derived from the data buffer).
- The application developer tries to check the values of these properties in PeopleCode or in the variables window (by expanding the collapsed API object).

Application developers may potentially work around this issue by using the CommitWork function in Application Engine PeopleCode to commit uncommitted high-level transactions.

Note. Application developers should only perform this workaround if they are sure they can safely commit uncommitted transactions, and not affect rollback.

PeopleSoft Application Designer

This section covers changes and enhancements for PeopleSoft Application Designer.

For the Enterprise PeopleTools 8.45 release, PeopleSoft Application Designer development focused on improving the performance and reliability of existing features as opposed to adding numerous new features.

Pages

The Record tab of the Image Properties dialog box used to contain the Scroll and Clip attributes. These attributes have been removed, as they are not used by PeopleSoft Pure Internet Architecture applications.

Command Line Parameters

Log File Parameter

You can now add a -LF parameter to the command line for pside.exe and specify the location of a log file. This parameter is valid when used in quiet mode (-QUIET).

Quiet Mode

The following issue has been reported: When running a command-line process without using the -QUIET parameter and an error occurs after pspj.dll unloads, the process ends prematurely.

To resolve this issue, PeopleSoft recommends that all command-line processes should be invoked using the -QUIET parameter, unless user interaction is required.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Application Designer*, "Using Command Line Parameters."

PeopleSoft Application Engine

This section covers the changes and enhancements for PeopleSoft Application Engine.

Restarting a Suspended Application Engine Program

PS_AE_RUN_CONTROL has been replaced by PS_AERUNCONTROL.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Application Engine, "Managing Application Engine Programs," *Restarting Application Engine Programs*

Data Transfer Process Between COBOL Programs and PeopleSoft Application Engine Programs

In Enterprise PeopleTools 8.45, PeopleSoft uses a file instead of a table to pass parameters from COBOL to the Application Engine programs. The location of this file depends on whether the root directory or output directory in the application server is defined.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Application Engine, "Calling Application Engine Programs from COBOL," *Adding Copybooks to COBOL Programs*

Mobile Applications

This section covers changes and enhancements for mobile applications.

PeopleSoft Mobile Agent received user experience enhancements that result in streamlined application navigation. These enhancements help to reduce user click counts within mobile applications.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Mobile Agent

Transfer Between Mobile Components

A new navigation aid has been added to mobile pages to enable you to transfer between components. The Go To drop-down list box shows a list of the different components that you have viewed. Simply select a component from the Go To list rather than use the standard navigation menu or the back button.

Calendar Prompt on Date Fields

This enhancement adds the option to add a calendar prompt to any search prompt that is based on a date field.

Render as Drop-Down List Option

This enhancement gives developers the ability to create a drop-down list box instead of the standard prompt list prompt for any reference.

Edit in List View

Developers can now use the Edit in List View option to enable users to add rows and create edits directly in the table.

Suppress List Header Option

A new option has been added to the Mobile Page Collections Property dialog box enabling developers to hide the list view header on a mobile page when necessary for usability purposes. The list view header sits on top of a list view and allows the user to navigate to the next group of items in a list view, view all items, or go to the last group of items in a list view.

User Interface

Included in this PeopleTools release is a set of user interface changes resulting in minor improvements to basic user interaction with specific user interface elements and in the fit-and-finish of the user interface. Cumulatively, these changes have had a positive effect on the user experience measured during usability testing.

These usability enhancements include:

- Simplified calendar usage.
- Additional "Add to Favorites" Location.

- Enable Mobile Users to Add and Edit Rows from a Grid.
- Enhanced search pages.
- Signing out.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Using PeopleSoft Applications

Simplified Calendar Usage

When using the calendar control and the end user clicks Current Date the system automatically populates the associated date field with the value of the current date.

In previous releases, the calendar control brought the user to the current year, month, and date where the end user was required to select the appropriate date physically.

Additional “Add to Favorites” Location

There are now two locations for adding pages to the My Favorites menu. In previous releases, users added items to their “favorites” list using the Add to Favorites link on the Universal Navigation Header. This link takes the user to the Add to Favorites page:



Universal Navigation Header

With Enterprise PeopleTools 8.45, there is an additional way to arrive at the Add to Favorites page. Beneath the My Favorites menu item, there is now an Add to Favorites link:



Additional Add to Favorites Link Beneath My Favorites menu item

Enable Mobile Users to Add and Edit Rows from a Grid

You now have the option to allow your mobile end users to add and edit rows directly from a grid. A new option now exists on the Mobile Page Collection Properties dialog box named Edit in List View. It enables end users to add rows and create edits directly in the table.

Enhanced Search Pages

Case Sensitive Check Box

Select to use the case-sensitive search option for descriptions.

This option is not used for key fields, which PeopleSoft automatically changes to upper case.

Maintaining Field Selections on Search Pages

On a search page with fields that have drop-down lists as labels, when users enter a value in a search field and then change that field's label using the drop-down list, the entered value appears in the new field when the page refreshes.

Signing Out

Signing Out

To ensure data security in environments where multiple users have access to the same workstation, it is recommended that users close the browser after logging out of PeopleSoft.

Signing Out Using a New Window

When a user opens a window from within an application and then signs out from there, PeopleSoft must sign out from the application for security reasons. To remain signed in to the application, you can just close the new window.

PeopleSoft Global Technology

This section covers changes and enhancements for PeopleSoft Global Technology.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Global Technology

Support for Unicode 3.0 on DB2 UDB for OS/390 and z/OS

This release supports Unicode 3.0 on a DB2 UDB for OS/390 and z/OS database. This enables you to store all PeopleSoft-supported languages in one database; all characters supported by Unicode 3.0 are supported in a Unicode DB2 UDB for OS/390 and z/OS database.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Global Technology, "Selecting and Configuring Character Sets and Language Input and Output," The Unicode Standard

SQR Support for CCSID935 and CCSID937 Character Set Encodings

In this release, SQR supports the CCSID935 (Simplified Chinese) and CCSID937 (Traditional Chinese) character set encodings.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Global Technology, "Understanding Global Reporting and Data Analysis Tools," SQR for PeopleSoft-Supported Character Set Encodings

SQR Output HTML in UTF-8

In this release, HTML output from SQR is always encoded in UTF-8 rather than the language-specific character set specified as the ENCODING or ENCODING-REPORT-OUTPUT parameter in the initialization file. UTF-8 is a Unicode-based encoding, which provides better internationalization support for HTML output from SQR.

Known Issues

This section discusses known issues related to the area of global technology.

Special Characters Not Correctly Displayed When Using Grid Download Button

If you plan to download a grid to Microsoft Excel 97, and you want to use the character set defined in the user language—that is, you want to use a character set other than the default UTF-8 character set—then you must select the **EXCEL97** option on the Define Personalizations page and set its option value to **Y**. This option is recommended only for non-English users who use Excel 97. It is not recommended for Excel 2000 and above.

Verity 5.0 Japan User Dictionaries

Whenever you modify a Verity user dictionary, you must reboot the application server for the modification to take effect.

Verity 5.0 user dictionaries are discussed in *PeopleTools 8.45 PeopleBook: Verity Locale Configuration Guide V5.0 for PeopleSoft*, Using Locales, Configuring Verity Locales, Customizing Word Decomposition in Japanese.

Invalid Characters Treated as Wildcards in Verity Searches

If a Verity search string contains a character that is invalid for the current Verity locale, the character will be converted to a "?" character and act as a wildcard in the search. PeopleSoft recommends that you use only characters that are valid for the current Verity locale in your search strings.

Workflow Technology

The following change affects Workflow Technology.

Downloading Worklists to Excel

The URL/ID field in the worklist grid is an HTML area that cannot be sorted and will not download into an Excel spreadsheet.

Integration Tools

This section covers the enhancements made to tools and utilities related to integrating PeopleSoft and third party systems in the following areas:

- PeopleSoft Integration Broker
- Integration Testing Utilities and Tools

- PeopleSoft Component Interfaces
- PeopleSoft Business Interlinks

PeopleSoft Integration Broker

This section covers the changes and enhancements for PeopleSoft Integration Broker.

Node Definitions

This section discusses updates related to node definitions.

Node Definitions Component User Interface Changes

The Node Info tab has been renamed to Node Definitions. The fields on this tab have been rearranged.

Naming Nodes

Node names must begin with a character.

Deleting Nodes

You cannot delete a node that hosts a portal. As a result, the Delete Node button is hidden on a node definition if the node hosts a portal.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker*, "Configuring Nodes and Transactions," Configuring Nodes.

Third-Party Integrations Using WSDL

This section covers updates in the area of WSDL integration.

ERP Connectors

- Actional Corporation, the third-party vendor that provided the ERP connectors for PeopleTools 8.44, has been acquired by iWay Corporation.

Although the functionality of the connectors remains the same, PeopleTools 8.45 references to Actional Corporation and Actional SOAPswitch have been replaced with iWay Corporation and iWay SOAPswitch.

- The ability to create integrations from Oracle to PeopleSoft is now supported. See the iWay SOAPswitch Oracle Adapter guide for additional information.

Creating Web Services

When you create a web service, you connect in real time to SAP and Siebel systems to browse and choose data. On an Oracle system you browse and choose data from static interface tables, and connect to the system when you publish the service. If the Oracle system is not available when you attempt to publish the service, the system hangs and no error or warning message displays. However, a message is logged in the SOAPswitch error log.

Creating Transactions After Importing WSDL

If the local integration gateway URL does not match the iWay SOAPswitch destination URL and you attempt to create a transaction after importing WSDL into PeopleSoft, the following message displays.



There should be a space between the words "destination" and "http." There should also be a space between the words "connector" and "for."

Creating Destination Definitions

When you create a destination definition, the name you enter in the Name field must be the same as the machine name on which the integration gateway resides. For example:

`machine051504`

In addition, the URL you enter in the URL field must be the same as the integration gateway URL specified on the Gateways page—with the exception that the URL you enter in the destination definition is appended with the HTTP listening connector. For example, if the URL specified on the Gateways page is:

<http://machine051504/PSIGW/PeopleSoftListeningConnector>

then the URL that you enter in the destination definition is:

<http://machine051304/PSIGW/HTTPListingConnector>

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker*, "Creating Third-Party Integrations Using WSDL"

Integration Broker Monitor

Statistics Pages Enhancements

A Message Search Criteria dialog box has been added to each statistics page. Use the dialog box to search and filter data that displays.

You can search by the following criteria:

- Publish node.
- Channel name (asynchronous transactions only).
- Message name.
- Messages to which you have published or subscribed in the X number of days, hours or minutes.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker, "Using Integration Broker Monitor," Viewing Messaging System Performance Statistics*

Message Details Page Changes

Search Options Enhancements and Changes

A new search option, Last Update Date/Time, has been added that returns message based on the date and time they were updated.

In addition, the Publication Identifier search option now returns results in descending order, so that the most recently published messages display first.

Message Details page search options are available when accessing the page through the portal menu option, PeopleTools, Integration Broker, Monitor, Message Details.

Access to IBInfo Data

The Message Details tab features links to IBInfo for the message instance and for the publication contracts.

Message Error Explanation

The Publication Contract Errors and Subscription Contract Errors sections of the Message Errors tab feature a new Explanation column that provides explanations errors.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker, "Using Integration Broker Monitor," Monitoring Asynchronous Message Details"*

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker, "Using Integration Broker Monitor," Viewing Synchronous Message Details"*

Error Notification Changes

The Error Notification page features a new URL field, where you can enter the PeopleSoft Pure Internet Architecture URL to provide for error notification by means of email. The URL of the current web server is populated in this field by default.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker, "Using Integration Broker Monitor," Running Batch Error Notification Processes*

Integration Point Viewer

Accessing Messages Based on Node and Transaction Type

When you choose an integration point to view, you specify parameters such as the sending node, transaction type, request message, and so on. With this PeopleTools release, when you use the Lookup button to select a request message, the Integration Point Viewer lists messages to select based on the node and transaction type selected. In previous releases all messages from the Message table displayed when you clicked the Lookup button.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker, "Using the Integration Point Viewer," Accessing Integrations*

Integration Point Wizard

Specify Transaction Properties Pages Changes

The Specify Transaction Properties pages have been consolidated to one page, where you can specify routing, logging (synchronous transactions only), connector, and connector property overrides.

In addition, the behavior of the Cancel button on this page has changed. In prior releases, clicking the Cancel button cleared any connector and connector property overrides previously entered and save. Beginning with this release, when you click the Cancel button you exit the page without saving any new changes or clearing any previously saved entries.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker*, "Using the Integration Point Wizard," Specifying Receiver Message Information, Specifying Transaction Properties

Gateways Component User Interface Changes

The Load button that loads the default target connectors into the integration gateway has been changed to Load Gateway Connectors.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker*, "Managing the Integration Gateway," Administering Integration Gateway, Registering Installed Target Connectors

Messaging PeopleCode

OnSend Event

If a publication contract fails as a result of using the OnSend event to override connector properties at runtime, correct the PeopleCode in the OnSend event and resubmit the message

%HTTPProperty and %HTTPHeader Values Replaced

Values for the Type parameter of the AddConnectorProperties method have been replaced.

The Type parameter values %HTTPProperty and %HTTPHeader have been replaced with %Property and %Header, respectively.

You can use the new values when working with the properties of any connector.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleCode API Reference*, "Message Class"

Known Issues and Workarounds

This section discusses any known issues related to PeopleSoft Integration Broker and the workarounds for the known issues.

Third-Party Integrations Using WSDL

Notification Republish Fails to Update SOAPAction

When attempting to republish a notification to PeopleSoft from iWay SOAPswitch using a function call, the SOAPAction is not updated. Notification republishes from the user interface function properly.

Use the following workaround to update the SOAPAction when republishing a notification from a function call.

To change or update a SOAPAction for a notification after the initial publish:

1. In the iWay SOAPSwitch console, navigate to the notification to change or update.
2. Select the Destination tab.
3. Click the Next button.
A SOAPAction edit box appears.
4. Modify the SOAPAction as needed.
5. Click the Publish button to republish the WSDL to PeopleSoft.

iWay SOAPSwitch Audit Log Shows HTTP Protocol When Working with HTTPS Transactions

The protocol field in the iWay SOAPswitch audit log sometimes displays HTTP instead of HTTPS when working with HTTPS transactions.

Deleting a Node Transaction Also Deletes the Relationship

Node transactions and relationships are effective dated.

If you delete a node transaction, the relationship (which is in essence a child of the node transaction) also gets deleted without regard to effective date.

Because of different effective dates, attempting to determine which effective dated rows for the child (relationship) is difficult because of the different effective dates and depends on when the effective-dated rows were created and with what intention.

As a workaround, create another relationship for what is now the valid transaction.

Trace Files Continuously Generated Connecting to SAP in Linux Environment

When you create a web service from SAP in Linux environments, if you set SAP tracing to OFF, SAP continues to generate trace files if you cannot connect to SAP, which results in numerous trace files being generated on a failed connection. You have only to register a program (in this case iWay SOAPswitch) if you want to perform an SAP outbound call, where SAP is the client and SOAPswitch is the server.

Integration Testing Utilities and Tools

The *PeopleSoft Integration Testing Utilities and Tools PeopleBook* is a new book for the Enterprise PeopleTools 8.45 release, and is composed of the following chapters from the *PeopleSoft Integration Broker PeopleBook*:

- “Using the Send Master Utility”
- “Using the Simple Post Utility”
- “Using Automated EIP Testing”

Simple Post Utility

New Parameters

The following parameters have been added to the Simple Post utility:

Parameter	Description
<code>-pwd</code>	(Optional) Identifies the password for the destination node. This parameter is optional, unless the destination node requires a password.
<code>-ou</code>	(Optional) Identifies the ID of the originating user.
<code>-on</code>	(Optional) Identifies the name of the originating node.
<code>-op</code>	(Optional) Identifies the name of the originating process.
<code>-fdn</code>	(Optional) Identifies the name of the final destination node.
<code>-nr</code>	(Optional) Specifies whether to turn on nonrepudiation. The valid values are: Y: Turn on nonrepudiation. N: Turn off nonrepudiation. (Default)
<code>-h</code>	<p>(Optional). Specifies an HTTP header. For example:</p> <pre>SOAPAction: #MsgNm#RqNde#RqNdePwd#DstNde</pre> <p>There can be one:many <code>-h</code> parameter invocations. For example:</p> <pre>com.peoplesoft.pt.simplepost.SimplePost -reqnode QE_UNDERDOG -msgname QE_SYNC_MSG -url "http://jfranco040303/PSIGW/HttpListeningConnector" -infile "C:\UserMy DocumentsQE_SYNC_MSGQE_SYNC_MSG.xml" -outfile "C:\Documents and SettingsDesktopout.txt" -h "SOAPAction: #QE_SYNC_MSG#QE_UNDERDOG##QE_LOCAL" -h "test2: Joe_User"</pre> <p>Note: When Simple Post encounters an HTTP header name of SOAPAction, the content of the input file is not wrapped into IBRequest XML format and no IBInfo data is built. The IBInfo data, such as message name, requesting node, requesting node password, destination node, and so on, can be pulled from the SOAPAction field.</p>

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Testing Utilities and Tools, "Using the Simple Post Utility," Using the Simple Post Class

Third-Party Messaging and Transformation Appendix

A new appendix has been added to the chapter called "Using Send Master to Test Third-Party Messaging and Transform Legacy System Data."

The appendix provides a walk-through example of using Send Master to simulate a legacy system sending data in comma separated value (CSV) format into PeopleSoft Integration Broker. In working through the example, you use nodes, messages, PeopleCode and other integration metadata provided in a PeopleSoft Application Designer project that ships with PeopleTools 8.45.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Testing Utilities and Tools, "Using the Simple Post Utility," Using Send Master to Test Third-Party Messaging and Transform Legacy System Data

Known Issues and Workarounds

This section discusses any known issues and the workaround for the known issues.

EIP Test Automation: Message Export Command Line Fails

If you use the Message Export command line tool, the export will fail if the input directory contains any files with a file size of zero.

PeopleSoft Component Interfaces

This section covers changes and enhancements for PeopleSoft Component Interfaces.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Component Interfaces

Excel to Component Interfaces Utility Software Requirements

This utility is available only for Microsoft Office 2000 and specifically needs the Microsoft XML parser, msxml4.dll. Some applications have been known to overwrite previous versions of this file with another version, occasionally causing the utility not to function properly. You should use MSXML version 4, Service Pack 2, because it can coexist with older versions of the parser. You can download and reinstall MSXML from the Microsoft website.

The Excel to Component Interface utility requires the Visual Basic 6.0 SP5: Runtime Redistribution Pack and MSXML (Microsoft XML Parser) 4.0 Service Pack 2.

PeopleSoft Business Interlinks

PeopleSoft Business Interlinks is a deprecated product. Support will be maintained for this product, but no new development will be produced for PeopleSoft Business Interlinks. Documentation for PeopleSoft Business Interlinks will not be published in future releases beginning with PeopleTools 8.45.

PeopleSoft advises that you use PeopleSoft Integration Broker's synchronous request and response functionality in place of PeopleSoft Business Interlinks.

Decision Support and Reporting Tools

This section covers the enhancements made to tools and utilities related to decision support applications in the following areas:

- PeopleSoft Tree Manager
- PeopleSoft Query
- PS/nVision
- SQR for PeopleSoft
- Crystal Reports for PeopleSoft
- PeopleSoft Optimization Framework

PeopleSoft Tree Manager

This section covers changes and enhancements for PeopleSoft Tree Manager.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Tree Manager

Debugging PeopleSoft Application Engine PeopleCode That Uses PeopleSoft API Objects

PeopleSoft Application Engine may hang in certain situations when using PeopleSoft API objects.

See *Release Notes for Enterprise PeopleTools 8.45*, "PeopleCode," [Debugging PeopleSoft Application Engine PeopleCode That Uses PeopleSoft API Objects](#)

Using the TreeDetailInNode Function

If using PeopleCode built-in functions, you should be aware that the TreeDetailInNode function is not compatible with PeopleSoft Pure Internet Architecture. However, this function is still available for use with the PeopleSoft Tree Manager Windows client, existing in the 8.1 product line.

An equivalent PeopleCode tree class method or built-in function for PeopleSoft Internet Architecture does not exist; however, application developers may achieve the same functionality using the tree classes.

Checking Out Branched Trees in the Multiuser Environment

In the PeopleSoft Tree Manager 8.45 multiuser environment, a user may not check out a tree branch if another user working with a different branch of the same tree has modified the tree definition and either *has* or *has not* saved the changes.

A user modifies the tree definition when he or she modifies any of the following parameters:

- Number of levels in the tree.
- Tree key data.
- Tree description.
- Tree category.
- Use of levels.
- Performance options.
- Status.

Note. If users edit specific branches *without* modifying the tree definition, other users may still edit different branches of the same tree at the same time.

Selecting Performance Options for Winter Trees

The Use Literal Values access method is not available for winter trees.

Checking the Run Status of TreeMover Processes

After importing or exporting PeopleSoft 8 trees using the TreeMover Application Engine program, you should check the run status in the Process Monitor. If the run status for your process appears as *Warning* or *No Success*, you should review the message log for details. You should also review the TreeMover log for additional information not provided by the message log.

See *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Tree Manager, Using TreeMover, Importing and Exporting PeopleSoft 8 Trees, "Understanding TreeMover and PeopleSoft 8 Trees."*

Decreased Lockout Time When Importing Trees

With the Enterprise PeopleTools 8.45 release of PeopleSoft Tree Manager, users will be locked out of the PeopleSoft system during the tree import process for a shorter period of time as compared to earlier releases of PeopleSoft Tree Manager.

No Risk in Importing Over Preexisting Trees

In previous releases of PeopleSoft Tree Manager, if you selected the Replace Tree if Exists option to import a new tree over a preexisting tree, you may have lost your original tree if the import file was corrupted. With the Enterprise PeopleTools 8.45 release of PeopleSoft Tree Manager, you will not lose your original tree in a similar situation.

Revised Menu Items and Navigation in Portals

In PeopleTools 8.45, the placement and names of some of the PeopleSoft Tree Manager menu items have been revised in all portals *except* the Employee portal. With these changes, the placement and names of PeopleSoft Tree Manager menu items are now identical in *all* delivered portals.

Tree Audit Reports Link Has Been Renamed

In PeopleSoft Tree Manager 8.45, the Tree Audit Reports link, which navigates to the Batch Report page, has been renamed *Repair Tree Reports*.

PeopleSoft Query

This section covers the changes and enhancements for PeopleSoft Query.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query

Prompt Table Security Feature

Prior to Enterprise PeopleTools 8.45, any table in the database could be used as a prompt table for a prompt in PeopleSoft Query. PeopleSoft 8.45 allows administrators to limit the records allowed to be used as prompt tables in query.

PeopleSoft has added a switch to be able to restrict the prompt tables allowed in a query to those that are in a user's query access list only.

Note. Once the prompt table security switch is enabled, users may lose access to some or all queries because they do not have the prompt tables for those queries in their query access list trees.

Users should note the following:

- The prompt table security feature must be turned on or off for each database. By default, prompt table security is *off*.
- To turn on prompt table security, run the following SQL statement:

```
INSERT INTO PSVERSION (OBJECTTYPE,VERSION) VALUES
('QRYPRSEC',1)
```

Before turning on prompt table security, consider the following:

- Prompt table records must be in a user's query access list in order to be able to run the query.

- If a user tries to run a query that contains prompts to which they do not have access, an error message will appear.
- You will only be allowed to use the tables in the user's query access list as prompt tables for creating or editing prompts.
- Dynamic views will no longer be allowed to be used as prompt tables, even if they are in the user's access list.
- Existing queries containing prompts which use dynamic views will still be runnable, as long as those dynamic views are in the user's query access list.
- Adding a prompt table to a user's access list will give that user full rights to query the contents of that table.

Consider this before adding all prompt tables to a user's query access list.

- To turn off prompt table security, run the following SQL statement:

```
DELETE FROM PSVERSION WHERE OBJECTTYPE='QRYPRSEC'
```

New Pages for Sort Order and Column Order

In PeopleSoft Query 8.45, the Edit Field Ordering page, which was used to change the column order and/or sort order for multiple fields, has been replaced by these pages:

- Edit Field Column Order
- Edit Field Sort Order

You can access these pages by clicking either the **Column Order** or **Sort Order** buttons on the Fields page.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query, "Creating and Running Simple Queries," Changing the Column Order for Multiple Fields

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query, "Creating and Running Simple Queries," Changing the Sort Order for Multiple Fields

Performing Lookups While Creating Criteria

PeopleSoft has enhanced the procedure for selecting values when creating criteria that use the Constant expression type or In List condition type. In PeopleSoft Query 8.45, you will be required to use the prompt function instead of the standard Search function to select values for these criteria. This enhancement will reduce the possibility of needing to manually search through identical values and also resolves issues related to row level security, effective dating, dynamic views, high order key lookups and incorrect row counts.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query, "Defining Selection Criteria"

Enabling or Disabling the Query Statistics Feature in Query Administration

PeopleSoft Query 8.45 allows administrators to enable or disable query statistics on a system wide basis.

Note. PeopleSoft recommends that you only use the query statistics feature for the purposes of analysis. Do not leave the query statistics feature enabled on an ongoing basis. When this feature is enabled, performance may be compromised and the system may have an increased possibility of query timeouts or may return query results with zero values. PeopleSoft also offers this recommendation to users of queries in reports.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query, Query Administration, "Setting Additional Options."

Scheduling an Asian Language Query

When using the Schedule Query page in PeopleTools Query 8.45, if you have one or more Asian languages installed you can select the desired language for the query using the Asian Font drop-down list box. This drop-down list box appears *only* if you have one or more Asian languages installed.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Query, Modifying, Scheduling, and Organizing Queries, "Setting Additional Options"

Killing Queries from Applications Using DB2 UDB for Linux, UNIX, and Windows

Administrators should be aware of the following bug if they administer applications that employ Query Manager 8.44 or 8.45 using any version of DB2 UDB for Linux, UNIX, and Windows as a back-end database:

Applications will not be able to successfully cancel currently running queries using Query Manager's Kill Query feature.

Note. If this problem affects your system, you can install a DB2 UDB fix from IBM, to be provided by PeopleSoft. When it's available, you'll find information about this fix in the form of a "Required for Install or Upgrade" incident in the Updates and Fixes section of the PeopleSoft Customer Connection website. If your PeopleSoft application server is installed on the same machine as the database server, pay particular attention to the instructions covering database connectivity.

See Also

Release Notes for Enterprise PeopleTools 8.45: PeopleTools 8.45 Enhancements, Data Management, "[Terminating Processes on Systems Using DB2 LUW](#)."

PS/nVision

This section covers changes and enhancements for PS/nVision.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PS/nVision

Refinement of Unattended Dialog Box Dismissal Feature

In PS/nVision 8.44, the Dismiss Dialog feature sometimes failed to dismiss unattended dialog boxes when the Tuxedo mode was noninteractive or network account. In PS/nVision 8.45, this issue has been resolved.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PS/nVision, "Advanced PS/nVision Options," Dismissing Unattended Dialogs

Excel Macro for Updating Drill-Down Links After Upgrade

A PeopleTools upgrade may cause the web server domain name, port number, or servlet path required to access web server resources in the PeopleSoft Pure Internet Architecture to change. As a result, PS/nVision drill-down operations on reports that were created prior to upgrade would fail. This is primarily because drill-down links are, by design, hard-coded into PS/nVision reports. We have provided a simple search and replace utility that you can use to replace old links with new ones.

This Microsoft Excel macro is named UpdateNvsDrill.xls, and it is located in the PS_HOME\nVision directory.

PeopleSoft-Defined Excel Name for Skipping nPlosion Style Sheet Formatting for Detail Cells

By default, PS/nVision nPlosion style sheets override any manual Excel formatting of nPloded detail rows or columns in report layouts. If you want nPloded details to appear in the format that you applied from the Excel menu bar rather than from an applied nPlosion style sheet, you must define the new name *NvsSkipDetailStyles* using the Define Name dialog box (Insert, Name, Define from the Excel menu bar), entering the value =1 in the Refers to field.

Known Issues

Drilling Down on Reports Run to File Output

You can drill down on PS/nVision reports that have been output to a file and that you open locally, rather than from Report Manager. But if you are not logged on to a PeopleSoft domain—or the PeopleSoft web server domain that you are logged on to is not the report server's web server domain—and your BypassSignon configuration property is set to *True*, then you will not be able to access the drill-down results. The system will return the signon page with an error message indicating that your default password is not authorized.

Tree Performance Option: Suppress Join - Use Literal Values

The Suppress join; use literal values option on the Tree Performance tab in the Layout Options dialog box is not available for winter trees.

Restarting PS/nVision from Applications Using DB2 UDB for Linux, UNIX, and Windows

Administrators should be aware that DB2 LUW cannot process requests to cancel currently running PS/nVision reports. If you have enabled Process Scheduler to attempt a restart of a PS/nVision report that has gone to *No Success*, the back end database will not process the cancellation request. IBM is targeting a resolution for this DB2 LUW issue for inclusion in its Fixpack 6 for DB2 LUW v.8.1.

Note. If this problem affects your system, you can install a DB2 UDB fix from IBM, to be provided by PeopleSoft. When it's available, you'll find information about this fix in the form of a "Required for Install or Upgrade" incident in the Updates and Fixes section of the PeopleSoft Customer Connection website. If your PeopleSoft application server is installed on the same machine as the database server, pay particular attention to the instructions covering database connectivity.

See Data Management, "[Terminating Processes on Systems Using DB2 LUW.](#)"

SQR for PeopleSoft

This section covers the changes and enhancements for SQR for PeopleSoft.

See Also

Enterprise PeopleTools 8.45 PeopleBook: SQR Language Reference for PeopleSoft

Enterprise PeopleTools 8.45 PeopleBook: SQR for PeopleSoft Developers

TrueType Fonts

TrueType font embedding is now supported by SQR running on z/OS. However, the Font Path parameter under the TrueType Font section is not supported for z/OS. If you're on z/OS, you need to specify the full path to each entry.

See Also

Enterprise PeopleTools 8.45 PeopleBook: SQR Language Reference for PeopleSoft, "Using the PSSQR.INI File and PSSQR Command Line," TrueType Fonts Section

Configurable Space Allocation for Datasets on z/OS

SQR for PeopleSoft now supports configurable space allocation for datasets on the z/OS platform. The space allocation can be defined at the process level. (Note that you can only use the TRK and CYL values.) For example, you can enter a setting to allocate 100 cylinders for a large report, as shown here:

Choose PeopleTools, Process Scheduler, Processes, [process], OS390 Option.

[Destination](#)
[Page Transfer](#)
[Notification](#)
[Message](#)
OS390 Option
[URL Links](#)

Process Type: SQR Report
Name: XRFFLPN

OS390

Meta String Parameters Used for Constructing JCL

Meta Parameter	Meta Parm Value
SPFSPACE	ENVAR("SPACE=CYL,100,10")

You need to modify the SQR JCL template files as well. Go to `<PS_HOME>/appserv/prcs/<DB>/shelljcl/shelsqrf.jct`. In the section shown here, modify the PARMs line like this:

```
//SYSTSIN DD *
DSN SYSTEM(%DB2SUB%)
RUN PROG (SQR) -
PLAN (SQR845B1) -
LIB ('QA.FS845B1.SQR.UNICODE.LOAD') -
PARMS ('%SPFSPACE% / -
%SQRFLAGS%
END
//*
```

You may also need to modify the `shelsqROUTP.jct` and `shelsqROUTS.jct` files, which serve allocation functions for partitioned and sequential datasets, respectively. Also you can finetune these space allocations in the `shelsqrf.jct` by using additional Meta String Parameters in the SQRROUT DD card.

Note. You need to reboot the Process Scheduler for the new settings to take effect.

Support for Charting in SQR

PeopleTools 8.45 does *not* support charting in SQR on the HP Itanium Platform.

Running Multiple Reports

When running an SQR that creates multiple reports, you may receive the following error message:

```
(SQR 4700) Cannot open the program file: '4.sqr'
```

This is a known issue: When `pssqr` creates the command line to launch `sqr`, it uses the `-F` flag for each report created. This may cause the length of the resulting command line to exceed the limit imposed by the operating system. The workaround is to modify the SQR to create fewer reports. If necessary, you can run several SQR's to create the required number of reports.

Understanding the -TB Command-Line Flag

The -TB flag only has an effect if SQR is connecting to either a DB2, Sybase CT LIB, or ODBC (MSS) database. The behavior of the -TB command-line flag varies depending on your platform.

If you are using one of the above-mentioned databases and are running SQR on z/OS, the -TB flag will behave as follows:

- If you do not use the -TB flag, trailing blanks **are** trimmed.
- If you do use the -TB flag, trailing blanks are **not** trimmed.

If you are running SQR on any other platform, the behavior of -TB is the opposite:

- If you do not use the -TB flag, trailing blanks are **not** trimmed.
- If you do use the -TB flag, trailing blanks **are** trimmed.

Crystal Reports for PeopleSoft

This section covers the changes and enhancements for Crystal Reports for PeopleSoft.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Crystal Reports for PeopleSoft

Running the APY6011 Report Through Process Scheduler

At this time you cannot run the Crystal 8.5 version of the APY6011 report through Process Scheduler using PeopleTools 8.45 and Crystal 9. PeopleSoft has created a new Crystal 9 version of this report, which you *can* run through Process Scheduler using PeopleTools 8.45 and Crystal 9.

Avoid Passing Null Values in Crystal 9

Crystal 9 can be more particular than Crystal 8.5 about null values being passed to its in-built functions. To prevent errors occurring in formulas, check that the values you are passing are not null. For example, instead of

```
compare = toText({CUSTOMER_SALES.END_DATE});
```

Use

```
if (IsNull({CUSTOMER_SALES.END_DATE}))  
then chooseDate := "";  
else  
chooseDate := {CUSTOMER_SALES.END_DATE};
```

Crystal 9.0 Reports in PDF Format Issues

In some cases with Crystal 9.0, PDF output produces extra pages containing column or page headings.

To resolve Crystal Reports PDF output issues:

1. Open the report in Crystal Reports 9.0.
2. In the Design tab, change the zoom to 25%.
3. If you notice any fields outside of the report layout:
 - a. Select Format, Auto-Arrange Report to bring those fields into the report layout.
 - b. Rearrange/remove the fields to achieve the desired report layout.

PeopleSoft Optimization Framework

This section covers enhancements for the PeopleSoft Optimization Framework.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Optimization Framework

New Optimization Interface Method

The IsModelActive method was added to the OptInterface class.

PeopleBook Updates

This section discusses notable changes that have been made to PeopleBooks for this release in these areas:

- Getting Started with Enterprise PeopleTools.
- Getting Started chapters.
- System and Server Administration.
- Data Management.
- PeopleCode.
- PeopleSoft Integration Broker.
- PeopleSoft Application Engine.
- PeopleSoft Process Scheduler.

Getting Started with Enterprise PeopleTools

Enterprise PeopleTools documentation includes a new PeopleBook titled *Getting Started with Enterprise PeopleTools*. The audience of this PeopleBook is those who are unfamiliar with Enterprise PeopleTools, which could include developers, system administrators, as well as executives.

Getting Started with Enterprise PeopleTools briefly introduces the main tools, utilities, and technologies included in Enterprise PeopleTools. The tools are placed into four categories:

- Administration tools.
- Development tools.
- Integration tools.
- Reporting and decision support tools.

These categories help to create a context for achieving a better understanding of the purpose and use of each type of tool or technology. In addition to the categories, the document presents a sample set of implementation phases and discusses which tools would be used within each phase.

See Also

Enterprise PeopleTools 8.45 PeopleBook: Getting Started with Enterprise PeopleTools

Getting Started Chapters

Most of the PeopleBooks for Enterprise PeopleTools now include "Getting Started" chapters. These chapters provide a variety of information, such as an overview of the product, implementation options, or any prerequisites that you may need to have in place, such as security permissions, before using a particular tool. Because the tools and technologies can be very different, the "Getting Started" chapter content and approach is slightly different per PeopleBook, however, each is designed to introduce a specific tool and help you to use it as quickly as possible.

System and Server Administration

This section discusses changes that were made to the System and Server Administration documentation.

PeopleBook Reorganization

The *PeopleTools 8.44 Server Tools PeopleBook* and the *PeopleTools 8.44 Data Administration Tools PeopleBook* have been renamed, reorganized, and content has been redistributed between the two books to make it more consistent with the focus of each book in Enterprise PeopleTools 8.45. Their new titles are:

Old (8.44) Title	New (8.45) Title
PeopleTools 8.44 Server Tools PeopleBook	Enterprise PeopleTools 8.45 System and Server Administration PeopleBook
PeopleTools 8.44 Data Administration Tools PeopleBook	Enterprise PeopleTools 8.45 Data Management PeopleBook

The following sections have been moved from the *System and Server Administration PeopleBook* to the *Data Management PeopleBook*:

- "Ensuring Data Integrity"
- "Employing Database Level Auditing"
- "Remote Data Access"

The new chapter titled "Using PeopleSoft Configuration Manager" was formerly part of the *Data Management PeopleBook*.

Correction — Disable DB Stats Check Box

In the PeopleBook chapter titled "Using PeopleSoft Configuration Manager," the Disable DB Stats (disable database statistics) check box on the Remote Call/AE tab of PeopleSoft Configuration Manager is described incorrectly.

- Following is the incorrect description:
Select to turn **on** the %UpdateStats meta SQL construct. This setting applies to Application Engine programs.
- Please refer to this corrected description instead:
Select to turn **off** the %UpdateStats meta-SQL construct. This setting applies to Application Engine programs.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Using PeopleSoft Configuration Manager," Specifying Remote Call/AE Settings

Running the Gather Utility on UNIX

The instructions for running the Gather utility on UNIX have been corrected in the PeopleBook, as follows.

To run Gather on UNIX:

1. At a command prompt, run the following command where PeopleSoft is installed:

```
../psconfig.sh
```

2. Go to the *PS_HOME/utility* directory.

3. Change permissions for all files:

```
chmod 777 *.*
```

4. Enter the following to start the utility:

```
java -cp .:$CLASSPATH Gather
```

Note. UNIX is case-sensitive; Gather is spelled with a capital G.

5. Follow the instructions that are on the screen.

See Also

Enterprise PeopleTools 8.45 PeopleBook: System and Server Administration, "Using PeopleTools Utilities," Using Administration Utilities, Gather Utility

Data Management

The *PeopleTools 8.44 Data Administration Tools PeopleBook* and the *PeopleTools 8.44 Server Tools PeopleBook* have been renamed, reorganized, and content has been redistributed between the two books to make it more consistent with the focus of each book in PeopleTools 8.45. Their new titles are:

Old (8.44) Title	New (8.45) Title
PeopleTools 8.44 Data Administration Tools PeopleBook	Enterprise PeopleTools 8.45 Data Management PeopleBook
PeopleTools 8.44 Server Tools PeopleBook	Enterprise PeopleTools 8.45 System and Server Administration PeopleBook

Following are the new sections in the *Enterprise PeopleTools Data Management PeopleBook* that were formerly part of the *System and Server Administration PeopleBook*:

- "Ensuring Data Integrity"
- "Employing Database Level Auditing"
- "Remote Data Access"

The chapter titled "Using PeopleSoft Configuration Manager" has been moved to the *System and Server Administration PeopleBook*.

PeopleCode

The following changes have been made to the PeopleCode documentation.

PeopleCode Developer's Guide Changes

The structure of the *Enterprise PeopleTools 8.45 PeopleBook: PeopleCode Developer's Guide* has been changed.

The chapters were reorganized so that conceptual material is located first in the book, while more "how to" chapters were moved to the back.

Some of the material in the chapter "Using Built-in Functions and Methods" has been split out into individual chapters (such as HTML Trees and the GenerateHTML Function, File Attachments and PeopleCode, and so on.)

PingNode Function

The documentation for the PingNode function has been corrected. This function does not return an array of number. It returns an XmlDocument object that you must go through in order to find the status.

The following code example locates the node that contains the status (**status**) and looks for a success value:

```
Local XmlDocument &ErrorInfo;
&ErrorInfo = PingNode("TESTNODENAME");
    &Root = &ErrorInfo.DocumentElement;
    &MsgNodeArray = &Root.GetElementsByTagName("msgnode");
```

```
For &M = 1 To &MsgNodeArray.Len
    &MsgNode = &MsgNodeArray [&M];
    &MsgText = &MsgNode.FindNode("status").NodeValue;
    If &MsgText <> "Success (117,73)" Then
        Error ("Web Server not available for web service");
    End-If;
End-For;
```

File Attachment Changes

The section "Configuring Multiple Application Servers to Support File Attachments" has been updated. When you have multiple application servers, a new directory, the /tmp/PSFTP/DomainIDxxx directory is created by the first application server process to run on your application server.

For more information, see *Enterprise PeopleTools 8.45 PeopleBook: PeopleCode Developer's Guide*, "Understanding File Attachments and PeopleCode."

In addition, the following information has been added to the section "Understanding File Attachment Architecture."

The browser-web server transfer is performed using a standard HTML form construct. This can be done securely in an encrypted fashion if the web server uses Secure Sockets Layer (SSL) to communicate to the browser. After the file is received at the web server, 1-megabyte chunks are brought from the web server to the application server and stored to the database.

Note. The 1-megabyte transfer size is not customizable.

Once the entire file is transferred, the application server reassembles the file and sends it to either a FTP server or to a database table, depending. After the transfer is complete, the file is deleted from the database.

PeopleSoft Application Engine

This section discusses changes that were made to the PeopleSoft Application Engine documentation.

Database Optimizer Trace

The following note has been added to the DB2 for UNIX section in the Enterprise PeopleTools PeopleBook 8.45: PeopleSoft Application Engine:

Note. Before using the database optimizer trace, you must first create the DB2 explain tables.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Application Engine, "Tracing Application Engine Programs," *Understanding Trace Results*

PeopleSoft Integration Broker

The *Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Integration Broker* has been enhanced, restructured, and reorganized. Several new chapters and appendices have been added. Other chapters have been renamed and removed. The following list highlights some of the changes:

- A "Getting Started with PeopleSoft Integration Broker" chapter has been added that provides information to consider prior to using PeopleSoft Integration Broker.
- The "Understanding PeopleSoft Integration Broker" chapter contains additional introductory information about PeopleSoft Integrations Broker and using it to create and implement integrations.
- Information on rowset-based and nonrowset-based messages has moved from the "Sending and Receiving Messages" chapter to the "Supported Message Structures" chapter.
- Listening connector and target connector information from the "Managing the Integration Gateway" chapter has been moved to a new chapter, "Using Listening Connectors and Target Connectors."
- The "Creating Basic Integrations" chapter has been restructured and renamed "Setting Up Nodes and Transactions."
- A new chapter, "Tuning Messaging System Performance," has been added.
This chapter contains information about throttling messages through the messaging system and configuring integration gateways for load balancing.
- The following three chapters have been removed from the PeopleSoft Integration Broker PeopleBook into the new PeopleBook, PeopleSoft Integration Testing Utilities and Tools:
 - "Using the Send Master Utility"
 - "Using the Simple Post Utility"
 - "Using Automated EIP Testing"See the Integration Testing Utilities and Tools section in these release notes for changes and enhancements to these utilities and tools.
- The "Using the Integration Broker Connector SDK" chapter has moved to an appendix in this PeopleBook.
- An appendix, "Using the Delivered Connectors," has been added that provides walk-through examples for setting up and using the listening connectors and target connectors delivered with PeopleSoft Integration Broker.

PeopleSoft Process Scheduler

This section discusses changes that were made to the PeopleSoft Process Scheduler documentation.

Maximum Concurrent Value

The following note has been inserted in the following location of the PeopleSoft Process Scheduler PeopleBook:

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, Setting Server Definitions, Process Types run on this Server.

Important! Do not use the Max Concurrent field on the Server Definition page to specify the maximum number of concurrent processes for a job. To configure the number of processes that can run concurrently within a job (PSJOB), use the Max Concurrent field on the Job Definition page.

Purge Reports Process

The following note has been added to the section "Purging Reports Process" in the Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler.

Note. The purge process will not run unless the User ID that starts the Process Scheduler has TLSALL listed as a process group within the primary process profile. The PRCSYSPURGE program is delivered with the TSALL process group.

See Also

Enterprise PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Using Report Manager," Maintaining Reports

Resolved Incidents

This section presents a list of the issues addressed in this release having at least one associated Global Support Center incident.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Application Designer	3179628	107377000	Fix memory leak in database attachment usage of SamBufLongRaw().	Modified internal logic.
Application Designer	3196437	639103000	Cannot download an image on line level. The application exits upon attempt to add image.	Modified internal logic.
Application Designer	3212358	677309000	When creating a column header in a grid with 2 line feeds, Application Designer freezes.	Modified internal logic.
Application Designer	1777418, 1788227, 1789065, 1792348, 1792763, 1794400, 1800719, 1801541, 1818790, 1821164, 1835132, 1915171, 1928145, 1958417, 3168782	111976000	License code error while doing "Find In" PeopleCode in Application Designer in PeopleTools 8.4.	Added an API to turn license code checking on/off. The Find In dialog now turns off license code checking when it starts searching and turns it back on when finished.
Application Designer-Change Control	3092346	619674000	PeopleTools: PSChgCtlHist file is often not updated. Sometimes updated incorrectly.	Modified internal logic.
Application Designer-Page Defn	1961290, 3190638	681169000	Deleting a page from a component does not remove rows from PSAUTHITEM table.	Modified internal logic.
Application Engine	3021175	590209000	Entries in PSAESECTDEFN have no corresponding entries in PSAESECTDTLDEFN.	To identify the bad entries, an additional audit to Sysae.SQc (Sysae-06) will check for the existence of detail entries in PSAESECTDTLDEFN that have corresponding base entries in PSESECTDTIDEFN.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Application Engine	3204985	674622000	The AECLEANUP.DMS script incorrectly deleted valid sections.	Logic in the code was modified to resolve this issue.
Application Engine	3241886	671612000	In the 8.44-903 build, Save button and Save menu item are not disabled after saving AE SQL edits.	Updated code to only allow change notification messages from other document objects to invoke the change message for the current view: This resolution caused a regression and must include ICE 676856002 resolution 148015 with this fix.
Application Engine	1866244, 3021897, 3058458, 3266925	121503000	The message "%RoundCurrency ignored. No data to process" appears in the log and AET trace.	Fixed the code so that this message only appears when there is no data to be processed and only when Application Engine SQL tracing is turned on. Also, when rows of data are processed and the Application Engine SQL tracing is turned on, the Rows Affected will be printed.
Application Engine	3003453, 3009099, 3080386, 3094571, 3139909, 3164744, 3184248, 3190250, 3241458, 3276447	582271000	Many Application Engine programs failed and displayed the "Too many open files" error message.	Provided 2 POCs to fix 8.42.13 and 8.42.15 on Solaris and the related html readme files.
Application Engine	3145503, 3248106	686190000	Relinking psappserv, psaesrv, and psae with -N option for HP-Ux to produce a combined heap of 1st and 2nd quadrant memory or 2.0 GBs.	Because the -N option is already in place for all our server builds on HP-UX parrisc, no changes are required for psaesrv and psappsv. For psae the GNUmakefile was modified to add the -N flag.
Application Engine	3147478, 3239221	648933000	Application Engine PeopleCode timings output is illegible on Tru64.	Logic in the code was modified to resolve this issue.
Application Server	3034673	606811000	Incremental Search (SEARCH.BUILD) fails with an error on executing the CreateRowset function.	This problem turns out to be a performance issue. The search build Application Engine program was fixed to reduce memory consumption and remove inefficient algorithms.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Application Server	3180607	666800000	Process Scheduler - Report repository is limited to 32,000 directories on HP-UX.	For log output you can modify the Log/Output directory parameter, or for reports, the CDM_DIR_TEMPLATE field in the PS_CDM_DIST_NODE table. You define the directory structure of your log or report output by assembling a path template using a selection of meta-variables, to split the report directories among a wider range of parent directories. See PeopleTools 8.45 PeopleBook: PeopleSoft Process Scheduler, "Submitting and Scheduling Process Requests," Scheduling Process Requests, Setting Up Process Scheduler Log/Output Directory and Report Repository.
Application Server	3205695	665994000	Support Windows 2003 for Tools 8.45 Application Server and Web Servers.	PeopleSoft now certifies support for the Windows Server 2003 operating system as a PeopleTools 8.45 application server, web server, and database server platform. Refer to the Supported Platforms database on the PeopleSoft Customer Connection website for details.
Application Server	3209284	676031000	PSAPPSRV isn't handling file and directory access problems properly.	Logic in the code was modified to resolve this issue.
Application Server	3256439	697604000	The application server crashes on Sybase systems.	Modified the commit for all inserts of the Panel Key Fields for a new scheduled request until all keys are inserted into the PSPRCSRQSTXFER table.
Application Server	3265996	695156000	When the application server crashes, the user is directed to a URL that contains script tags.	Logic in the code was modified to resolve this issue.
Application Server	3282481	674976000	Verity search sometimes produces duplicate results on Enterprise Portal.	Attachments are now indexed as part of the main section of the Application Engine SEARCH_BUILD program.
Application Server	3113510, 3218870	628543000	Received an error in the message log when trying to run an increment to the index build of EO_PE_DOC.	The Application Engine SEARCH_BUILD program has been modified so it silently does a full build without any errors for record-based indexes.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Application Server	3147322, 3160545, 3179425, 3201113, 3208414, 3211745, 3234482, 3250382, 3254040, 3255522, 3257515, 3267571, 3272828, 3279694, 3286933, 3278831	653555000	Application server crashes unpredictably.	Logic in the code was modified to resolve this issue.
Application Server	3152056, 3153064, 3201361, 3231815	675627000	Portal registry search does not work properly in Canadian French	The NOT operator must be in angle brackets (<NOT>) so that it's recognized as an operator and not a literal in non-English languages.
Application Server	3180055, 3195321	673668000	Certain options with HTTP Spider Indexes don't work.	The Application Engine SEARCH_BUILD program was modified to pass the correct value to the -domain option of vspider.
Application Server-Database	3272997	685421000	During upgrade, the task for renaming PeopleTools records produces errors.	Logic in the code was modified to resolve this issue.
Business Interlink	3103475	622590000	When a users password contains a hash (#) spreadsheet journal upload errors.	Logic in the code was modified to resolve this issue
Charting	3088482	682977000	Charts generating inconsistently intermittently (X-Axis Title overlapping Chart's Main Title Text)	The code change is to set the title text position in its default position in code.
COBOL	3142870	648870000	COBOL execution error - PTPSQLRT due to TRUNCATE command for DB2 UDB.	Logic in the code was modified to resolve this issue
COBOL	3144573	651912000	crash in psclubcvt program with " memory could not be written" error.	Logic in the code was modified to resolve this issue
COBOL	3207194, 3249125	676352000	GL - Allocations fails with "An invalid bind variable number was specified..." associated with GLPAOUTJ_S_CUREXRT.	Logic in the code was modified to resolve this issue

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Component Interface	3046473	642992000	Component Interface Create method not validating the create keys	Logic in the code was modified to resolve this issue.
Component Interface	3219858	670504000	Excel to Component Interface: Cannot properly add more than one row at lower levels when a multiple key structure is used at lower levels	Logic in the code was modified to resolve this issue.
Component Interface	3234443	687209000	Invalid value for level 0 property causes session corruption.	Logic in the code was modified to resolve this issue.
Component Interface	3140918, 3158092	652193000	Component Interface RDM_COMPANY_2 does not work in Component Interface Tester	Logic in the code was modified to resolve this issue
CTI	3214633	652695000	Microsoft announced end of support for JVM from 01/01/2004. Need to support Sun or other JVM for CTI	Confirmed that Sun JVM supports CTI applet; recommend that customers download and use the Sun JVM.
Database Server	3244493	687803000	In CRM 8.8, opening a 360 degree view for a customer has performance problems.	An index was added to the table PSPNLFIELD on the fields PNLNAME, FIELDTYPE, RECNAME, and SECUREINVISIBLE.
Database Server	3257989	685648000	On OS390, the COBOL SQL PTPEDIT produces an error on the PSNT process scheduler.	The select buffer is reinitialized to avoid a memory leak when rebind occurs.
Database Server	1945213, 3128125	123165000	On OS/390, Process Scheduler is generating huge log files with database error messages.	Logic in the code was modified to resolve this issue.
DataMover	3109484	597150000	Swap failed on the specific table which has date type for key and LONG type. - Oracle only.	Logic in the code was modified to resolve this issue.
DataMover	3177258	660920000	Data Mover issues "Error: SQL execute error" upon encountering bad data in DAT file.	Certain characters are illegal in the target database. Logic was modified to detect the data in question and provide a meaningful error message that indicates the row with the problem data.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
DataMover	1204490, 1253123	124252000	Windows path names with embedded spaces are not supported by Data Mover when it's used by Upgrade Assistant, Change Packager, or Change Assistant.	Data Mover logic was modified to accept paths with embedded spaces.
DataMover	3206626, 3221659, 3227830, 3256215	674925000	CRM produces errors due to the new USETREELOCKING field in the PSOPTIONS table.	The problem was caused by running Data Mover on pre-8.44 DAT files. Logic in the code was modified to resolve this issue.
DB2	3239530	686175000	The ELM Translate Application Data page gives a SQL error when clicking the Search button.	The DERIVED_TR_DATA.GET_DATA.FieldFormula PeopleCode was modified to resolve this issue.
File Processing	3081553	618203000	File system permission problems on Unix related to /tmp/PSFTP	Logic in the code was modified to resolve this issue
File Processing	3086778	632153000	EOP_PUBLISHF randomly fails with Memory Access Violation on &FL.ReadRowset()	Logic in the code was modified to resolve this issue
File Processing	3094835	617752000	XML file containing CR/LF characters do not get read	Logic in the code was modified to resolve this issue
File Processing	3180301	663780000	PT 8.43 -- Performance on ReadRowSet with XML Filelayout is poor in 8.43	Logic in the code was modified to resolve this issue
File Processing	3201251	678345000	Autocad files isn't opened properly	Added a dwg entry into web.xml /main/pt84x/23 pt_pia/web/pt_portal/web.xml
File Processing	3201791	578212000	Error while using the builtin function CreateElement for DateTime datatype	Logic in the code was modified to resolve this issue
File Processing	3207777	682525000	URL name is being converted to lower case if try to attach file without Extension.	Added a check for the last '/' in the FTP URL. If it is farther along in the string than the last '.', then assume that there is no file extension
File Processing	3166764, 3251553	144014000	Receiving "error 500 internal server error" java.lang.OutOfmemory error while attaching files between 5 - 10 Mb on ICE2 Production	Logic in the code was modified to resolve this issue

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
File Processing	3225278, 3230446, 3232421, 3241698, 3264020	684186000	AE FA_OUTBOUND fails w/gen of ISIR Correction files on psflr.dll in 8.20.04	Logic in the code was modified to resolve this issue
File Processing	3232520, 3248068, 3262514	688279000	Enterprise Portal - Tasks - Task pagelet always create extra folders on webserver	Logic in the code was modified to resolve this issue
Global Technology	3158227	678661000	Application Engine builds invalid number using %NEXT command	Locale formatting logic for decimal separators was modified in psappeng\aebuf.h in ApplyDelta() to resolve this issue.
Global Technology	3242440	686981000	Central Australian timezone shows incorrect DST start and finish day	Updated the PSTIMEZONE table with corrected values. The customer can run "Generate Offsets" to create the new timezone offsets for their environment.
Global Technology	3242561	689053000	The msgtlfra.dms script errors out on Sybase 12.5 / Solaris 8	The msgtlfra.dms script was modified to resolve the issue.
Global Technology	3249674	681385000	The message of "File exceeds maximum file size" for Japanese is mojibake (garbage).	Modified code in PSHttpServletResponse.java and psc.java to resolve this issue.
Global Technology	3176118, 3193566, 3203821	676370000	Special characters like German umlauts (ÖÄÜ) are not correctly displayed in Excel 97 when downloaded from grid on PeopleSoft page	This issue occurs when using Excel 97 and a character set other than UTF-8. We have provided a new PeopleTools option, EXCEL97, on the Define Personalizations page. When set to Y, it enables users to download grids to Excel 97 using a non-UTF-8 character set. This option is recommended only for non-English users who use Excel 97.
Global Technology	3194444, 3280162	670623000	Spell check function does not work when signon language is French.	This issue was resolved by having the message processed from the message catalog with HTMLGenerateJavaScriptText().
Informix	3110430	626009000	In Accounts Receivable 8.4 on Informix, if the trace=128, AR_PREDICT fails.	Logic in the code was modified to resolve this issue.
Install & Packaging	3211869, 3241006, 3245135, 3250292, 3253866, 3267638	678718000	PT8.44-PUP - AE job UPGRDPASSWDS fails in upgrade via UA	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Integration Broker	3176793	667111000	Messages cannot be seen in Integration Broker Monitor Message Details page	A new search option, Last Update Date/Time, has been added that returns message based on the date and time they were updated. In addition, the Publication Identifier search option now returns results in descending order, so that the most recently published messages display first.
Integration Broker	3195328	675041000	Unable to log in after renaming the default local node	The web server must be rebooted after renaming the default local node. A warning message has been added alerting users of this requirement.
Integration Broker	3248913	691246000	Subscription contract status is Done but deadlock error from PSSUBHND is causing a rollback.	Logic in the code was modified to resolve this issue.
Integration Broker	3259852	697881000	PSSUBHND_dflt crashing and generating core files.	Logic in the code was modified to resolve this issue.
Internet Client	3035945	122503000	PT 8.18 PeopleTools hard-coded to get content from /servlets/cs/cache	Modified the IClientServlet to now look for CS servlet in the same relative path as the Request to IClientServlet. This will allow changing the default registration in the web server configuration file and IClientServlet will be able to find the CS servlet.
Mobile Applications	3145721	653601000	Mobile CRM saving time fields on the mobile client incorrectly	The PT_TIME_FORMAT user personalization is now recognized when set to "24 hour clock". Previously, time fields were always displayed as "12 hour clock".
Mobile Applications	3228617	684434000	Mobile: The Update Applications process crashes	Logic in the code was modified to resolve this issue.
Mobile Applications	3228773	686269000	Prompt button does not bring up search dialog on Partner or Competitor pages.	Logic in the code was modified to resolve this issue.
Mobile Applications	3234942	664231000	Creating a new Mobile Page as a non-English language user causes Application Designer to crash	Logic in the code was modified to resolve this issue.
Mobile Applications	3287297	686594000	Invalid time format reported during synchronization	Modified code to skip the space in front of the hour in a time value.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Mobile Applications	3165253, 3195075	659010000	When a UNIX synchronization server is pointing to an Oracle database, the Portal menu does not display properly.	Logic in the code was modified to resolve this issue
Mobile Applications	3201007, 3209453, 3280239	678274000	CRM Mobile: Date format always follows US format	Logic in the code was modified to resolve this issue
Multi-Channel Framework (MCF)	3204838	669462000	FSCM 8.41 to 8.80 CSS: Run the Updated PeopleTools Script: CREATE INDEX PS_MCFUQTIMEOUT fails	Fixed upgrade scripts.
Multi-Channel Framework (MCF)	3216913	683988000	After the number of accepted tasks (generic alert) reaches the Maximum Workload of the Agent, additional Tasks are not sent to other agents.	Logic in the code was modified to always set the action to NO_AGENT_CONT if a task has a preferred agent.
Multi-Channel Framework (MCF)	3223820	685603000	ERMS not able to handle UU encoded attachments correctly	Upgraded Sun JavaMail to new JavaMail 1.3.1 jar file, which fixes the case where "uuencode" is --- in the header.
Multi-Channel Framework (MCF)	3254418	693362000	ERMS Process crashing when email body contains GIF and BMP images	Logic in the code was modified to resolve this issue.
Multi-Channel Framework (MCF)	3264760	687767000	Virus emails stalling ERMS	Modified MCFPart.java to scan for embedded null bytes in plain text emails. If any are found, those email parts become attachments.
Multi-Channel Framework (MCF)	3266028	695661000	Text attachments getting lost	Modified MCFPart.java to scan for embedded null bytes in plain text emails. If any are found, those email parts become attachments.
Multi-Channel Framework (MCF)	3214532, 3247141, 3250936, 3253300, 3253480	689114000	URL gets truncated when shared drive path or attachment filename is very long	Logic in the code was modified to support long URLs.
Multi-Channel Framework (MCF)	3232025, 3246238, 3247325	687314000	Problems with Emails of type HTML & RTF	Added URLDecoder in PSAttachServlet.java.
Multi-Channel Framework (MCF)	3232040, 3272048	686470000	MCFGetMail Function ReadEmailsWithAttach cannot process all emails	Logic in the code was modified to resolve this issue. See also #687767000 and 695661000.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
nVision	3033657	605207000	Drilldowns recreating drill.xlt on each run	This issue is resolved by a fix to incident 625582000.
nVision	3108701	624911000	Drilldown on nVision reports doesn't work after PeopleTools upgrade	We have provided a macro that users can use to update drilldown hyperlinks for nVision reports. It is a simple search and replace tool to help users update drilldown hyperlinks in HTML text or the NvsDrillHyperlink workbook name in XLS files. It can be used during upgrade or after.
nVision	3160886	661375000	Reports erroring out with "Out of available memory" after a certain number of instances generated	Replaced the psnam.dll with the one from the original POC, and the nVision reports now run successfully.
nVision	3191242	671308000	Cannot change SetID for PS/nVision scope selection in the MS Windows client	Updated nVision PeopleCode to enable SetID prompt when no business unit is specified.
nVision	3197379	675785000	Winter tree with "Suppress join; use literal values" performance option generates wrong SQL statement	The "Suppress join; use literal values" tree performance option is not available for winter trees. Logic in the code was modified to prevent users from applying this option to winter trees.
nVision	3206668	677879000	Excel interface exception error when running report after highlighting chart	Logic in the code was modified to resolve this issue.
nVision	3242982	690457000	PSQRYSRV.EXE SAM is not handling SQL exceptions like -905 and -913 with nVision in DB2	The SamLongExec and SamFetch functions in PS/nVision were modified to resolve this issue.
nVision	1347417, 1368364, 1416865, 3104068, 3146385	646540000	Excel and nVision close without warning when PeopleSoft times out	Logic in the code was modified to resolve this issue.
nVision	1975641, 3106570	678663000	PS/nVision is ignoring Excel formatting for nPloded details	By default, PS/nVision nPlosion style sheets override manual Excel formatting of nPloded detail rows or columns. We have added a new Name, NvsSkip DetailStyles, that you can define using the Define Name dialog box in Excel, if you want PS/nVision to ignore the nPlosion style sheet and display nPloded details in the format that you applied from the Excel menu bar.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
nVision	2016592, 2044867, 2057317, 2058423, 3005190, 3020639, 3028010, 3060415, 3061493, 3126929, 3152566, 3230050	576837000	Report distribution fails to distribute reports using scopes based on trees	Logic in the code was modified to resolve this issue.
nVision	3049713, 3157672	655524000	Query-based report layout with LTD Timespan returns incorrect amount when run from previous year that has no data	Logic in the code was modified to resolve this issue.
nVision	3155680, 3166297	652147000	Query cache in PS/nVision in Windows client not being updated after modification of query on the web	Logic in the code was modified to update the Query cache in two-tier whenever the three-tier cache is updated.
nVision	3183656, 3206122	666635000	Report book as of date is not being used in report requests	If the as of date is set to "Today" in the Report Book, the date is not getting stored in the PSNVSBOOK table. Logic in the code was modified to resolve this issue.
nVision	3187523, 3194521, 3203232, 3204402, 3208677, 3228487, 3266550	667224000	Nvision Report Name contains apostrophe when using variable FY2 in file template	Logic in namstore.cpp and namsend.cpp, DeliverVariables fn() was modified to resolve this issue.
Oracle	3216980	676248000	Problem with SETINDEX.SQR and SETSPACE.SQR programs in Oracle.	SETINDEX.SQR and SETSPACE.SQR programs modified to suppress index and record overrides of catalog values that are less than or equal to the DDL Model defaults.
Panel Processor	3067376	607952000	PO 8.4: On comments secondary PO pages the Load Comments incorrectly Displays All Comment Types	Logic in the code was modified to resolve this issue.
Panel Processor	3175318	661573000	HRMS 8.3 SP1 - Administer Workforce: Change to Compensation requires Correction	Logic in the code was modified to resolve this issue.
Panel Processor	3191242	671308000	Cannot change SetID for nVision Scope Selection in Client Mode	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Panel Processor	3206109	675099000	Item Category page kicks user to login prompt when choosing Correction Mode	Logic in the code was modified to resolve this issue.
Panel Processor	3261465	681822000	Extra search page is displayed when going from Budget Work Item Details to Version Details page	Logic in the code was modified to resolve this issue.
Panel Processor	3077824, 3181547, 3241759	609147000	Performance issue with 'transfer panel'	Created built-in function TrasferExact which uses = in the created SQL instead of LIKE. This can improve performance significantly. The new built-in is documented in the <i>Enterprise 8.45 PeopleTools Peoplebook: PeopleCode Language Reference</i> .
Panel Processor	3096873, 3142215	638036000	PT 8.19 Tools allows processing after online deadlock - should force user to leave page	Logic in the code was modified to resolve this issue.
Panel Processor	3131378, 3278052	639814000	Cannot attach certain JPG Photo to PS8.8	Logic in the code was modified to resolve this issue.
Panel Processor	3196474, 3205681, 3206157, 3206410, 3207696, 3208093, 3208148, 3209709, 3213546, 3214702, 3214992, 3218190, 3218320, 3260144, 3261949, 3265166, 3268015, 3268888, 3276776, 3281095, 3285001	672466000	On Requisition request, a particular action logs users out of system	Logic in the code was modified to resolve this issue.
Panel Processor	3201279	674753000	Quick Invoice entry> false prompts in Multilanguage.	Logic in the code was modified to resolve this issue.
PeopleCode	3163746	670542000	CLASSPATH is not effective.	Logic in the code was modified to resolve this issue.
PeopleCode	3164328	667860000	DateValue() function returns wrong year.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
PeopleCode	3178429	541362000	Integration Utilities: SQL error on Inbound File Publish	Logic in the code was modified to resolve this issue.
PeopleCode-File Object	3159866, 3189912	652805000	Inv Purge process abending with AE Crash Dump	Logic in the code was modified to resolve this issue.
Performance Monitor	3260318	693167000	Can't save ppmi URL from Global Administration page on a French database.	Logic in the code was modified to resolve this issue.
Performance Monitor	3252459, 3255337	682755000	Invalid date/time error while looking at current user session.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3005472	134037000	Spellcheck	Logic in the code was modified to resolve this issue.
PIA Core Technology	3025320	131307000	Rename/Delete Page Does Not Update PSAUTHITEM	Renaming an item name on the component now updates the PSAUTHITEM table. Also removed obsolete code.
PIA Core Technology	3084688	628810000	Spellcheck feature does not function properly on MAC	Logic in the code was modified to resolve this issue.
PIA Core Technology	3115980, 3292344, 3303110	632677000	While trying to save cases, agents are getting returned to OOB Case Lookup screen	Fixed the following: <ol style="list-style-type: none"> 1. Under load and launching new windows, caused the system redirect loop and result of OOB. 2. When user clicks ahead, io.InterruptException was thrown from Welogic/VM on HP. The fix catches the exception so the session is not being invalidated, which caused OOBs. 3. For the same reasons as above, catch io.Exception on broken pipe/interruptException to avoid net.ProtocolException so the session is not being invalidated which caused OOBs. 4. Catch bea.jolt.SessionException during end jolt session when the session has been disconnected by other threads so user will not get "error occurred" condition during login.
PIA Core Technology	3141871	653988000	xmllink fails with IIS Proxy on WebSphere	Logic in the code was modified to resolve this issue.
PIA Core Technology	3150270	656377000	SignOut is not working for release 8.19.10.	Logic in the code was modified to resolve this issue.

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PIA Core Technology	3205683	662199000	Apple Safari Browser - Spell check behaving differently.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3214570	675745000	psreport creates extra jolt without disconnecting it during logout.	Added the code to use the Jolt session if found from portal or PIA. Before this fix, there were two jolt connections for each user after viewing a report from psreport servlet.one was left behind after logout.
PIA Core Technology	3234396	686469000	Incorrect error message on sign-on page.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3256941	691932000	CTI case window - Incorrect URL returned causing error.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3259922	692604000	Problem when trying to use "Contains" for search criteria on Requisition ID.	Added a new flag bSkip in keylist to indicate not to reuse that key if the key has no value specified.
PIA Core Technology	3272561	680853000	Spellcheck does not work with Netscape 7.x	Logic in the code was modified to resolve this issue.
PIA Core Technology	3011731, 3121066, 3205468	695411000	Seeing warning message "Page No Longer available" while working on multiple windows.	Could not be replicated in PeopleTools 8.45 release.
PIA Core Technology	3018604, 3060844, 3177756, 3178092, 3222021, 3227581	602708000	Java Script error during connection timeout	Took out the "Running In Portal" check and generate the authtoken if there is one.

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PIA Core Technology	3058931, 3142660, 3147754, 3150990, 3156514, 3157379, 3159211, 3162061, 3162216, 3164792, 3167148, 3173184, 3174529, 3174542, 3174547, 3177783, 3184719, 3187159, 3191648, 3202335, 3204211, 3220745, 3258028, 3280171, 3273287, 3322117	653706000	WriteUCS2 errors being written to WebLogic log, HTTP 500 errors on browser.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3097681, 3155745, 3174532, 3193312, 3197073, 3207717, 3278233	650238000	Unable to sign in when the user's PC time is ahead of the server time.	Commented out the code that sets the max age for refresh cookie. Removed code to check for stored cookie.
PIA Core Technology	3108702, 3108725, 3176053, 3221250	625213000	Second download to Excel from Query causes the results to open in browser and not Excel	Logic in the code was modified to resolve this issue.
PIA Core Technology	3165316, 3211016	657086000	Non Persistence of Rowset Sort Order vs. Grid Sort Order	Logic in the code was modified to resolve this issue.
PIA Core Technology	3169905, 3169925	658483000	ePerf home pages do not display correctly on IE on Mac	This problem has now been fixed. The expansion to three lines isn't needed for MAC IE 5.x when long edit text field is displayed only and "Expand Field when Display Only" check box is checked. The reason is the long edit box is being displayed as text, not as a textarea control in this case. For IE/Mac, must be at least 3 lines to show scroll bars.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
PIA Core Technology	3205299, 3233139	674419000	Process Monitor Hyperlink accessed via Navigator doesn't work on EP8.8	Change PT_NAVMAIN_SCRIPT HTML Object to not include "/" at the end of the market in the URL construction because it causes a wrong reference to the relative URL.
PIA Core Technology	3215872, 3220068	679823000	Excel download by grid format is the wrong format(truncate 0,=,+)	This problem has now been fixed. For chars and long chars, embedded double quotes(") in the string must be converted to two double quotes("") when downloading to Excel.
PIA Core Technology	1938930	148083000	Use encoding/decoding scheme for non-Latin default usernames in cookies.	Logic in the code was modified to resolve this issue.
PIA Core Technology	3150270	656377000	8.19.10. Sign Out is not working.	Logic in the code was modified to resolve this issue.
Portal	3116310	628649000	Portal gives error on values with double spaces in them	Changed code in Lexer.java to not eliminate embedded spaces in quoted values. Added code in psicsrv for substituting space with for Search Results.
Portal	3137434	662532000	Accessibility/navigation issues using Window-Eyes screen reader with PSoft	Problems uncovered have been fixed.
Portal	3146329	652231000	Portal tab is cached on server side -- causes errors when changing roles	Logic in the code was modified to resolve this issue.
Portal	3179420	675907000	Pages using GET and ' (apostrophes - single quotes) causes CSS error	Added logic to encode the URL query string for special characters. Only following characters would be encoded to avoid issues with simple URL format and massive database changes. Characters encoded are _T(" ;:@&=+\$,<>\"'\\#%{} ^~[]\x7f"); Note that char / is missing.
Portal	3180464	663390000	PORTAL: PRUHDEFN invalidation on system homepage update takes too long	Logic in the code was modified to resolve this issue.
Portal	3183143	677827000	On Redirecting to HomePage URL, you get a duplicate included session -- i.e. double header.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Portal	3189626	668216000	Menu bar on Netscape is replaced with error message.	This problem has now been fixed. Added db change into pt_nav.
Portal	3193303	673031000	java.security.cert.CertificateException: Unable to initialize, java.io.IOException error.	Logic in the code was modified to resolve this issue.
Portal	3225467	681841000	CachePurgeAllHitCount=-1 Does not work in the WebProfile	To disable this feature, set the property value to "0". Turned on the Display Zero page field property for PSWEBPROFWRK.CACHEPURGEALLHITCT and PSWEBPROFWRK.PORTALCACHESTALE on Web Profile Caching page WEB_PROF_CACHING. Modified their help text to include the following ' Set this property to 0 to disable the feature' .
Portal	3225775	681554000	Enterprise Portal - Navigation - Content references for external links not working in PeopleTools 8.44	Logic in the code was modified to resolve this issue.
Portal	3245590	688254000	Mac IE 5.2 cannot use the Home,Work list, or SignOut link.	Logic in the code was modified to resolve this issue.
Portal	3266092	696050000	PS_PSPRSMDEFN_VW record view definition is not created.	Fixed the view to include the 6 new fields
Portal	3268434	699908000	Content Reference (Portal name, label, Patch etc) is not showing up in 8.44 for all the components	Changed logic in UPG844PORTAL for updating columns of CREFs for Component and IScript. Now, the processing will be done for Remote portals as well.
Portal	3271909	653607000	Enterprise Portal - Site Management - Exception error when creating new sites with unicode/multilanguage database	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Portal	1983237, 3016868, 3068021, 3093621, 3095981, 3105220, 3132335, 3137786	584311000	PT: Cannot open Worklist page?	Previously, you had to manually add any new permission lists to Worklist type content references to allow users to access the worklist menu & link. When you selected PeopleSoft Generic URL as the URL Type on the Content Reference page there was no way to input the component information. Without component information the system could not retrieve the permission list for the worklist component. A new URL type Worklist URL has now been created to enable you to enter the required component information. This, in turn, will synchronize security. When selected you will need to identify the Portal URL using the following format: w/WORKLIST?ICAction=ICViewWorklist&Menu=Worklist&Market=GBL&PanelGroupName=WORLIST.
Portal	2026579, 3088555, 3131002, 3187183, 3194235, 3200001, 3217738, 3247706	607766000	EP/CRM signout page expiration error.	This problem has now been fixed. Changed PORTAL_REFRESHPAGE html object (java script).
Portal	3058931, 3142660, 3147754, 3150990, 3156514, 3157379, 3159211, 3162061, 3162216, 3164792, 3167148, 3173184, 3174529, 3174542, 3174547, 3177783, 3184719, 3187159, 3191648, 3202335, 3204211, 3220745, 3258028, 3280171	653706000	WriteUCS2 errors being written to WebLogic log, HTTP 500 errors on browser.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Portal	3166815, 3238174, 3253301, 3256664, 3284792, 3284847	656979000	Homepage Pagelets can not be removed from Homepage	Logic in the code was modified to resolve this issue.
Portal	3171502, 3172723, 3190922, 3247050, 3252416, 3261999	660120000	Performance issues when PSVERSION table is locked for an update	Logic in the code was modified to resolve this issue.
Portal	3177700, 3186597, 3197698, 3277271	662425000	Removing access to menus and pages from cloned permission lists does not update the Portal correctly	Removed the permission lists off the PT_TREE_HIDDEN folder for all tools delivered portal registries. (EMPLOYEE, CUSTOMER, SUPPLIER, PARNTER, PS_SITETEMPLATE, MOBILE).
Portal	3197490, 3200205, 3206111, 3209052, 3211547, 3215665, 3219317, 3221389, 3221798, 3226855, 3227313, 3230413, 3232044, 3244118, 3256809, 3267091	671313000	Unknown node error when clicking on Add Tasks or Resource Finder Search buttons	Could not be replicated in PeopleTools 8.45 release.
Portal	3209835, 3259383	676545000	Disabling SSL causes "ArrayIndexOutOfBoundsException".	Logic in the code was modified to resolve this issue.
Portal	3254657, 3267298, 3276094	690960000	Appserver crashing in 8.43.14	This problem has now been fixed. Added additional change to correct a dangling pointer.
Portal	3269917, 3272408, 3274170	679713000	Issue with WEBLIB_EOPP_SC giving access to Folders and CREFs	Modified internal logic.
Portal	3128148 3310372	647233000	WebLogic running out of memory, has to be restarted frequently when maxSavedState=1	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Process Scheduler	1975120	112072000	When choosing an UNIX server, the description of the Server Name field on the Process Scheduler, Processes, Process Definition Options page fails to change.	Database changes only. Modified the field properties for SERVER.DESCR to make it a related field of PRCSDEFN.SERVERNAME.
Process Scheduler	3077838	665137000	The setOutputOption-method of the ProcessRequest-class does not seem to be working properly.	Logic in the code was modified to resolve this issue.
Process Scheduler	3181159	663800000	Returning from the Process Monitor page to the Report Request page in nVision encountered security error.	Database changes only. Added initialization code when launching Process Monitor.
Process Scheduler	3194022	673291000	Process Instance # was reset to 0 during upgrade	Logic in the code was modified to resolve this issue.
Process Scheduler	3197106	671300000	Unable to create an Application Process Name that has more than 8 characters for customized process type.	Added a check for genprcstype in the project.
Process Scheduler	3202589	675432000	The process type field on the Process Monitor, Process List page is not translated.	Modified the code to display the PRCSTYPEDESCR field instead of PRCSTYPE field on the Process Monitor, Process List page.
Process Scheduler	3202600	673380000	"SQR Report" appeared instead of "Rapport SQR" for users who logged on as CFR.	Database changes only. Modified PRCSTYPE field from Edit Box to Drop Down List box on PMN_PRCRQSTDETAIL page. The Drop Down List box displays PRCSTYPEDESCR prompt table field from PMN_PRCSTYPE_VW.
Process Scheduler	3227552	689283000	Distribution List with over 1000 characters caused PSUNX to stop all processing. You must cancel the process and reboot PSUNX in order for the processing to continue.	When the length of the distribution list is more than the initial size (1024 characters), correct the size passed during the reallocation.
Process Scheduler	3231099	604514000	The List view is now the default view rather than the Explorer view.	Database changes only. Changed the default tab for Report Manager to "List" rather than "Explorer". Also changed the description on the report folder tree view for report entry.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Process Scheduler	3248116	648617000	In launching the AE programs, the Process Scheduler Server Agent (PSPRC SRV) took 100% CPU on HP-UX at the customer site.	Delivered a POC to the customer. As per customer's comments, the problem still persists even with the patch.
Process Scheduler	3270439	668101000	In PeopleTools 8.44-902a build, the Resend Content option in Process Scheduler is not working.	Logic in the code was modified to resolve this issue.
Process Scheduler	3151594, 3235303	648040000	Some Meta-String variables in Process Scheduler such as %%ACCESSID%% and %%ACCESSPSWD%% should always be masked in the log file.	Logic in the code was modified to resolve this issue.
Process Scheduler	3247036, 3255376, 3257887, 3273102, 3273163, 3273167, 3282251	692428000	The PSJob type in PeopleTools 8.43 remained in the processing status while the jobs were never processed.	Logic in the code was modified to resolve this issue.
Product Build	3116310	628649000	Portal gives error on values with double spaces in them	Modified make file.
Product Build	3205905	683004000	Opsec -28 (orphaned rows in PSAUTHITEM) Issues and Incidents	Logic in the code was modified to resolve this issue.
Product Build	3176118, 3193566, 3203821	676370000	PIA Customer Reported: German umlauts (ÖÄÜ) are not correctly displayed in Excel97 when using grid download button	Logic in the code was modified to resolve this issue.
Query	3018003	587105000	Page commands not appearing on query results - Tools 8.4/HR 8.8	Added new styles for the query service links because they were conflicting with the standard search results links.
Query	3074011	634560000	Query Manager: Query definitions are changed without permission.	Removed automatic save function in Windows Query when a query has been updated and changed the error message to reflect this change.
Query	3138896	642012000	Problem with Query 3-tier only: receiving error when running a query with multiple prompts	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Query	3145335	676965000	Query performance problem with selecting a few fields vs selecting all fields.	Logic in the code was modified to resolve this issue.
Query	3179448	665509000	Web Query IN TREE criteria not deleting selector_num values	Logic in the code was modified to resolve this issue.
Query	3190930	669500000	Query outputs date type data with one single (unwanted) blank to CSV file.	Logic in the code was modified to resolve this issue.
Query	3219943	679780000	Schedule Query page: Although "JPN" language was installed, there is not "Asian Font" pulldown.	When customers have more than three Asian languages installed, they will be able to select the desired language using the Asian Font drop-down list box on the Schedule Query page.
Query	3275727	590035000	Some queries cannot run on the web client which do run on the Windows client.	Added code to fix bad advanced translate fields when loading queries in PIA and also when building the SQL for queries.
Query	1521662, 3172403	150241000	When designing a query, the designer of the query can select any record in the database as a prompt table.	PeopleSoft has added a switch to be able to restrict the prompt tables allowed in a query to those that are in a user's query access list only.
Query	2048212, 3254162, 3257715	691210000	Query not using row level security with the Constant expression type or In List condition type.	PeopleSoft has enhanced the procedure for selecting values when creating criteria that use the Constant expression type or In List condition type. In PeopleSoft 8.45 you will be required to use the Prompt function instead of the standard Search function to select values for these criteria.
Query	3030265, 3037191, 3267836, 3273105	696059000	Duplicate list values are returned with In List lookup. Also incorrect row count results are returned.	PeopleSoft changed prompt table lookup logic, thus alleviating this issue and other prompt table-related issues.
Query	3155867, 3287205	654572000	Scheduled queries can sometime produce incorrect SQL.	Inserted code in order to sort the expression list first before calling the sync code.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Query	3204930, 3225184, 3225415, 3239933, 3249246, 3253646, 3254553, 3255552, 3269676, 3272676	676150000	Errors in CRM due to QRYDISABLED in PSQRYDEFN	Logic in the code was modified to resolve this issue.
Query	3268405, 3269675, 3283442	697267000	When a web query is modified in 2 or 3 tier, the query's subquery can become corrupted.	Logic in the code was modified to resolve this issue.
Query	1521662 3172403	150241000	Create a prompt in Query that uses the EMPLID field, and then click the prompt button. Employees that the you don't have access to are available in the prompt. If you select one of these employees the query will run, but returns no rows.	Logic in the code was modified to resolve this issue.
Report Distribution	3205897	676279000	PT8.44-PUP - 8 transactions need to be added to the delivered default database	Database changes only. Add 8 report folder messages PSRF_* to the default local node.
Report Distribution	3106933, 3210552, 3216459, 3219746, 3274672	625110000	Unable to view PDF email attachment	Logic in the code was modified to resolve this issue.
Report Distribution	3224794, 3258522	684781000	Report Creation date blanking out when dist list is updated in details tab	Modified logic to update ENDDTTM in PS_CDM_LIST for nVision while updating distribution status to "POSTED".
Security	1953930	100049000	The Signon PeopleCode page displays only the first seven rows.	The grid did not display a header, which meant no navigation buttons and no access to the additional rows. Added a header, with a title and navigation buttons to correct the problem.
Security	3152889	669044000	Unable to set a password although it's in the correct format.	The system was trying to validate the user's password even when it hadn't changed, and checking for the existence of special characters and digits in the encrypted password. Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Security	3205905	683004000	SEC-28 (orphaned rows in the PSAUTHITEM table) reveals a large number of orphaned rows.	A SQL script was added to the build instructions to clean up the orphaned rows. It's also documented in the SYSAUDIT PeopleBooks documentation.
Security	3207325	675155000	'Unselect All' and 'Select All' are behaving incorrectly for page access in a permission list.	Logic in the code was modified to resolve this issue.
Security	1437840, 1554480, 1729921, 1857424, 2001003, 3002146, 3016979, 3021925, 3055044, 3118388, 3214209, 3228999, 3242951, 3292693	581866000	Too many role users (thousands) cause the Members and Dynamic Members role pages to fail.	The pages were redesigned to enable a subset of the users to be retrieved in chunks of 1000 users at a time.
Security	3074659, 3085242, 3088045, 3278271	611476000	USER_PROFILE synchronization not working correctly from HRMS to Enterprise Portal 8.4.	The subscription PeopleCode in the USER_PROFILE message has been modified so that an invalid ID TYPE won't be synchronized into a new database.
Security	3121280, 3168045, 3183786, 3187890, 3189185	632535000	The Application Engine program PURGEOLDUSRS fails unexpectedly.	Logic in the code was modified to resolve this issue.
Security	3171502, 3172723, 3190922, 3247050, 3252416, 3261999	660120000	Performance issues when PSVERSION table is locked for an update.	The resolution includes attached documentation on how to modify the PeopleCode to resolve this issue.
Security	3173239, 3208908, 3223478	659927000	Email addresses are not being deleted from the PSOPRDEFN table.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Security	3043348 3074901 3082574 3085807 3117314 3140757 3200621 3220634 3229662 3255792 3263781 3273216 3273916 3291611 3298524 3306112 3311656 3313062 3321139 3326086	574094000	Error when giving an incorrect password on the sign-on page	Logic in the code was modified to resolve this issue.
SQR	1907538	133595000	PSSQR Behaves differently when mapped drives and UNC paths are used.	Logic in the code was modified to resolve this issue.
SQR	3016896	587827000	In SQLSTAT.SQC, why is #sql-status set to 437?	The value of 437 is actually correct. This is just an error in the comment in SQLSTAT.SQC, which the developer has remedied by updating the comment to read as follows: "DB2 also issues a warning when a complex query is encountered. We trap and ignore this warning so it does not cause SQR to terminate."
SQR	3162761	660798000	SQR Out of Memory Error or Segmentation Fault	The SQR process was running out of space in the stack. Modified the logic in the code to increase the number of memory segments available to SQR to resolve this issue.
SQR	3187315	667048000	Compiler interpreting literal ':' as a label when a command is continued on two or more lines.	Logic in the code was modified to resolve this issue.
SQR	3241884	687680000	#SQL-STATUS is changing its value when a string is used in a Let statement.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
SQR	3211147, 3216906, 3218649, 3220631, 3222321, 3241903, 3251510, 3288271	657455000	SYSAUDIT abend due to DB2 UDB warning message.	SQR will now ignore all warning messages. In addition, you can now turn on or off the printing of warning messages to the SQR log.
SQR	1483498 2031494 3094941 3265574	109865000	XRFFLPN.SQR abends on MVS/OS390.	Logic in the code was modified to resolve this issue.
Sybase	3073481	644695000	CreateSql and Fetch return inconsistent results in an outer join SQL script on Sybase.	The problem was fixed by Sybase on ASE 12.5.2.0.
Tree Manager	3192969	689619000	Inconsistency with Market definition in components do not work in Tree Manager	Logic in the code was modified to resolve this issue.
Tree Manager	3192969	689619000	Inconsistency with Market definition in components do not work in Tree Manager	Logic in the code was modified to resolve this issue.
Tree Manager	3104893, 3178501, 3178999	662692000	Mismatching column types cause the tree maintenance Application Engine program to run for more than 20 hours.	Logic in the code was modified to resolve this issue.
Tree Manager A.L.	3176074, 3237978	664312000	The Tree Import process is locking the database	Logic in the code was modified to resolve this issue.
Tuxedo	3229077	683600000	Installing tuxedo doesn't allow spaces in directory names.	This problem has been addressed by a Tuxedo patch and an installer update.
Updates - Change Assistant	3271850	688189000	CA is producing SQL scripts that run through each command twice	Logic in the code was modified to resolve this issue.
Updates - Change Assistant	3253251, 3261253	694353000	Change Assistant is not handling expired customer connection digital certificate for signon to upload environment information.	Logic in the code was modified to resolve this issue.
Updates - Environment Mgmt	3258998, 3263043, 3265521, 3286769	693777000	Environment Management runs the Application Engine SFMAINT program with the database name in the wrong case.	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Upgrade	3211908	677723000	PT8.44-PUP - steps in UA need to be reordered	Moved 'Boot Servers' task prior to the Setting Up Security step \\pt_install\templates\PeopleTools_Only_Upgrade.db@@\main\pt84x\62.
Upgrade	3249957	689785000	Question about Message Node Compare Report, Password not encrypted on report.	B:\SHAM_view_84x\pt_appdev\src\psprj\upgrade.cpp@@\main\pt84x\45 added additional check for szlbPassword in CompareDefns and CompUnMatchDefns.
Upgrade	3249957	689785000	Question about Message Node Compare Report, Password not encrypted on report.	Added additional check for szlbPassword in CompareDefns and CompUnMatchDefns
Upgrade Assistant	3067949	134788000	UA 8.42x: Partial logs FTP when running data conversion via Upgrade Assistant on the server.	Logic in the code was modified to resolve this issue.
Upgrade Assistant	3244942	690166000	UA: Language specific versions of PT8xTLS<lng>.dms need to be run in user mode	Logic in the code was modified to resolve this issue.
Upgrade Assistant	3266476	696908000	Upgrade assistant ignores Configuration Manager Profile selection	Logic in the code was modified to resolve this issue.
Upgrade Assistant	3279876	685327000	FSCM 880 Canon ESP Upgrade (PT)- UA not recognizing message as a failure, marks as success and continues	Logic in the code was modified to resolve this issue.
Upgrade-Data Administrator	3184173	673995000	ICPanel[]() Out of available memory. - /local_home/build84/pt84305-retailr_o/src/psbld/blddd\l.cpp	Logic in the code was modified to resolve this issue.
Upgrade-Data Administrator	3192727	676210000	Error during index creation due to invalid characters in the index name.	Logic in the code was modified to resolve this issue.
Upgrade-Data Administrator	3215966	570208000	PTOOLS 8.19- Prevent developers from creating indexes that are greater than 255 (max for DB2/OS390)	Added index length validation to the index design time as well as during the index creation time.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Upgrade-Upgrade Copy	3239070, 3273575, 3275468, 3281263, 3284315, 3288445, 3288461	686449000	PeopleTools 8.44 cannot use upgrade/copy to move message catalog definitions	Upgrade Copy of Message Catalog Entries was generating SQL error on Oracle due to datetime conversion. Added %datetimeout() and %datetimein() meta-sql wrappers around LAST_UPD_DTTM column in select and insert statements on PMSGCATDEFN table to properly format datetime value for platform.
Web Server	3084526	587718000	Port PeopleTools to HP-UX Itanium.	PeopleTools can now be installed and run on HP-UX Itanium.
Web Server	3226896	682018000	Instructions are needed for setting up clustering with WebLogic 8.1.	Details about clustering setup are documented in a red paper on PeopleSoft Customer Connection.
Web Server	3249376	690434000	WebLogic fails to start when the service is a managed server.	Logic in the code was modified to resolve this issue.
Web Server	3225223, 3274006	681941000	WebLogic's setEnv.sh does not set the ulimit correctly in the Korn shell.	Logic in the code was modified to resolve this issue.
Web Server	3242470, 3242974, 3243046, 3243871, 3243995, 3244443, 3246647, 3246963, 3252916	686844000	Multiple BEA Security advisories affecting WebLogic 8.1.	WebLogic 8.1 has been updated or patched to fix these issues.
Web Server	3242470 3242974 3243046 3243871 3243995 3244443 3246647 3246963 3252916	686844000	BEA Security advisories 04-47.00, 04-48.00, 04-49.00, 04-50.00, 04-51.00.	Logic in the code was modified to resolve this issue.
Workflow	3153113	673181000	Worklist items are mark "Worked" even though no changes were made	Logic in the code was modified to resolve this issue.
Workflow	3171930	660300000	Unable to resubmit Recycled/Denied worklist item	Logic in the code was modified to resolve this issue.
Workflow	3213547	670874000	Application Designer crashes when selecting text properties in Business Process and Activity icon descriptions	Logic in the code was modified to resolve this issue.

Subproduct	GSC Case #	Incident #	Incident Title	Resolution
Workflow	3272936	698808000	Worklist Attribute Activity Prompt does not appear with same Business Process and Activity.	Logic in the code was modified to resolve this issue.
Workflow	3098704, 3155626, 3168957, 3181192, 3195812, 3220113, 3237891, 3239729, 3253381, 3259286	658214000	Failed to deserialize ICWorklist request data	Logic in the code was modified to resolve this issue.
Workflow	3184502, 3222733	665596000	Problem With Workflow Routing For Req Amount Approval When Lower Level Approver Is Designated As Higher Level Approver As Well Via Tools Alternate User ID Functionality	Logic in the code was modified to resolve this issue, and PeopleBook updated.
Workflow	3190353, 3233043	665830000	TriggerBusinessEvent function issue	Logic in the code was modified to resolve this issue.
Workflow	3197214, 3268643	672090000	Error Notification message URL is not complete PT_AMM_WF	Logic in the code was modified to resolve this issue.
Workflow	3136494 3209508 3225687	644421000	Email Channel - Email_Msg_Rcd field sizes are inconsistent with Workflow.	Logic in the code was modified to resolve this issue.

Edit History

Date	Modification
June 9, 2004	Post ed initial version as Enterprise PeopleTools 8.45 became generally available.
June 29, 2004	Added incident 674753000 (Panel Processor) to the Resolved Incidents table. Added information related to Crystal Reports 9.0 and PDF output.

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