



PeopleTools 8.20 Release Notes

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PeopleBooks Contributors: PeopleTools Product Documentation and Development.

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Preface

Version 04: 06/28/2004

This PeopleTools maintenance release includes a variety of enhancements and resolves several minor issues found in our previous release. We refer to this kind of maintenance release as a “PeopleTools Only” upgrade, which means your PeopleSoft applications will not be affected.

Important! If you skipped any maintenance releases, we recommend that you download the Release Notes corresponding to the release(s) you skipped. For instance, if you’re installing the PeopleTools 8.20 update but skipped PeopleTools 8.19, you should download and review the Release Notes for PeopleTools 8.19. Do this to make sure that you are aware of the previous changes and new features. Most importantly, when upgrading to a new maintenance release, be sure to check the Supported Platforms database on Customer Connection for any new support details.

This is a "living" document. That is, PeopleSoft updates and corrects this document as needed to support our maintenance releases. We suggest that you refer to Customer Connection regularly to see if there have been any updates to this document. When the Release Notes are updated, you will see a new version number and date at the top of this page. Check the Edit History section to keep track of the changes we've made to the document.

The Release Notes contain:

- **New and Changed Features:** This section contains information on new PeopleTools features and changes to existing features.
- **Known Issues:** This section contains any known issues related to PeopleTools products or third party products supported by PeopleSoft.
- **Resolved Incidents:** This section contains a summary of the resolved incidents for this release.

Upgrade Instructions

PeopleTools upgrades are performed using the PeopleSoft Upgrade Assistant. Data conversion scripts have been written in Application Engine and templates are needed to perform the upgrade. To find documentation and related information for your PeopleTools upgrade, visit www.peoplesoft.com. Be sure to log in to the site. From the Site index link (at the bottom of the page), select “U” and then “Upgrade Documentation and Software”.

Note. The PeopleTools-only upgrade instructions are no longer provided in the Release Notes. Refer to the upgrade documentation on Customer Connection for complete instructions on your upgrade.

Platform News

The following sections provide information regarding products supported by PeopleSoft.

For information about installing third-party patches, see the *Operating System, RDBMS & Third Party Patches Required for Installation* documentation posted on the Platforms Database on Customer Connection. To find it, choose **Patches + Fixes, Supported Platforms, Platform Communications (By Topic)**, and then choose **Platforms**. Note that the PeopleTools 8.20 release is part of the 8.1x codeline.

Note. Always check the Supported Platforms information on Customer Connection for the most current support information.

Cobol Compiler

In addition to previous versions, the following new versions of Cobol compiler are now supported for PeopleTools 8.20:

- ServerExpress 2.2 Service Pack 1 (most Unix)
- ServerExpress 2.2 Fixpack 1 (Tru 64)

Weblogic

Weblogic 5.1 SP13 is now supported (though not required) with the PeopleTools 8.20 release.

See the Platforms Database on Customer Connection for more information. Go to <http://www.peoplesoft.com>, log in, and select Supported Platforms from the Site Index.

Browser Versions

For troubleshooting information about browser related issues, refer to the Troubleshooting Browser Limitations document updated on Customer Connection for this release.

New and Changed Features

This section contains a summary of the new and changed features in the PeopleTools 8.20 release in alphabetic order by product. We recommend that you add any new instructions to your PeopleSoft documentation and make it available to the individuals who are most likely to use the feature.

PeopleCode

The following changes have been made to PeopleCode in the PeopleTools 8.20 release.

PeopleCode Transfer Function Changes

The PeopleCode **Transfer** function has a new optional parameter added to it, *AutoSearch*. The syntax is now as follows:

```
Transfer (new_instance,  
         MENUNAME. menuname,  
         BARNAME. barname,  
         ITEMNAME. menu_itemname,  
         PAGE. component_item_name,  
         action [, keylist [, AutoSearch]]);
```

The definition of the new parameter is as follows:

<i>AutoSearch</i>	Specify whether an automatic search on the target search page is executed after the transfer. This means the search results are already shown without the end-user having to click the Search button. This parameter takes a Boolean value: True, do an automatic search. The default value is False (that is, the user has to click the Search button).
-------------------	--

Meta-SQL Changes

The following note was added to the %TrimSubstr meta-SQL.

Note. If you trim a string of blanks, an empty string is returned on all database platforms except Oracle, when a string of a single blank is returned.

Fixes to Component Interface

Internally, when adding a new item to a collection, a new collection is created rather than using the current collection. Thus, the calling program references the old collection and not the new collection, which has the new data. This can cause errors such as the index out of bounds exception that's reported. This has now been fixed.

The Component Interface CopyRowset* functions were not sensitive to language code on PSCAMA. Thus, related language processing was not carried out when the language code on PSCAMA differed from the base language code. This has now been fixed.

New Internet Scripts Response Class Property

A new property was added to the Internet Scripts class.

DefaultStyleSheetName

This property returns the name of the default style sheet defined on the PeopleTools Options page. If not defined, PSSTYLEDEF is returned.

This property is read-only.

See *PeopleTools 8.14: Data Management, PeopleTools Utilities, PeopleTools Options*

PeopleSoft Application Designer

Please note the following for PeopleSoft Application Designer in the PeopleTools 8.20 release.

Creating SQL Views

Users must be sure to save record definitions of the SQL View type prior to opening the SQL Editor. Once the SQL Editor is open, the Save options are disabled and inaccessible. If you do not save your changes before opening the SQL Editor, you may lose your work.

PeopleSoft Application Messaging

The following change has been made to PeopleSoft Application Messaging in the PeopleTools 8.20 release.

Logging Location of MQSeries Error Messages

The ThirdPartyBroker.properties file contains a new property where you can specify the location of where MQSeries error messages are logged during inbound processing (posting) of messages to PeopleSoft systems. The new property is called:

FromMQSeriesErrorName

To use this feature, set the property equal to the name of the service you defined with the AMI (Application Messaging Interface) Administration Tool. This is where the error messages are logged.

The errors logged are those that occur on the PeopleSoft system. Any errors encountered are logged and the message is sent back to the MQSeries queue that you specify.

Examples of when errors can occur include the following:

- Message is invalid.
- Message XML is invalid.
- Sending node is invalid.

PeopleSoft Business Interlinks

PeopleTools made the following changes to Business Interlinks in the PeopleTools 8.20 release.

Allowing Redirects

The optional Redirect parameter specifies if redirection is allowed at the merchant URL. If set to YES, or not specified, then redirects are allowed at the merchant URL. When a redirect occurs, return_status_message is set to 200. If Redirect is set to NO, redirects are not allowed; however, if a redirect is attempted, return_status_message is set to 302.

Use the following syntax:

```
<parameter name="Redirect"
  type="enum(YES,NO)"
  required="false"
  default="value" />
```

Where *value* is either YES or NO.

Writing an XML Design-Time Plug-In

Setting Up a Business Interlink Runtime Plug-In

To write a Business Interlink runtime plug-in using C++, you need to set up the development environment on the UNIX system.

To set up for your Business Interlink Plug-in in UNIX:

1. Navigate to the <PS_HOME> directory and run the following command:

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

2. Test the setup by running the Business Interlink tester on the executable files in the simple directory.
3. Create the directory for your plug-in.

You can copy files from the sample directory to your plug-in directory.

```
cd $PS_HOME/sdk/psinterlinks/src/c++/samples
cp -rf simple yourplugindirname
```

4. Edit the makefile in your plug-in directory.

Replace “simple” with *yourplugindir*.

```
name = yourplugindir
```

- For AIX, replace “libext=so” with “libext=aix”.
- For HP, replace “libext=so” with “libext=sl”.

5. Create your Business Interlink Runtime plug-in.
6. Store the .cpp and .h files within the directory you created.

You can copy, rename, and use the .cpp and .h files contained in the simple directory as a template.

7. To compile and link your runtime plug-in, run the following make commands:

```
yourplugindirname\unix>make rulesfile
yourplugindirname\unix>make
```

PeopleSoft Component Interfaces

PeopleTools made the following changes related to Component Interfaces in the PeopleTools 8.20 release.

Copy pstools.properties to Component Interface Execution Directory

In previous releases, sites using UNIX servers received the following error when invoking a Component Interface through the PeopleSoft Java Object Adapter (PSJOA).

```
PSProperties not loaded from file
```

To resolve this issue, copy the pstools.properties file to the Component Interface execution directory.

Object Adapter

For PeopleTools 8.20, there is a new property exposed to Java programs. In addition, there are two methods related to this property. The name of the property is `OAType`, and it holds the value of the object adapter type. Exposing this property and supplying the associated methods enables you to detect possible data type mismatches between the database and the component interface object.

The new Java methods are:

Method	Description
<code>getOAType()</code>	Returns the object adapter type.
<code>getType()</code>	Returns the type of the property of a particular database field.

For example,

```
public static void printPropertyType(String propName,
    ICompIntfcPropertyInfo iPropertyInfo) {

    String strOAType = null;
    String strDBType = null;

    try {
        switch ((int)iPropertyInfo.getOAType()) {
            /* Object Adapter Type == 0 */
            case CIPROPERTYTYPES.PSPROPERTY_OA_TYPE_BOOL:
                strOAType = "BOOL";
                break;
            /* Object Adapter Type == 1 */
            case CIPROPERTYTYPES.PSPROPERTY_OA_TYPE_NUMBER:
                strOAType = "INTEGER";
                break;
            /* Object Adapter Type == 2 */
            case CIPROPERTYTYPES.PSPROPERTY_OA_TYPE_FLOAT:
                strOAType = "FLOAT";
                break;
            /* Object Adapter Type == 3 */
            case CIPROPERTYTYPES.PSPROPERTY_OA_TYPE_STRING:
                strOAType = "STRING";
                break;
        }

        switch ((int)iPropertyInfo.getType()) {
            /* Database Type == 0 */
            case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_CHARACTER:
                strDBType = "CHARACTER";
                break;
            /* Database Type == 1 */
            case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_LONG_CHARACTER:

```

```

        strDBType = "LONG_CHARACTER";
        break;
    /* Database Type == 2 */
    case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_NUMBER:
        strDBType = "NUMBER";
        break;
    /* Database Type == 3 */
    case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_SIGNED_NUMBER:
        strDBType = "SIGNED_NUMBER";
        break;
    /* Database Type == 4 */
    case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_DATE:
        strDBType = "DATE";
        break;
    /* Database Type == 5 */
    case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_TIME:
        strDBType = "TIME";
        break;
    /* Database Type == 6 */
    case CIPROPERTYTYPES.PSPROPERTY_DB_TYPE_DATETIME:
        strDBType = "DATETIME";
        break;
    }

}

catch (Exception e) {
    e.printStackTrace();
}

System.out.println("\n" + propName +
    " Object Adapter Type is: " + strOAType +
    ", Database Type is: " + strDBType);
}

```

PeopleSoft Process Scheduler

The following changes have been made to the PeopleSoft Process Scheduler product in the PeopleTools 8.20 release.

Changes to the PSADMIN Utility – Cache Settings Section

The *EnableServerCaching* and *ServerCacheMode* options have been removed from the Cache Settings section of the PeopleSoft delivered *psprcs.cfg* file. However, if you need to override the default settings you can enter these options into the *psprcs.cfg* file manually.

Note. The default setting for the *EnableServerCaching* option has been changed to 2. The default setting for the *ServerCacheMode* option remains as 0.

PeopleCode ProcessRequest Class Information

The PeopleSoft delivered ProcessRequest PeopleCode can only be used for processes that do not pass in extra parameters. This means that reports that require extra parameters can only be run from the Run Control page.

PSSQR.EXE Information

The executable program PSSQR.EXE is a wrapper program used by PeopleSoft Process Scheduler to run SQR reports. It is not designed to run manually outside of Process Scheduler.

Defining Process Output Types Clarification

Due to the fact that the Process Output Format Settings page uses information regarding output types, it's important to save any changes made to output type settings before attempting to change an output format setting.

Log/Output Directory

Subdirectories in the Log/Output directory will be deleted during the purging of the Process Request table when the output destination is anything other than WEB.

Note. For the process types of COBOL and Application Engine, the subdirectories in the Log/Output directory will not be deleted until purged.

PeopleSoft Query

The following changes have been made to PeopleSoft Query in the PeopleTools 8.20 release.

Adding Criteria Values Using the Condition In-List

Previously, a browser timeout would occur when trying to select values from a table that contained a large amount of data. A new Search option is now available, which uses a wildcard to limit the amount of data returned. For example, if the user enters a value of 10, the system will return all values, (up to a total of 300), that begin with 10, such as 10, 100, and 10069. The user can also enter a single value without having to use the Search option.

See *PeopleTools 8.14: Query, Specifying Query Selection Criteria, Entering Comparison Values, List*.

Translate Values and Unions Clarification

If translate values are used, PS Query appends fields to the select list in the SQL that are not specified in the select tab of query. This causes problems when making a union because the select fields must be the same for both sides of the union. Therefore, translate values, long or short description, cannot be displayed in a union query. Only the code for the field can be selected for output display.

Enable Auto Preview

PeopleSoft 8.20 includes the new Enable Auto Preview feature. Enable Auto Preview alleviates the need to click the Rerun Query link on the Preview page each time you want to preview the query's most recent changes. When you enable this feature, the query automatically runs each time you click the Preview tab.

To activate the Enable Auto Preview feature:

1. Click the Preferences link.

The Query Preferences dialog box appears.

2. Select Enable Auto Preview.
3. Click OK.

Running the PING_PAGE_RESULTS Query

When running a query for PING_PAGE_RESULTS, you must specify the exact test case identifier.

PeopleSoft Upgrade Assistant

Please note the following relating to PeopleSoft Upgrade assistant and PeopleSoft Application Engine in the PeopleTools 8.20 release.

Running Application Engine Programs on the Server

This is for all platforms. The Upgrade Assistant Templates are set to have the data conversion Application Engine programs run on your client machine. You can run them on the server for better performance. You will need process definitions for any Application Engine program you wish to run on the server from PeopleSoft Upgrade Assistant. Verify that the process definition exists and create them if they do not.

See *PeopleTools 8.14: Upgrade Assistant, Creating and Running the Upgrade Job, Running AE Processes on the Server, "Configure Process Scheduler and Application Server."*

PeopleSoft Tree Manager

The following changes have been made to PeopleSoft Tree Manager in the PeopleTools 8.20 release.

Copying a Tree to an Earlier Effective Date

Previously, nodes and leaves could lose their descriptions when users attempted to *Save As* or *Copy* a tree to an effective date earlier than the current tree's effective date. This was because the descriptions could have been entered after the effective date of the new tree. The users will now receive a warning.

Restrictions When Working With Tree Branches

Branch trees were designed to give multiple users the ability to maintain separate sections of the tree while working simultaneously. Due to the risk of conflicts the following actions are no longer allowed when working with tree branches. The system displays the corresponding message if a user attempts to perform any of the following actions:

Action	Comment
Moving nodes with sub branches.	Not allowed in order to keep tree branches independent.
Switching levels on nodes with sub branches.	Not allowed in order to keep tree branches independent.
Unbranching nodes with sub branches.	Sub branches should be unbranched first.

Performance Improvement When Working With Tree Branches

Performance has improved on branch trees for the following operations:

- Branching and unbranching tree nodes that have a large number of descendents.
- Switching levels.
- Moving nodes (Cutting and pasting)
- Inserting new nodes.

Edit Checks Performed While Updating the Range of a Leaf

Previously, edit checks were not being performed when the user modified the to or from range of a detail value. This problem has now been fixed. The edit checks performed include overlapping detail ranges, duplicate detail values, duplicate detail values under the same parent (if duplicate details are allowed in the tree).

See *PeopleTools 8.14: Tree Manager, Creating Trees, Granting Security Access to a Tree or Branch, "Performing Audits."*

Globalization

The following change applies to the PeopleTools Globalization product in the PeopleTools 8.20 release. Also included in this section is a correction to the release notes for Globalization in PeopleTools 8.14, 8.18, and 8.19.

Addition of Translate Application Data Page

The Translate Application Data page is now included in the PeopleTools 8.20 release. This page is used for translating system data for all applications, and makes the translation process faster and more precise. To use this page, you must be logged in using the base language.

To translate system data for all applications:

1. Select PeopleTools, Translations, Translate System Definitions, Application Data to display the Translate Application Data page.
2. Enter the base table name in the Record to Translate Field.
3. Select your target language from the Target Language Code drop-down list box.
4. If you only want to translate certain rows, click the Filter with SQL? link to display a new page.

Skip to step 6 if you want to translate all rows.

5. Enter a WHERE clause in the edit box and click OK.

This action transfers you back to the Translate Data page.

6. Click Search.

The system automatically displays all the translatable data:

- The name of the Related Language Record.
- The number of rows found (Values Found).
- The key names and their values for the table you are working with.
- The translatable fields (in English and translated, if translation exists).

7. Translate the appropriate fields.

Note. Be careful when using the Ignore? box for a translatable field. If you check this box again after translating a field with the box checked the first time, the message will not display and the system copies, in the base language, the text in the Base Text field over to the Lang Text field. This text will appear in all rows in the table. Therefore, do not use the Ignore? option simply to copy the information in the Base Text field to the Lang Text box. To remove an entry in the Lang Text box made under these circumstances, clear the Ignore? box and delete the entry.

PeopleBooks Correction

In Release Notes for 8.14, 8.18 and 8.19 we updated the Globalization PeopleBook with incorrect information. "Controlling the User Profile Language Preference," the following paragraph contains incorrect information (indicated in red):

Since this email event is triggered not by the person to whom the message is addressed, but by the requester, it does not make sense to send the message in the language preference of the sender; since the recipient may not understand that language. **Instead PeopleTools reads the User Profile language preference of the email's intended recipient and sends the email in that user's preferred language.**

As a workaround, you can set the email language with SetLanguage(). If there are multiple recipients with different language preferences, then individual emails could be sent to each recipient by creating a For loop around the SetLanguage and TriggerBusinessEvent calls.

For example, if the TO field is a Role mapped to a field SEND_TO_ROLE without route control, make the following changes:

1. Change the Field Map for the TO field in Activity email routing to "Roleuser by Oprid Qry" or "Rouser by Roleuser Qry". Map the bind variable to a field on the page, the value of which will be formatted at runtime in PeopleCode. For this example, assume it to be RECEIVER_ID. It can be a field of a derived/work record.
2. In the workflow event where the TriggerBusinessEvent is called, use the following code. Change the code in **red** according to the application.

```
Local Rowset &ROLE_USER;

/* Create a rowset to retrieve all users for the role */
&ROLE_USER = CreateRowset(Record.ROLEUSER_VW);
&ROLE_USER.Fill("where ROLENAME= :1", SEND_TO_ROLE);

/* loop through user list to send email to each one of them in their
language code */
For &i = 1 To &ROLE_USER.ActiveRowCount
    RECEIVER_ID = &ROLE_USER(&i).ROLEUSER_VW.OPRID.Value;

    SQLExec("Select LANGUAGE_CD FROM PSOPRDEFN where OPRID = :1", &OPRID,
&LAN_CD);
    &temp = SetLanguage(&LAN_CD);
```

```

    /* May need to check return code &temp for error .....*/
    /*.....Format any field that requires translation .....*/

    &temp = TriggerBusinessEvent(BusProcess."bus_proc_name",
    BusActivity."activity_name", BusEvent."event_name");

End-For;

/* set language code back to current user */
SQLExec("Select LANGUAGE_CD FROM PSOPRDEFN where OPRID = :1", %OperatorId,
&ORIGINAL_LANGCD);
&temp = SetLanguage(&ORIGINAL_LANGCD);
/*.....Or &temp = SetLanguage(%Language).....*/

```

PeopleTools Portal Technology

The PeopleTools 8.14 Portal Technology PeopleBook provides an overview of PIA technology, and discusses the base portal technology delivered with PeopleTools.

The following change has been made in the PeopleTools 8.20 release.

Pagelet Name and Usage Type

In the current release, please note that when you define a portal pagelet, the following new requirements apply:

- The name of your new pagelet can consist of any combination of letters, digits and underscores, but it must not contain any spaces or begin with a digit.
- The usage type you specify for the pagelet definition must be *Pagelet*.

Content References (CREFs)

Defining External URLs

When defining external URLs, you must add a trailing slash when parameters are not included. For example,

<http://www.yahoo.com/>

PeopleTools Security

The following changes have been made to PeopleTools security in the PeopleTools 8.20 release.

SwitchUser Is Not Supported in Application Engine

Do not use the PeopleCode function SwitchUser in PeopleSoft Application Engine or in asynchronous subscription PeopleCode.

SYSAUDIT Procedure Added to Validate PSAUTHITEM Table Entries

The SYSAUDIT procedure "(OPSEC-28) Invalid entries in the PSAUTHITEM table" was added to SYSAUDIT.SQR. This identifies invalid, obsolete, or unwanted entries in the PSAUTHITEM table. If any items are found by the new procedure, they should be deleted. Use a DELETE FROM PSAUTHITEM statement with the same WHERE clause as is used in the audit procedure itself.

Restarting the Application Server After Changing the Password Setting

After changing the password setting under Password Controls, Security Policies, you must restart the application server in order to clear the server's local cache. In a multiple application server environment, this means that you must restart every application server connecting to the database.

PS/nVision

The following changes have been made to PS/nVision in the PeopleTools 8.20 release.

Process Scheduler Run Status for Report Books May Display as *Error* Temporarily

When running a Report Book with "ignore runtime errors" option, the Process Scheduler run status may display the status of *Error* for the report book instance during processing, and then change to *Success* when complete. This problem has now been fixed. The Process Scheduler run status is not updated until all requests in the Report Book have been processed.

DrillDown on the Web For Reports With File Output

You can now drill down on the web for a report that has been run as file output. To use this feature you must enter a value of 1 for a new option, EnableDrillDownForFile, which has been added to the PS/nVision section of the Process Scheduler configuration file.

<p>EnableDrillDownForFile</p>	<p>Using PS/nVision on the web. Indicate whether you want to enable drilldown on a report with the output type of file.</p> <p>1 = Enable drilldown.</p> <p>0 = Disable drilldown. (Default).</p>
-------------------------------	---

The following needs to be set in configuration.properties (located in the web server). In weblogic for example, this is found in C:\Apps\weblogic\myserver\psftdocs\peoplesoft\configuration.properties.

Set enableDirectLink=true

This setting lets PIA direct you to the specified page when coming from Excel.

Drilldown Using FTP Transfer Protocol

Previously, PS/nVision was unable to do drilldown on the web if the report node definition was set to FTP. This has been fixed.

Data Management

The following topics describe the changes made to Data Management in the PeopleTools 8.20 release.

PeopleBook Update: Message Catalog

The following affects the PeopleTools 8.14 Data Management PeopleBook book, Chapter 4 – PeopleTools Utilities, Text Control.

The following note in the Message Catalog section is in error:

Note. You can add your message and message sets to support new or customized functionality in your system. You can also edit the messages that PeopleSoft delivers. In both of these cases, remember that PeopleSoft reserves all message set numbers up to 20,000. If you've added a message set or edited a message set with a number less than 20,000, it may be overwritten in future upgrades.

The following is the amended note:

Note. You can add your message and message sets to support new or customized functionality in your system. You can also edit the messages that PeopleSoft delivers. In both of these cases, remember that PeopleSoft reserves all message set numbers in the range of 20,000 to 30,000. If you've added a message set or edited a message set with a number less than 20,000, it may be overwritten in future upgrades.

System Audits

Query Integrity

PeopleSoft has added the following audit queries to the Query Integrity system audit:

Query	Description	Resolution
QUERY-25	This audit identifies any blank query names.	You must either rename the query or delete the query.
QUERY-26	This audit identifies queries that contain unions but select an unequal number of fields.	Ensure that every select statement in the query has an equal number of fields selected. These fields must also match in display type and length.

In PeopleTools 8.14: Data Management, Data Integrity Tools, "SYSAUDIT" in the Understanding SYSAUDIT Output section there is an error in the table for QUERY-24, the resolution column has been amended as follows:

Query	Description	Resolution
QUERY-24	Following Queries were created with name UNTITLED	Queries should not be saved as UNTITLED. You should either rename or delete these queries.

SYSAUDIT Addendums

The following SYSAUDITS are an addendum to those already published in the PeopleTools 8.14 Data Management PeopleBook.

Application Engine Integrity

The following table contains the audits and resolution for this area:

Query	Description	Resolution
AE-10	AE TempTables attached to Invalid AE programs	If the affected temp table was delivered by PeopleSoft, contact the GSC. If the affected program was converted as part of an upgrade, this may be a symptom that the conversion failed. Contact the GSC. Otherwise, ignore the warnings or restore the program from a backup. It is not possible to recover the missing programs.
AE-13	Verify enough rows loaded into PS_AEONLINEINST	Contact the GSC. This table is a critical component of the Application Engine Runtime.
AE-14	Verify enough rows loaded into	Contact the GSC. This table is a critical component of the Application Engine Runtime.

	PS_AEINSTANCENBR	
AE-15	Verify a row is loaded into PS_AELOCKMGR.	Contact the GSC. This table is a critical component of the Application Engine Runtime.

Related Language Integrity

The following table contains the audits and resolutions for this area:

Query	Description	Resolution
SYSLANG-15	The following Related Language field(s) is orphaned.	<p>For each row on the related language record there must be a single row on the base table with matching keys. An orphan row is a row of data on the related language record that doesn't have a corresponding parent row on the base table. Orphan rows must be deleted. Select against the related language table using the key fields listed in the report to find discrepancies. To fix this problem, use your platform's query tools to select against the related language table; use the fields listed in the report, where the values do not match a row on the base table. For every row on the report there is an orphan row on the table. Do a SELECT first to ensure you are getting the same row count as the report then delete the selected rows.</p> <p>Here is a sample SQL for a Microsoft SQL Server database.</p> <pre> SELECT * FROM PSCONTDEFNLANG A WHERE NOT EXISTS (SELECT 'X' FROM PSCONTDEFN B WHERE A.ALTCONTNUM = B.ALTCONTNUM AND A.CONTNAME = B.CONTNAME AND A.CONTTYPE = B.CONTTYPE) DELETE FROM PSCONTDEFNLANG WHERE NOT EXISTS (SELECT 'X' FROM PSCONTDEFN B WHERE PSCONTDEFNLANG.ALTCON TNUM = B.ALTCONTNUM AND PSCONTDEFNLANG.CO NTNAME = B.CONTNAME A ND PSCONTDEFNLANG.CON TTYPE = B.CONTTYPE) SELECT * FROM <Related Language Record> A W HERE NOT EXISTS (SELECT 'X' FROM <Base Record> B WHERE A.<Field Name> = B.<Field Name> ...for each field name listed) </pre>

Security Integrity

The following table contains the audits and resolutions for this area.

Query	Description	Resolution
OPSEC-17	Primary Permission List specified for user does not exist in the Permission List	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, then select a valid Primary permission list, and save.

	Definition table.	
OPSEC-18	User named in a User-Role relationship does not exist in the User Definition table.	Issue a DELETE FROM PSROLEUSER with the same WHERE clause.
OPSEC-19	Role named in a User-Role relationship does not exist in the Role Definition table.	Issue a DELETE FROM PSROLEUSER with the same WHERE clause.
OPSEC-20	Role named in a Role-Permission List relationship does not exist in the Role Definition table.	Issue a DELETE FROM PSROLECLASS with the same WHERE clause.
OPSEC-21	Permission List named in a Role-Permission List relationship does not exist in the Permission List Definition table.	Issue a DELETE FROM PSROLECLASS with the same WHERE clause.
OPSEC-22	User-Permission List relationship does not exist in the User-Role-Permission List relationship tables.	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, delete a role from that user, save, add the role back to the user, and save.
OPSEC-23	User-Permission List relationship is missing based on the User-Role-Permission List relationship tables.	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, delete a role from that user, save, add the role back to the user, and save.
OPSEC-24	Row Level Security Permission List specified for user does not exist in the Permission List Definition table.	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, select a valid Row Security permission list, and save.
OPSEC-25	Process Profile Permission List specified for the user does not exist in the Permission List Definition table.	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, select a valid Process Profile permission list, and save.
OPSEC-26	Navigator Homepage List specified for the user does not exist in the Permission List	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, select a valid Navigator Homepage permission list, and save.

	Definition table.	
OPSEC-27	Access Profile specified for user does not exist in the Access Profile table.	Navigate to the User Profiles component in Security (PeopleTools, Maintain Security, Use, User Profiles). Open the User named in the result set, select a valid Symbolic ID, and save.
OPSEC-28	Invalid entries in the PSAUTHITEM table.	This identifies invalid/obsolete/unwanted entries in the PSAUTHITEM table. If any items are found by the new procedure, the fix is to delete them. Use a DELETE FROM PSAUTHITEM statement with the same WHERE clause as used in the audit procedure itself.

Page Integrity

The following table contains the audits and resolutions for this area:

Query	Description	Resolution
PAGE-01	Page definition's page field count is not equal to the count of its page fields in the PageField table, and there is at least one row in the PageField table for that page.	Enter the following SQL: <pre>SELECT COUNT(*) FROM PSPNLFIELD WHERE PNLNAME = 'x'; UPDATE PSPNLDEFN SET FIELDSCOUNT = count WHERE PNLNAME = 'x';</pre>
PAGE-02	Page definition's page field count is not equal to zero, but there are no rows in the PageField table for that page definition.	Enter the following SQL: <pre>UPDATE PSPNLDEFN SET FIELDSCOUNT = 0 WHERE PNLNAME = 'x';</pre>
PAGE-03	A subpage contains itself as a page field.	Change each of these page fields in the page definition to reference a different subpage.
PAGE-04	A row in the PageField has no corresponding row in the PageDefinition table.	Issue the following SQL: <pre>DELETE FROM PSPNLFIELD WHERE PNLNAME = 'x';</pre>
PAGE-05	A subpage-type page field has no corresponding row in the Page Definition table for its specified subpage.	Change each of these page fields in the page definition to reference an existing subpage.
PAGE-06	A page field's specified record/field has no	Change each of these page fields in the page definition to

	corresponding row in the RecordField table.	reference an existing record/field.
PAGE-07	A row in the ComponentItem table has no corresponding row in the ComponentDefinition table.	Issue the following SQL: <code>DELETE FROM PSPNLGROUP WHERE PNLGRPNAME = 'x' ;</code>
PAGE-08	A component item's specified page has no corresponding row in the PageDefinition table.	Use the component definition to replace each of these component items with one that references an existing page.
PAGE-09	A component's specified access detail page has no corresponding row in the PageDefinition table.	Use the component definition to change each of these components to reference an access detail page that exists.
PAGE -10	A component's specified search record has no corresponding row in the RecordDefinition table.	Use the component definition to change each of these components to reference a search record that exists.
PAGE-11	A component's specified add search record has no corresponding row in the RecordDefinition table.	Use the component definition to change each of these components to reference an add search record that exists

Generating Cache and Replay Files When an Application Server Instance Crashes

Since PeopleTools 8.18, PeopleSoft has provided a configurable mechanism to generate cache and replay files when an application server instance crashes. In PeopleTools 8.20, we have introduced some modifications in the configuration settings.

Here are the modified settings in the configuration file (psappsrv.cfg):

1. When a crash occurs, the system creates a directory in the domain's LOG directory. The naming convention of the directory continues to be the same as in PeopleTools 8.18.
2. When a crash occurs, the crash dump is always written to a separate file. The setting "Write crash dump to separate file" is no longer required. The dump file is written into a directory in the domain's LOGS directory.

3. There is a new setting in the [Trace] section of the config file for writing the memory image of the crashed process for the Microsoft Windows Operating System. (This functionality is not for non-Windows platform). This setting is called `DumpMemoryImageAtCrash`. If the value for the setting `DumpMemoryImageAtCrash` is **MINI**, a mini memory image (size <=64K) is generated. If the value for the setting `DumpMemoryImageAtCrash` is **FULL**, then a full memory image is created, which can be quite large, depending on how much memory is being used by the application. This memory image is in the same location as the replay file.
4. The settings `DumpMangerObjectsAtCrash` and `DumpMemoryImageAtCrash` are dynamic. That is, the application server doesn't need to be restarted in order for these settings to be effective.
5. If the setting `DumpMangerObjectsAtCrash` in the trace section of psappsrv.cfg is set to **Y**, then the application server instance:
 - a) Generates the replay file.
 - b) Dumps the customized objects being used by the current service request into the special cache directory (which is the same behavior as in PeopleTools 8.18 and 8.19). The cache directory is in the same location as the replay file.
 - c) If the value for the setting `DumpMemoryImageAtCrash` is **NONE** and the platform is MS Windows (Win NT or Win 2000), a mini memory image is created.
6. There is no separate setting for generating the replay file. This file is generated as mentioned above.
7. Irrespective of the setting `DumpMangerObjectsAtCrash`, a summary report of objects in each managed type, for which at least one object is loaded in memory, is written to the dump file or application log file.

The summary report resembles the one as shown below:

```

PDM  Definitions:  Total=36      Customized=0      In-Use=10
RDM  Definitions:  Total=53      Customized=52     In-Use=50
MDM  Definitions:  Total=1       Customized=0      In-Use=0
PCM  Definitions:  Total=199    Customized=0      In-Use=3
PGM  Definitions:  Total=1       Customized=0      In-Use=1
CRM  Definitions:  Total=67     Customized=0      In-Use=0
SSM  Definitions:  Total=1       Customized=0      In-Use=1
CLM  Definitions:  Total=1       Customized=0      In-Use=0
UPM  Definitions:  Total=1       Customized=0      In-Use=0

```

The **Total** indicates the total number of in-memory definitions being used by current service. **Customized** indicates how many of those objects are customized, and **In-Use** indicates how many of those objects were being used at the time of the crash.

If `DumpMangerObjectsAtCrash` is set to **Y**, the summary for each managed object type follows the list of customized objects that are being dumped as part of the crash information gathering. If a customized object is in use, its name is prefixed with an asterisk.

A sample report for a managed object type is shown below:

```
RDM(PSOPTIONS/ENG)
*RDM(PSTREEDEFNLBLS/ENG)
RDM  Definitions:  Total=10      Customized=2      In-Use=1
```

SQR

The following clarification has been made to the SQR for PeopleSoft Developer's guide in the PeopleTools 8.20 release.

Images

PeopleSoft does not support rendering 2 bit GIFs images in SQR when the PDF output format is specified.

Workflow

PeopleTools 8.20 provides the following updates to PeopleSoft Workflow.

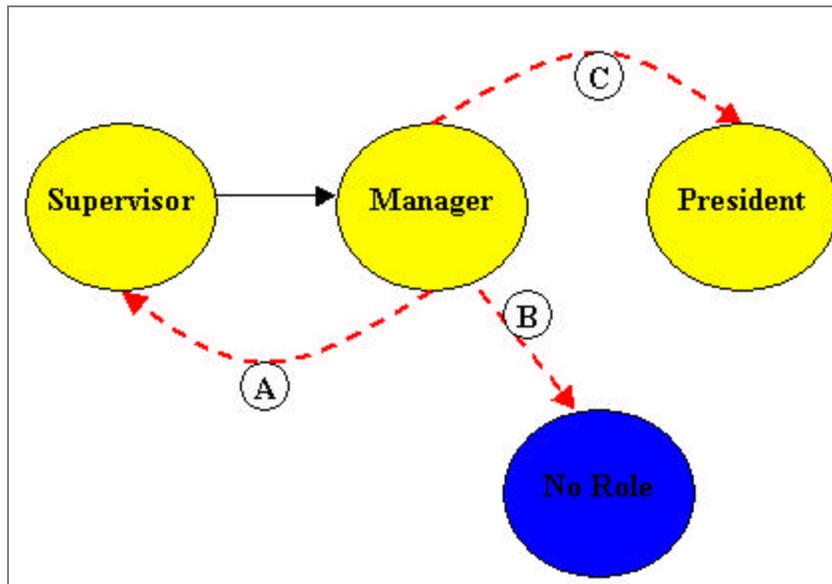
Worklist Page and Worklist Details Page Modifications

The Worklist page and the Worklist Details page have been modified in the following ways:

- Fields now appear within a grid rather than a scroll area, which enables the information to be displayed more efficiently.
- Additional labels appear on the pages to provide improved descriptions of the information on the pages.

Reassigned Worklist Item Behavior Modifications

The following diagram depicts three scenarios involved in worklist reassignment working in conjunction with the virtual approver. Slight modifications have been made to scenarios A and B.



Worklist Reassignment Scenarios

Scenario A

In this scenario, a worklist item is reassigned to a user within the supervisor level.

The previous behavior of the system in this scenario is as follows. Upon approval, a message appears stating that the Worklist needs Manager Approval (if a Message Catalog is used in the Approval Rule Set). At this point if the worklist is sent to Virtual Approver, then it is completely dropped from the user's list.

Scenario B

In this scenario, the worklist item is reassigned to a user with no approval authority.

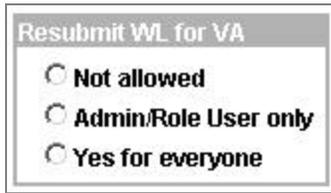
The previous behavior of the system in this scenario is as follows: upon approval, the system completely drops the worklist from the user's list with no message shown.

Scenario C

In this scenario, the worklist is reassigned to a user within the president level, who can then approve the item. This behavior is correct and has not been modified.

PeopleTools 8.20 Modifications Addressing Scenario A and B

The following options have been added to the Worklist System Defaults page.



Resubmit WL for VA options

Note. "VA" refers to Virtual Approver.

Not allowed

In scenario A, the system presents an error notifying the user that this approval had been submitted before. The system will not allow the user to resubmit for approval.

In scenario B, the system presents an error expressing the fact that the user to which the worklist is being assigned does not have the appropriate approval authority.

In both scenario A and B, the transaction can't be completed and saved.

Admin/Role User only

Only an administrator or the user that has the appropriate role on one of the approval steps can save and resubmit worklists for approval. In scenario B, the system treats this situation as a resubmit from the originator.

Yes for everyone

The system does not present error messages. All users can save and resubmit worklists for approval. In scenario B, the system treats this situation as a resubmit from the originator.

PeopleSoft Internet Architecture

The following changes were made to the PeopleSoft Internet Architecture.

Right Align Flag for Application Server Configuration File

The following update affects the chapter titled "Application Server" in the PeopleTools 8.14 Internet Architecture Administration PeopleBook.

To correct an Internet Explorer bug that prevents proper right alignment of number fields on a page, the following flag has been added to the PSTOOLS section of the Application Server configuration file (psappsrv.cfg).

Right Alignment IE Fix	Set to correct the right alignment problem for
------------------------	--

	<p>number fields displayed in Internet Explorer.</p> <p>0: Off.</p> <p>1 (or any non-zero value): On.</p>
--	---

Resolved Incidents

The following table describes the incidents that were fixed in this release. The table is sorted by product area, so incidents affecting more than one product area may appear more than once.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Application Designer	1559107	107168000	With Change Control on, the Build pop-up menu item (in a project) is not working consistently.	Software change to reinstate the Build, Current Definition menu option to be enabled for an unlocked, read only record definition when change control is on. The Data Administration, Indexes menu option will remain disabled when change control is on and a record object is read only.
Application Designer	1953675, 1979284, 3061362, 3071595	140977000	PeopleTools closes when attempting to import project from File (HRMS Bundle #7)	Fixed in this release.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Application Designer	1958284, 1970078, 1974527, 1979923, 1982273, 1982545, 1982752, 1982788, 1984493, 1986854, 1987233, 1991627, 1991659, 1999225, 2000538, 2001841, 2007035, 2012396, 2013982, 2019379, 2050960, 3007796, 3007804, 3040684, 3047558, 3058527, 3077247, 3080315, 3098837	101787000	Change Control, definition locking not functioning as designed in PeopleTools release 8.42.	Software change to fix an error that was occurring after logging off and then on again and copying a project. The system cannot insert a null value in a non-null column.
Application Designer	1971274, 1989566, 2003671, 2037761	136366000	Seeing one person debugging another person's peoplecode signon session when using Break-At-Start for debugging.	There was an issue with using GenGetOption to retrieve the Appserver's OperId. Software change made to replace GetGetOption with PS_GetStringSetting.
Application Designer	3017983, 3025437, 3030703, 3036606, 3079164	115563000	PeopleCode Debugging on Multiple IP Address Machines	Software change to ensure the correct IP address is in the bind address.
Application Messaging	1780432	144328000	MQSeries Publishing to PeopleSoft problem	See PeopleSoft Application Messaging entry in these Release Notes for details.
Application Messaging	1821809	134837000	USER_PROFILE Message Subscription fails after changing password using Forgot Password Link.	Modified internal code.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Application Messaging	1839312	115664000	8.18 Invalid XML being generated by SimpleFileHandler	When the "Include header" checkbox is selected for the simple file handler, incorrect XML is generated. Software change to SimpleFilePublicationHandler.java to resolve this.
Application Messaging	1875398	130093000	Partitioning a field in a channel can result in different subchannel creations depending on the message	Modified code to include only one data instance in the partition for each partitioned field.
Application Messaging	1977881, 3017391	131811000	Application Messaging servers receiving large number of messages "blocking condition with Tuxedo on the client."	Tuxedo ubbgen does not compute the right number of entries in the Bulletin board when the Pub/Sub handler or the AE server handler is configured higher than usual. Modified application server code to resolve this issue.
Application Messaging	2015689, 2033945, 3000854, 3002994, 3013843	569378000	SimpleFileHandler outputing null characters at the end of message.	Added a variable to store the number of bytes returned by the inflate method in simplefilepublicationhandler. Used a new java string constructor to interpret UTF-8 data using the number of bytes from above. Added an outputstreamwriter with UTF-8 encoding to insure java string gets written out in UTF-8 encoding.
Application Server	2023122	114916000	The default application server configuration for PT819RC2 cannot support 20 users for performance test via Mercury Astra.	Modified application server code.
Application Server	1761453, 1804983, 1845683, 1854023, 3032158	574892000	EnableDBMonitoring=1 causes Application Server crash with SQL Server 2000, when a really long user name is used.	Modified application server code.
Application Server	1902722, 1915980, 1998333, 2039358, 3001191, 3015262, 3058629	103125000	PT 8.18.07 - PSAPPSRV - exception: Illegal instruction - AIX - DownToChild	Change to the CPSBufContext::DeserializeScrollContext() code.
Application Server	1983819, 2012102, 2018371, 3017210	147451000	Prevent client from retrying requests to application server when request has completed but flagged Jolt Error.	Changed webserver retry logic so that we do not resubmit the request when there is a Service Error (due to application server timeout or crash). The request is resubmitted only when there is a communication error.
Application Server	2036085, 3069972, 3075917, 3079858, 3085127, 3091937, 3101623, 3107371	606513000	PT 8.19.06 - Trace on Web starts trace for all users.	Modified code to reset the context instance which stores the user's trace settings.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Business Interlink	1970162	117663000	Business Interlinks: cannot determine if a HTTP redirect was followed.	Modified code to make redirect optional. See PeopleSoft Business Interlinks section of these release notes for details.
Business Interlink	1839483, 1939333	575623000	Cannot connect to Planning Server through PIA.	Modified code in src/psio_sccomm/CPTiSocket.cpp. The dll affected is psio_sccomm.dll.
Business Interlink	1905069, 2023804, 3023077	115138000	8.1xFP:Business Interlink on HP-UX 11: C++ source of Simple delivered in SDK\HPUX_11_00\sdk.tar is Windows specific and fails to compile with Unix compiler.	Renamed the upper-case directories to lower-case and provided a new set of makefiles.
Business Interlink	2017738, 2035922, 3049498, 3062514, 3062547, 3063571, 3105231	580726000	Credit Card Business Interlink failure causes application server and Process Scheduler to dump.	Two new objects were added to jniinstance classes. One stores the jvm signals and one stores PeopleSoft's. Also added 2 public methods to start java signal handling and end java signal handling (which also restores PeopleSoft's signal handling).
COBOL	1803120	121099000	Journal Edit received error "Remote program PTPECOBL failed with return code: 9976, Reason: UTF8->UCS2 conversion failed for bind number 430217, In section:SQLRT: PROCESS-SETUP(BIND) (2,-1) At FSCOMBO_LIBR.EditComb.GBL.default. 1900-01-01.EditCF.OnExecute	In PTPESLCT the size of storage reserved for each field is retrieved from the database. Software change for character fields in Unicode mode so the code now multiplies the size retrieved from the database by three. This ensure that there will be enough space available if/when a UTF8 representation of a value is longer then the DB length. Also modified PTPECOBL to adjust the cache (divide by three) FIELDLEN being passed to PTPNETRT (in the CA200-SET-NETRT section) in the case where the field is of type CHARACTER and user is in Unicode mode.
COBOL	1842403, 1903781	571660000	Global Payroll CH payroll/absence run control running with Trace All Elements option checked fails on DB2.	Modified code so that on DB2OS390, we are now padding the last 4 characters of the system time with zeros instead of with spaces.
Component Interface	1953828	134221000	Allow multiple inserts into an effective dated table from a Component Interface.	Modification to PeopleCode. See "Fixes to Component Interface" in PeopleCode section in these Release Notes for details.
Component Interface	1976123	583672000	Component Interface is rounding a number to six decimal places, when the format is eight decimal places.	Modified code to store the number of decimal positions in CPSVariant and build the correct format for the conversion. For example, %.8f for a field property that has 8 decimal positions defined in the record field. See discussion for implementation details.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Component Interface	3011572	584179000	Java API - PT 8.18.02 and later, getPropertyByName() API returns object of type String instead of Float.	Problem is that getPropertyByName(...) returns a String Object regardless of the underlying field type. However, in order for WebMethods connector to work, they need to be able to determine the property's type. The fix exposed the object adapter type so that it can be used in conjunction with the database type to determine the property's underlying type. For example, a property with database type of Number can be determined whether or not it is Float or Integer.
Conversion Scripts	2032157	579176000	REL scripts for Informix PT 8.42 have incorrect default definitions.	Modified REL scripts to resolve this issue. Changed all references of DECIMAL(n) to DECIMAL(n,0).
Crystal Reports	3047417	598364000	Crystal - PSCRRUN.EXE - unable to use Dos Command password greater than eight characters.	Modified the size of the array m_szOprPswd to accomodate longer passwords in the pscrrun.h file.
Crystal Reports	1920591, 1928673, 1945569, 1948326, 1962193, 2036711, 2057660, 3021147	113753000	Parallel Crystal processes ended error status (Process is marked "INITIATED" or "PROCESSING" but no longer running).	Software change to place a mutex around the fetching code so that only one process at a time can hold the values. This guarantees that the memory handle is always valid within the process.
Crystal Reports	2019144, 3026152, 3031313, 3044330, 3048803, 3071610, 3072192, 3089301, 3098693, 3101138, 3105392, 3106673, 3108000	574858000	8.41.07 - When one crystal report hangs, all following crystals will run to error until all pscrrun.exe's are killed from Task Manager and Process Scheduler is rebooted.	Revised logic in internal code.
Crystal Reports	2024539, 3037472, 3087902	573771000	PeopleTools 8.19 & Crystal Reports 8.0 is doubling field lengths.	Modified code to check whether the database is Unicode or not to determine whether or not field lengths should be doubled.
Crystal Reports	2026229, 2045990, 2059236, 3014287, 3028707, 3069082	576568000	Web: Crystal Reports cannot be opened in a .xls format using Excel XP on Windows 2000 PCs.	Added a new "else if()" block to handle .xls format file. Added default options for the .xls files also. Default options are defined in \$/pt81/src/inc/nonps/uxfxls.h

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Cube Manager	1421176	126442000	Return code [4294967295] [Essbase Error: 1003014] Unknown Member [] in Data Load, [0] Records Completed	PeopleCode change to accomodate the exception handling relating to Invalid combination of Meta-Data: None and Data: Create/Update for Essbase platform.
DataMover	2033063	576555000	Unable to run datamover scripts to import data - Exception Code=c0000005; access violation (the memory at 0x02fa2000 - PSDAM.dll	Datamover was not handling single character tablespace names correctly. Modified code to allow for this.
DataMover	1742461, 2046349, 3058831	117702000	Cannot Swap Demo Tables with DMS SWAP_BASE_LANGUAGE command.	Swap_Base_Language command was not working in Data Mover on the Sybase platform when swapping a table with a long column. Changed the code so that for Sybase platforms the system doesn't create the where clause when checking for nulls of long columns.
EDI Manager	3026783	106999000	In EDI outbound map definition, after trying to populate the fields of target records under tab 'Target Business Doc layout', the fields are listed in alphabetical order instead of being ordered by field number.	Added an order by clause to PeopleCode. Also added the 'FIELDNUM' field to a view such that 8.20 is comparable with previous releases to maintain consistency.
General	1899907	138442000	Help does not work with PeopleSoft Navigator Notes.	Modified HTML object PT_PIAHDR to look for ICHelp URL through all frames and child frames and forms.
General	1979907	116653000	Early Adopter (GMCR) PT8.19 does not allow reload of eStore home page after initial page load.	Modified save warning code to append / to winhref if the pathinfo is not ended with / before used to compare.
General	1868708, 3036150, 3037688	113208000	More instances of PSJobs processing than what is configured in Max Concurrent for Process Type.	Software changes include: code modification in SchedulerQueue.cpp; new function in SchedulerQueue.cpp; and additional function prototype in SchedulerQueue.h.
Global Technology	1999606	566473000	Non-English users are viewing Hint Questions defined for the English users.	Added PPSWDHINT_LANG as the related language record of PPSWDHINT_SRCH. This is required for the search page of the password hint page to display the contents according to the correct user logon language.
Global Technology	2031795	574797000	Login language is Canadian French but Session Expired Page appears in English.	Appended the language code of the current session to the expire page URL when it is generated.
Global Technology	3019391	597830000	Translation of HRMS menu(s) incorrect after SWAP_BASE_LANGUAGE.	Added PeopleCode to the supporting records of the TRANSLATE_MENUITEM page so that for all new and changed menus, the separator line will be automatically added to the PSMENUNITEMPLANG table.
Install & Packaging	1966629	141251000	Backport T-DYOUNG-4R24Y Extra masking on fields in Configuration Manager	Code changes to provide extra masking on password fields in Config Manager, hence removing the vulnerability of decrypting password.
Internet Client	1925650	119722000	PT 8.18: How to get the forgot password link on home page to display in different languages.	Updated code to display message in different languages.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Internet Client	1940598	121053000	PT 8.18 PeopleTools hard-coded to get content from /servlets/cs/cache	Modified iclientservlet code to resolve this issue.
Internet Client	1541175, 2002994	125631000	Customer wants to know the source of: Userid "PTDMO" with the clientid "JniClient."	Jolt session is created with hard-coded values of PTDMO and JniClient.
Internet Client	3020857, 3041034	589146000	In Application Designer, long type field does not truncate information even when max length is set.	Added code to truncate string if it exceeds the maximum length before updating it in the database.
LDAP	1925890, 1929553	131465000	When using LDAP over SSL - LDAP authentication appears to use LDAP v2 instead of LDAP v3.	The system now sets the LDAP version to 3 for SSL connection as is done for normal connections.
Mass Change	1291639, 1440810, 1790269, 1846482, 1878124, 2016234	132456000	When running Mass Change through the Web customer cannot see all the subsequences of an execution sequence after the SQL has been created.	Modified the page field properties by checking the "Display Navigation Bar" setting for the second level scroll area of the MC_DEFN_02 page.
Message Agent	1926172	139429000	Problems with inserting a row on a grid that has been sorted by a column heading.	Resolution involved a a Windows Client runtime specific change. Specifically, the fix is in the Windows Client Grid case. No longer necessary to do the PnlScrollNext() step when inserting rows to the grid. The grid no longer allows the current row to be the last one.
Message Agent	1957499, 2018809, 3075451	131618000	Create unique utility ID for DB2 OS390 %UpdateStats (Runstats)	Modified internal code.
PS/nVision	1390892	101478000	Logo not showing up when running through the web.	Excel creates PNG and WMZ format image files when it generates Web pages. The psreports servlet was compressing these images and the browser seemed unable to decompress the returned content. This fix sets the CompressOutput flag to false for these image formats.
PS/nVision	1472040	110472000	Run Controls used should default to the output/printer selected when you last ran a Report Book.	Modified code so that Run Controls default to the last used output/printer.
PS/nVision	1880657	101177000	Wrong Status on the Process Scheduler when report book is run.	Modified code so that users can now tell when PS/nVision has successfully generated reports.
PS/nVision	1923487	143971000	Assertion (lpLabel) Failed error and Application error occurred by using JPN template.	Resolution is to retrieve SetID from database only if not processing related language record (that is, we are processing base language record). If we are processing related language label, PS/nVision will use the existing lLitSetID retrieved before - from the lpBaseLabelCtl.
PS/nVision	1923733	563450000	All PS/nVision reports based on summary trees, when Nploded, they do not return data.	Added code to move the values of bNplodeNode and bNplodeDetail in NamFieldTranslate (namfield.cpp).

Sub-Product	Case ID	Report ID	Incident Title	Resolution
PS/nVision	1946334	126140000	Scope is getting saved even after the Save permission for the scope is removed.	Modifications to SaveEdit PeopleCode section of field BUSINESS_UNIT in the NVS_SCOPE record.
PS/nVision	1961662	136253000	Wrong Tree Selector Length when Query uses IN TREE criteria in PROJECT_GL structure.	Modified SetFieldName function to correctly set the field size. Also added a check so that if (m_nFieldSize <= 0), then grab the FieldSize length, otherwise do not overwrite the correct m_nFieldSize already set by TAM in GetDimensionInfo.
PS/nVision	1962109	122767000	All of the PS/nVision report instances that have the fiscal year variable (%FY2,LACTUALS%) return only a single digit of "2" instead of two digits of "02." %YEAR,RGLCOMMON% (YY)	Modified code so that FY2 is treated as a string literal since this is a date. Added an apostrophe to the beginning of the 2 digit year.
PS/nVision	2006371	576181000	Report Request runs to "No Success" if security template has over 200 characters (including spaces).	Changed line 1578 in function NvsProcessWebReport(). Used the larger constant, NAM_MAXTEMPLLEN, which is 254 characters because the security template on Report Request page accepts 254 characters.
PS/nVision	3033311	593272000	8.18.07 PS/nVision prints to a default print, if a wrong UNC is given.	Modified code so that it validates for printer name using openprinter(..) call. If it is an invalid name, it logs the error and halts the PS/nVision Report Process. In cases when there is no printer name given ie., in "Process Scheduler Request" page, the validation is ignored and the report output is redirected to the default printer.
PS/nVision	3064648	100939000	Scope based PS/nVision Report Request with "Email" output type is not working.	Modified logic in code so that when an email list is created from the email template, the system checks for the variable: bPopulateEmailTable. If it is set to true, the system updates the two tables (when it calls GenProcessDistList()), Otherwise if it is set to false, process scheduler gets the email list from the database instead of creating it again.
PS/nVision	1555890, 1736725, 1924993, 1934604, 1973955, 3023546, 3023567	122964000	Unique constrainterror while running Report Books.	Modified code so that message log resets for each report book. This way the sequence number is read from the database to avoid the unique constraint error.
PS/nVision	1883461, 1887258, 1901276, 1904990, 3034613, 3069034, 3074739	117622000	Recurring PS/nVision reports distributed via e-mail do not generate e-mail after the first run.	Modified the EmailInstance function in PS/nVision and added a new Process Scheduler API, CleanupDistList function. The API does a delete SQL given a process instance number from the PRCSRQSTTEXT and PS_PRCSRQSTDIST tables.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
PS/nVision	1912460, 1999864	129294000	Hyperlink to go back to Report Request from Process Request page could not be displayed.	Changed the destination type of the hyperlink to "Peoplecode Command" and modified PeopleCode to initialize the "Home state" record.
PS/nVision	1919684, 1945153, 2015624, 2021202, 2036539, 2047256, 2048651, 2052191, 3013207, 3027773, 3029611, 3032415, 3032845, 3059175, 3065857	569471000	8.18 and 8.42 PSTREESELECT tables causing null detail node, does not return a value.	Resolution is to use COALESCE and %TRIMSUBSTR only for DB2 to avoid the extra padding of white space and to force insertion of white space when the result of %TRIMSUBSTR is NULL. For all other databases we revert to the original usage of %SUBSTRING.
PS/nVision	1964545, 2036904	117603000	Creating scope on the web, an inactive future effective-dated tree causes a current tree to not be shown on the tree list.	Made changes to the records TREE_FIELD_VW, TREE_FIELDNS_VW and TREE_FIELDBU_VW. Made the EFFDT Key field a search key.
PS/nVision	1983653, 2058597, 3020983, 3024201, 3028355, 3029043, 3045968, 3057695, 3066165, 3066963, 3069216, 3080569, 3081445, 3082755, 3098899	128268000	(8.17)When clearing the "Copy formulas to nPloded cells" check box during the creation of layout definition, the system generates an Assertion error.	Modified code in CNvdSource::UnloadControls() to prevent future assertion errors.
PS/nVision	1990233, 2027137, 3016391	564926000	8.18.02 Instance Files/Folders not being deleted.	Created a new function CloseCurrentInstance(), which is called right after the call to NvsProcessWebReport. This function closes the excel workbook (and frees the file handle) on the generated file before PS/nVision updates the distribution queue with "generated" distribution status.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
PS/nVision	2021350, 3030335, 3091013	573645000	Functionality of drilldown from an .xls file outside the web is not available in Tools 8.19.	Modified code to determine if we are processing an PS/nVision Report Output type as File which will allow web drilldown. Also modified psprcs.cfg to determine if the system allows web drilldown on PS/nVision Reports created as File Output. Drilldown Report will be posted in the Report Manager automatically.
PS/nVision	2026139, 2038345, 2039038, 2040143	571866000	8.19.01 PS/nVision crashes when reports are run with scope in PIA. Excel remains on the taskbar and only the first instance generated by the scope definition is delivered to the report repository.	Modified code in RPTREQUEST::NextInstance() to resolve this issue.
Oracle	1505115, 1529407, 2014805, 3012991	117399000	SETINDEX.SQR does not update PSIDXDDLPRM to preserve custom Index TableSpaces.	Modifications were made in SETINDEX.SQR to resolve this issue.
Panel Processor	1945157	108400000	GetEffectivItem not working in Application Engine CI call.	Modified the CPSBufContext::FindEffRow(...) function to resolve this issue.
Panel Processor	1954017	136187000	Double byte spaces at the end of strings cause an error when updating.	Trailing double byte spaces are no longer truncated by PeopleTools when retrieving data from the database. This results in them being displayed in edit box fields and avoids problems with the (18, 1) error message when trying to delete them.
Panel Processor	1995262	565300000	Nameless field in page definition causes crash while generating HTML.	Code changes made that do not allow HTML to be generated for fields with invalid record fields. Therefore such fields will not show up on the page.
Panel Processor	1283908, 3047489	126513000	Duplicate row insertion to Related Language table attempted when inserting a row into the Base Language table, and Effdt is not the lowest order key.	If the EFFDT (and/or EFFSEQ, where applicable) has changed, then related language records will be added when a new base language record is added.
Panel Processor	1720759, 1779361, 1898036	111901000	Stored effective date is not correct when a row is inserted. Changed existing row effective date and deleted newly entered row without save.	Modified logic in code so that changing one row's key value and then clicking the delete button for a previous row no longer fails to update the key values for lower level rows subordinate to that changed row.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Panel Processor	1733680, 1755814, 1972695, 1976821, 2051938, 2056948, 2059139, 2060195, 2060663, 3012387, 3013551, 3026036, 3027232, 3031977, 3033169, 3038610, 3038813, 3039007, 3041175, 3043419, 3048449, 3049415, 3050374, 3051285, 3053200, 3054166, 3056377, 3059663, 3063019, 3073203, 3077859, 3080086, 3081242, 3081395, 3081789, 3082985, 3084081, 3085149, 3090866, 3092797, 3094274, 3097290, 3099132, 3100649, 3103037, 3106128, 3111524	581780000	HRMS 8.8 Translate Values are not pulling the most effective row.	Modified logic in code so that drop-down list boxes with translate values no longer confuse when outdated effective dated values are present.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Panel Processor	1907912, 2049067, 3011633	578902000	PT 8.18: Display only has no affect on the Define GP Rules > Setup 2 > Arrays, Brackets.	Modified code so that a setting of "display only" for a page in Security overrides any runtime PeopleCode settings to the contrary.
PeopleCode	1940189	132294000	PeopleCode Debugger error opening and using HRMS 8.3 on PeopleTools 8.17.2.	Modified logic in code to resolve this issue.
PeopleCode	1986501	144030000	%Menu will not return a value in SearchSave PeopleCode.	Modifications to %Menu to help resolve this issue.
PeopleCode	2053638	578884000	MsgGetExplainText() isn't working correctly.	MsgGetExplainText(), MsgGetText() and MessageBox() now replace %x variables with unlimited length strings.
PeopleCode	3043740	601521000	MESSAGE_PARM is truncated to 30 bytes (Application Engine).	Message parms now holds up to 254 characters.
PIA Core Technology	1867861	587559000	Failed to display correct Menu when switching languages.	Modified logic in code to resolve this issue.
PIA Core Technology	1970884	124775000	The portal Stylesheet default, PSSTYLEDEF is changed to a custom stylesheet but sometimes it takes it and some times it does not.	This issue has been resolved with a PeopleCode change. See the PeopleCode section of these Release Notes for details.
PIA Core Technology	2000135	564377000	Problem with appearance of a page.	Code change so the collapse/expand state is set based on the definition settings.
PIA Core Technology	2031172	573443000	Basic Search appears in drop-down calendar on Weekly pages.	Code change to the HTML object "PT_CALENDARSCRIPT" to resolve this issue.
PIA Core Technology	2035854	574854000	Hyperlink color from stylesheet.	Resolution involved PeopleCode changes and modifications to the two HTML objects: PT_CALENDARPAGE and PT_CALENDARPAGE_NS4.
PIA Core Technology	2041657	577777000	Does not prompt to confirm saving if user signs out.	Modified logic in code to resolve this issue.
PIA Core Technology	3038895	602346000	Many Vanilla Tools pages have PSSTYLEDEF instead of being blank.	Modified several pages to use the default style from PSSTYLEDEF.
PIA Core Technology	3059698	602715000	No longer able to open .mht (web archive) attachments after upgrade to PeopleTools 8.18.09.	Script changes made to support forward and back PeopleTools versions.
PIA Core Technology	1481728, 1746276, 3057472	601667000	NS 4.7 users receive 302 error when byPassSignOn is true and direct accessing home page.	Modified code to append & at the end of the redirect url to avoid selfredirect, which results in the 302 error.
PIA Core Technology	1795110, 1829379, 1914976, 1928624, 1960688, 1983948, 2018507	128955000	Clicking Drop-down list box causes page to be whited out.	Modified logic in code to resolve this issue.
PIA Core Technology	1945680, 1955766	136040000	&Field.Enabled = true doesn't take affect immediately for a DisplayOnly Page.	Modified code to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
PIA Core Technology	1950925, 1951313, 1994573, 3007105	138650000	The user is getting an error when clicking the Help icon in PIA.	Modified code to resolve this issue.
PIA Core Technology	1969524, 1997493, 1999281, 2010056, 2040125, 2055844	108728000	When using defaultport property, and web-accelerator, PS_LOGINLIST check in PT_SAVEWARNING's getLoginCookieValue() javascript can fail, causing immediate expire (logout) upon login.	Modified the code to check the defaultPort against defaultScheme if set or request scheme if defaultScheme not set. If port is 80 and scheme is HTTP or port is 443 and scheme is HTTPS, the port should be blank and should not be a part of the URL.
PIA Core Technology	2008747, 3019860, 3060164, 3078988, 3083085	510814000	Clicking Dropdown list causes whited out. (new attempt to fix/workaround IE bug)	Modified code to check if document.readyState is 'complete' at dropdown onChange for IE 5.5+ browser.
Portal	3043030, 3058190, 3062250	597925000	Review of problem where userid begins with a number.	Modified code in pagelet so that userid can begin with a digit. Also enforced the rule that when creating a pagelet the cref type must be a pagelet.
Process Scheduler	1331638	139126000	Unable to Refresh Process Monitor without Date Range.	Several changes made to PeopleCode and database structures to resolve this issue.
Process Scheduler	1442190	117359000	PT 7.6x & PT 8.1x Variables in psprcs.cfg, not explicitly picked up. If similar name used, 1st variable closest gets used.	Modified logic in code to resolve this issue.
Process Scheduler	1745241	113476000	When Job is submitted, Process Scheduler will run this job as well as the process, which matches first eight characters of this job.	Modified PeopleCode to resolve this issue.
Process Scheduler	1926175	112613000	Distribution Details page for all processes within a Job that are sent to Email, displays the email information (Subject, Message Text, Email ID) of the last process set to output destination of Email.	Modified PeopleCode to resolve this issue.
Process Scheduler	1939452	139542000	Job status remains in processing status, but all the processes in the job have completed to success - OS390.	Modifications to SchedulerMonitor.cpp to resolve this issue.
Process Scheduler	1959982	120448000	When changing from FTP to HTTP, purge will not work. Log file shows FTP=true and HTTP=true.	Modified logic in code so that FTP and HTTP are never true at the same time.
Process Scheduler	2003735	566712000	PSDSTSRV handles increase at a rate of 240 handles within an hour and do not get released at all.	Modified logic in code to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Process Scheduler	1381572, 1381896, 1540514, 1719699, 1746500, 1751264, 1918359, 1948517, 1983150, 3023133	134912000	PT 8.15 -- PSNTSRV.EXE cannot be started using network account.	Made changes to the event logging mechanism to resolve this issue.
Process Scheduler	1460570, 1485321, 1746785, 1762536, 1909583, 3082096, 3088319	112376000	Backport: T-SSAMPA-4A56U PT 8.4: SQR reports run to status of error when output type is email on OS/390 box.	Modified CSmtpServer class to add a new method sendEndOfLine() to handle the new line for smtp protocol. For OS390 we use the conversion function convert string "\r\n" before send. Replaced the "\r\n" in TCHAR string when sending it for smtp protocol with sendEndOfLine() call.
Process Scheduler	1463742, 1499916, 1749889, 1771934, 1828790, 1875408, 1882544, 1954956, 1964488, 1996994, 2009751, 3107283	111701000	PT 8.1x -- Multiple Process Schedulers with the same name are being allowed to be booted up against same database.	Modified code in Process Scheduler so that when Process Scheduler is stopped, the PID file does not get deleted.
Process Scheduler	1464853, 1483205, 1965215, 2029079, 2056773, 3103280	123358000	PT 8.1x PsJob launched at the exact moment end up with intermingled Process Instance numbers.	Database change made to PMN_PRCSLIST to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Process Scheduler	1498193, 1826326, 1842905, 1890816, 1895544, 1898014, 1907120, 1908788, 1915297, 1915986, 1930057, 1943160, 1957612, 1969949, 2043441, 2058818, 3004455, 3004728, 3017039, 3018693, 3020386, 3048999, 3067348, 3083257	102378000	PT8.17 - No email sent and SQR Report produces core file when submitting SQR Report to Email and CSV format on PSUNIX.	Two changes were made to resolve this issue: 1)Change SQR_CSV to -eh_csvonly; and 2) expand the buffer for file attachment to [PSM_PARMLISTLEN * 4 + 1] and message - ALIAS:.
Process Scheduler	1549297, 1926621, 2021584	131312000	PT 8.18: After restarting a process that went to a 'No Success' status, the process completes successfully but remains in a 'Posting' status indefinitely.	\$\pt8.1\src\psschdlr\SchedulerRequest.cpp v. 13 Found the problem with xcopy. When the files exist on the directory, xcopy.exe is asking for a confirmation if it is ok to overwrite the existing file. Add 1 more flag to suppress the confirmation. \$\pt8.1\sr
Process Scheduler	1724913, 2026592, 2040284, 2060506, 3011830, 3028459, 3087796, 3094739, 3104186	125457000	Cancel of Process or Job causes Arithmetic overflow during implicit conversion of INT value '64639' to a SMALLINT field.	Modifications made to several areas of the code to resolve this issue.
Process Scheduler	1758584, 1895102, 1991055, 3047046	111444000	Process Scheduler intermittently does not update the status of processes to 'success' in the log files.	To determine if a process is successful, the modified code will check if the process ID (pid) is no longer active.
Process Scheduler	1808240, 1996866, 2022477	113403000	The "Began Process At" timestamp is incorrect on the Job detail page.	Modifications made to several areas of the code to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Process Scheduler	1875484, 1884070, 1916314, 1948342, 2001565, 2021898, 3023311, 3030803	103787000	Backport changes for: T-EKNAPP-A53UH Daily recurrence scheduled to run Every X Hours for 18 Hours it continually re-queues for the same day. Results in thousands of rows in PSPRCSRQST for the same day.	Modified logic in code to resolve this issue.
Process Scheduler	1886482, 1900590	106734000	PS/nVision 8.18: Subject line on the email changes according to the length of the file name.	Increased the size of szPrCsName in PSMPRCSEMAIL structure to use PSM_PRCSLONGNAMELEN (value 127). All other processes still use 12 character name but PS/nVision can copy upto 127 character long file name.
Process Scheduler	1921749, 2016212	126362000	8.41.08 - Recurrence Time not read properly when the recurrence is set at the Process or Job Definition.	Modified LaunchProcessRequestDlg function to resolve this issue.
Process Scheduler	1986100, 2034099, 2049760, 2056841, 2057662, 2059997	574700000	PT 8.19 -- Distribution Agent does not boot, if Unix process scheduler is shutdown. Tried to boot again when ftp is used as the node distribution.	Modifications made to SchedulerTransfer. ftp_*. * should be deleted before creating the new ftp_*. * files regargles of the log fence value.
Query	1980929	144001000	Crystal Report cannot print Long data (longer than 1024 characters) correctly.	Corrected formula to calculate byte length for multibyte charsets when Unicode is enabled.
Query	1483150, 1559111, 1857018, 1884448, 1891019, 1933885, 1973590, 1990562, 1999396, 2011146, 2013057, 2021128, 2038762, 2043167, 3017058, 3034268, 3093391, 3102792	134807000	Performance with PS/Query..while creating queries.	Several PeopleCode and other modifications made to the code to improve performance. 1) When opening a query, defaults all records to closed in query tab; 2) Changed number of rows in scroll in query and fields tab to 50 instead of unlimited; 3) When moving from tab to tab, cleared out temporary rowsets from other tabs; 4) Redesigned Select a Field page criteria to only show one record at a time; and 5) Optimized rowset copy and transfer page operations.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Query	1500714, 1738075, 1797857, 1819503, 1883678, 1896170, 1919068, 1922388, 1929355, 1936972, 1938425, 1940092, 1940577, 1990433, 2019688, 2042416, 2049661, 2054363, 3021818, 3029565, 3053361, 3073139	117584000	QR: When running Query to Excel through Query Manager users are seeing strange things when they doubleclick on cells	Changed the code to only put "" around text or long text fields when they start with a 0 or a space and are less than 255 characters long. This will greatly reduce the problem but not entirely eliminate it as values beginning with a 0 or a space will still have the expression delimiters around them.
Query	1761595, 1766979, 1787366, 1823957, 1850952, 1873589, 1873645, 1884213, 1888707, 1977550, 2013865, 2014263, 3083188, 3092752, 3092946, 3093773	143815000	Web Query IN LIST lookup does not respond if Lookup table contains large amount of data.	Multiple changes to Query tool to resolve this issue.
Query	1945148, 1950339, 2058742	114409000	Queries with subqueries: the criteria are getting changed in the subquery to use the same values as the query.	Modified the code in the SyncQueryCriteriaForUpdate function to resolve this issue.
Query	1960108, 1961792, 2044311	141800000	Query Manager: Any Join allows it to join a record even though security is set to no access.	Modified PeopleCode in QRYRECORDS1_WRK.QRYADDRESS.FieldChange to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Query	2029673, 3064584	130187000	Clicking ESC key from prompt page on Monitor Message query page returns list of queries.	Modified PeopleCode to resolve this issue.
Query	3001801, 3001802	581438000	Having tab is not refreshed when second query of Union is selected.	Added new method: HasHavingCriteria () in CQryBld class and CQrySel class to determine if the active selection in the query contains a having criteria or not. Added new private method CQedTab::UpdateShowHaveTab() to automatically display or hide the Having Page depending if the query's active selection has a having criteria or not Also, fixed to refresh immediately the Having Criteria page whenever the active selection changes
Query	3028663, 3040387, 3061522, 3071577	595604000	After PeopleTools upgrade to 8.19 and WebLogic 5.1 SP12, errors in webserver log.	Made changes to the CICQueryService::SerializeHTML() method. The charset is set to a windows charset in queryservice.cpp when download to csv option is used. If the charset is other than UTF-8 (which means only in case of CSV download), unset it to make it an empty string.
Report Distribution	1884629, 3074144	135325000	SQR process is submitted, status remains as POSTING even though successfully completed.(NTT issue)	Modified logic in code to resolve this issue.
Report Distribution	2051530, 3034869, 3048348, 3063818	602510000	File descriptor bleeds in 8.1x psdstsrv leading to server exit.	Modified code in SchedulerUtility and other areas to resolve this issue.
Security	1918965	123509000	LDAP: User profile creation does not look at language attribute in the LDAP signon PeopleCode	User Profile creation now includes language attribute also in the LDAP signon PeopleCode.
Security	1959649	563459000	RevalidatePassword Not working for w4 self-service with WWW_AUTHENTICATION.	Changed the PC programs to only call RevalidatePassword when the user authentication method is not "WWW".
Security	2024924	597069000	Problem with User profile type page.	Database change such that in the User Profile Types, under Field Name, users will be able to retrieve appropriate field name, record name and the field description by providing the beginning character/characters (fetched through the prompt table).
Security	3013909	586425000	PT 8.18 LDAP- Account getting locked out when only using LDAP Authentication.	Modified the LDAPAUTHENCITION function so that LDAP-Account will not get locked out when only using LDAP Authentication.
Security	3028424	592025000	LDAP Error no longer returned after PT v8.19 Upgrade.	Modified PeopleCode so that LDAP users with invalid EMPLID attribute cannot login. Appropriate error message is displayed.
Security	3043515	582813000	Error Dialog when creating Roles for Users ---- Deferred mode query will fail on Oracle in all 8.1x, 8.4x if it has the pattern of "Select *"	Modified code to resolve this issue. Also and modified error message to better reflect the actual problem.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Security	3107257	601835000	Sysaudit OPSEC-28 errors.	Modifications to SYSAUDIT to resolve this issue.
Security	1502111, 1725061, 1913235, 1951306, 1976218	135320000	SYSAUDIT to validate PSAUTHITEM table entries.	Added SYSAUDIT procedure "(OPSEC-28) Invalid entries in the PSAUTHITEM table." This identifies invalid/obsolete/unwanted entries in the PSAUTHITEM table. If any items are found by the new procedure, the fix is to delete them. Use a DELETE FROM PSAUTHITEM statement with the same WHERE clause as is used in the audit procedure itself.
Security	1863649, 1879131, 1900169, 1904677, 1920173, 2027019, 2036145, 3042816, 3074507, 3098400	123487000	Invalid PIA signon causes GetCertificate error for another user connected in 3-tier.	Modified appserver log entry. There will not be invalid log messages for invalid credentials.
Security	1934081, 1949270, 3013268, 3024193, 3055602, 3075886	126713000	Critical Security Fix	This incident contains a critical PeopleTools security update for all PeopleSoft products and versions. It is PeopleSoft policy not to provide detailed information on the location and nature of the incident and fix for the protection of our customers.
SQR	1744243	116113000	PSSQR on UNIX issues LP command with -c option. This displays a print job number on the title page instead of the desired "reportname_instance.lis" in the banner title page unlike in 7.5x where "reportname_instance.lis" was shown.	Modified logic in code to resolve this issue.
SQR	1900783	130918000	PT: Some SQR report (DDDAUDIT) cannot output data to PDF format.	Modified [PDF Fonts] section of pssqr.ini/unx to resolve this issue.
SQR	2009212	573856000	PT 8.17 SQR embedded PL/SQL block variable doesn't retain value like it did with SQR on 7.5.	Modified code in Code change in dsq() in gsql.c to resolve this issue.
SQR	2016457	569377000	SQR: -printer:wp prints out garbage when used in SQR.	Modified code in spf_wp.c: DoTextOut() to resolve this issue.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
SQR	1351418, 1401261, 1498679, 1539143, 1552419, 1737659, 1753817, 1928822, 1929614, 2057656, 3024943, 3061354	131757000	SQR: #SQL-STATUS returns "-1" or "0" instead of actual SQLSTATUS from the database, affects ORACLE	Modified the code in runpgm.c and dbcalls.c to resolve this issue.
SQR	1552481, 1773349, 1829081, 1900221, 1905334, 1924563, 1972838, 2015085, 2030506, 3049841	104298000	Numbers Missing on PDF Run of SQR on OS390, however, the same report against the same database but run in Windows produces different results.	Added PDF_STRINGWIDTH() in several places to resolve this issue.
SQR	1725528, 1790346, 1818247, 1884130, 1887371, 1888036, 1893873, 1968531	141643000	Enhanced HTML and CSV output for SQR do not recognize the new JRE 131 link on UNIX with SQR for PeopleSoft 8.17 and current 8.18 builds.	Updated all stamper.cf and stamper.ct files in the SQR 8.20 source tree to have JREver=131 rather than 122.
SQR	1902146, 2025097, 2040267, 2055487, 3032595, 3051016	574160000	SQR: Enhanced HTM and CSV output not working in PeopleTools 8.19.	Replaced the bad jre distribution in \$/PT81/BIN/SQR/NT/bse/nt/jre/JRE122 with the JRE (version 1.3.1) directory out of 8.43.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
SQR	2021376, 2042563, 2056092, 3004926, 3050140, 3056190, 3056721, 3058401, 3063151, 3069485, 3077069	570641000	SQR via Process Scheduler or Command line/UNIX creates a blank page at start of every FILE/LP report.	Modified logic in code to resolve this issue.
SQR	3042761, 3051590, 3055771, 3057881, 3063298, 3065100, 3072772, 3075965, 3076916, 3078044, 3095498	601464000	PT8.19.06: SQR email distribution not working on PSUNIX.	The way, psmail does the parser depends on the end-of-line and end-of-file marker. Depending on the operating system, it may or may not find it. Thus during the attachment, it may attach with weird character. Modified code to find the parameter inside quote (") and return the value between " and ".
SQR	902161, 986003, 1016523, 1039728, 1359520, 1536783	125764000	SQR 4.x when run with -printer:ht on UNIX via pssqr or the Process Scheduler, it produces a .lis file in .htm format; but if using -printer:eh the output file is named .htm.	Modified code in BuildCommandLine() in PSSQR.cpp to resolve this issue.
Tree Manager	2005625	120224000	HTML Tree Manager - Audits are not performed during the editing of detail data, only during inserts and saving the tree.	PeopleCode modification to resolve this issue. See PeopleSoft Tree Manager in these Release Notes for more details.
Tree Manager	2055553	580079000	Tree Mover Import not putting the right default values for the Performance Options Flags.	Changed the default value for TREE_ACC_SEL_OPT in the TREE_DEFN File Layout to default TREE_ACC_SEL_OPT to 'R'.
Tree Manager	1345566, 1389389, 1420685, 1438370, 1771657, 3044778, 3092392	122025000	Forward port Cannot give a new effective date to an existing tree. Receives error "The Save As date may be earlier than the tree node and detail data in this tree. (49,29)"	Modified the PSTREEDEFWRK.BTN_SAVE.FieldChange CopyTree function. For both 2 and 3 tier Tree Manager, users will now receive a warning when trying to Save As or Copy a tree using an earlier effective date (49,29)

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Tree Manager	1899819, 1923342	123418000	TR 8.4: After doing a 'Save As' on a tree and changing the effective date not able to add a node onto the tree (with an effective date greater than original tree) until tree is closed and reopened.	Modified the PSTREEDEFWRK.BTN_SAVE FieldChanged Event: Function CopyTree(&pAsDraft As boolean) to resolve this issue.
Upgrade	1905508, 1948450, 2022347	141217000	Display Row Action button is different but does not come up in the compare reports.	Set IsUpgCompared flags to 1 in maps for PdmScrollArea'map and PdmScrollAreaBttns map to resolve this issue.
Upgrade	1983259, 2005395, 2017588, 3027763, 3086388	569507000	Data missing in PS_XMLSERVICEINFO tables.	Modified MVPRDEXP.DMS: EXPORT so that PS_XMLSERVICEINFO table will now be exported when MVPRDEXP.dms is run.
Upgrade	3034812, 3042450	587589000	HRMS Upgrade Assistant templates need to be reposted for all upgrade paths for PT 8.19.	Modified code in several places to resolve this issue.
Upgrade Process-Customer Upg	1992658	562017000	Documentation on tools only upgrade 8.16 to 8.18 mismatch with product patch.	Modified upgrade documentation to resolve this issue.
Web Server	3000749	581662000	Apache Web Server not booting properly.	Rebuilt Apache on a Solaris 7 machine instead of a Solaris 8 machine so that it is compatible with both Solaris versions.
Web Server	1865786, 3029195	107584000	Poor performance running WebLogic 6.1 on Red Hat Linux 7.1	Resolved in this release.
Windows Client	1956993	125820000	System crash on pstools.exe using the Navigator (only 2/3tier, works fine via PIA)	Resolved in this release.
Workflow	1747764	114289000	Worklist - Expenses worklist linking to time transactions.	Database change to resolve this issue.
Workflow	1857769	105550000	PT 8.14: Duplicate APPR_INSTANCE Value Allowed To Occur With Worklist Table	Modified code to check for duplicate APPR_INSTANCE value in virtual approver.
Workflow	1886035	121578000	In worklist monitor page, if customer pushes "T" button, opened page was in update mode.	Modified code to get to the correct mode in target page from the worklist monitor when user pushes "T" button.
Workflow	1903840	105204000	Worklist Description translations do not appear in the PIA Worklist for Non-English users.	Modified code to display a new field "Worked By Activity" on worklist/worklist detail page which will be translated to multiple languages. See the Workflow Technology section of these Release Notes for more information.
Workflow	1920117	126739000	Virtual Approver threshold of 45 maximum roles for the user "This is the last record to display".	Modified code to remove the restriction in virtual approver user role search for 45 roles.

Sub-Product	Case ID	Report ID	Incident Title	Resolution
Workflow	1938183	109063000	An approval Rule set containing multiple paths does not route if the requestor is on a split step.	Modified PeopleCode to resolve this issue.
Workflow	1945230	117318000	Reassigned Worklist item in conjunction with Virtual Approver Not behaving correctly.	Modified code to resolve this issue.
Workflow	1960622	128617000	Worklist Page from PORTAL hung with Processing flashes when user goes through the Portal 8Sp2 with PT 8.18.07 to the HRMS 8.3 with 8.18.07 PeopleTools.	Modified logic in code to resolve this issue.
Workflow	1970805	142728000	Workflow Administration, Use, Worklist Updates, the search dialog is not narrowing down results.	Modified code to show more fields to search by for the Worklist Udate page.
Workflow	1973192	140175000	Worklist assigned to default user behaves differently in versions prior to 8.18.	Added a new flag on WF_SYS_DEFAULTS page (PS_WF_SYS_DEFAULTS table) to let the user set the system wide control as to whether the user can resubmit a worklist for approval. In virtual approval program this flag is checked. This gives the operator an error when it is not set and the user is trying to resubmit.
Workflow	2009034	572721000	Activity Guide not allowing user to work final step.	Resolved in this release.
Workflow	3001862	581451000	Does not keep search result of worklist.	Modified code to add a global variable to store the worklist filter information.
Workflow	3001889	581449000	Next in worklist button does not work properly.	Modified code in CICWorkListService::DoService() function to reset the worklist page information when user clicked the filter or refresh button.
Workflow	3007253	584129000	Worklist columns shift when data is too wide.	Modified the WORKLIST and WORKL_DETAILS pages, replacing the scroll areas with a grid.
Workflow	1929732, 1953001	140166000	Workflow PeopleTools 8.1x and 8.4x: Worked By Field within the Worklist Attributes of an Activity, not pulling up the proper page within a component on PIA.	Modified WamGetPnlGrpInfo() to set the correct page name.
Workflow	1973292, 1976897	565508000	Not all 'TO' recipients get Workflow email, total size gets truncated.	Modified code in \$PT81/src/inc/basesmtp.cpp so that it does not depend on smtp server's setting of the email ID separator.
Workflow	1982224, 3074340	110008000	noCrumbs=Y does not work for WORKLIST pages.	Modified the CICWorkListService::DoService method in WorkListService.cpp file to format the noCrumbs flag to resolve this issue.

Edit History

Date	Modification
August 22, 2003	Original version of the PeopleTools 8.20 Release Notes published for the PeopleTools Upgrade Program.
September 4, 2003	Added update to the Workflow section titled "Reassigned Worklist Item Behavior Modifications." The updates to this section are in the section describing the modifications made to address the scenarios discussed.
October 2, 2003	Added PeopleBook updates for the Data Management PeopleBook related to the Message Catalog and for the Internet Architecture Administration PeopleBook.
June 24, 2004	Added the "Content References (CREFs)" section to the PeopleTools Portal Technology section.