

Product(s)	Feature	Version
Accessibility	PeopleTools 8.54 makes it possible for PeopleSoft applications to conform to Web Content Accessibility Guidelines (WCAG) 2.0 AA regulatory guidelines. Support for WCAG 2.0 means PeopleSoft applications built on PeopleTools 8.54 will conform to the latest accessibility regulations. PeopleTools 8.54 also makes it possible for customers to maintain this level of conformance when they create or modify pages.	8.54
	Oracle documents the accessibility status of each product or product family using the Voluntary Product Accessibility Template (VPAT). The VPAT was created by a partnership of the Information Technology Industry Council (ITI) and the U.S. General Services Administration (GSA) to create a simple document that could be used by Federal contracting and procurement officials to evaluate a product with respect to the provisions contained in Section 508.	8.54
	To start PeopleSoft applications in accessibility mode, a new Enable Accessibility Mode check box is now available directly on the sign in page, which enables you to start that session in accessibility mode.	8.54
	Enhancements provided to improve accessibility include: - New navigation-related user preference settings. - User preference settings that control various system and application messages, including an option to display a warning in accessibility mode when transferring from a pagelet to another object, and a setting to prevent confirmation messages from automatically closing. - The ability to set the Aria attributes on page controls using PeopleCode. - Modifications to Fluid User Interface elements, such as the NavBar, that provide an improved user experience when working with assistive technology devices, such as screen readers. - New keyboard commands for chart objects and drag and drop.	8.55
Application Data Sets	Over the past several releases, a lot of application content is built with configuration data. As a result, more and more application maintenance is provided in configuration data. This data is delivered in PeopleSoft Update Images (PI), and ultimately applied with Application Data Sets (ADS). Over time, the data sets that are accumulated can grow rather large and in the past can take a lot of time to complete. Initial runs and delivery statistics showed that performance was a concern. PeopleSoft evaluated the process and made significant changes to the back end processing to improve performance. The results are excellent. Early runs show that performance has been improved as much as 50 percent. This will be a great benefit to customers that are leveraging some of the new application features that are based on configuration data going forward.	8.55
	The Data Set Summary report enables you to produce a report to view all of the information contained in the data set definition pages including general, relationships, groups, and properties. Optionally, you can also include overlapping data sets, referenced data sets, and referencing on the report. The report can also be produced in PDF format.	8.55
	Related language records are automatically added when designing data set definitions but to this point they have not been included in merge sets. With this release, when a field is added to a merge group, the related language record will automatically be added.	8.55
	With this release, merge groups will allow updates from PeopleSoft if the customer has not modified the instance. Data in a merge group will not be overridden if any part of the Data Set Instance has been modified by the customer. The customer changes will always be preserved. If customers have not made changes to the Data Set Instance, any change delivered by PeopleSoft will be taken. This new ability to manage change gives customers protection from losing changes as well as the benefit of staying current with delivered change. Merge Groups apply to both configuration and customization data. The ability to configure a given object, is built into the object. ADS doesn't distinguish between configurations and customizations.	8.55
	It is very important for system administrators to have proper insight into Data Sets and their properties. A new collection of reports is delivered to provide detailed information in several different categories.	8.55
	The delivered System Audit process found in Utilities->Audit->Perform System Audit includes the Audit Data Set Integrity option. When that option is selected, the audit process will run checks against the data base that validate Data Sets, Application Data Set Projects and security definitions for Data Sets. These audits validate that data sets definitions and the definitions they rely are synced. These checks are made when data sets and data set projects are created but could be invalidated over time. If the data set and application data set projects are not in sync with underlying data, an error will be displayed. There are over 30 new audits are delivered with release 8.55. It is important to run these audits regularly, since at any time, underlying data could change.	8.55
	Flexible selection operators is a great feature of Application Data Sets. It lets users refine sets of instances based on simple criteria that make it easier to define the exact contents of a data set project. Currently, the supported SQL filters are IN, BETWEEN, and LIKE. In release 8.55 additional 'negative' selection options are added. They are NOT IN, NOT BETWEEN and NOT LIKE. Use of these will make the process of selecting instances easier for the users.	8.55
Application Designer	To align with design standards, for PeopleTools 8.53, pages created with Application Designer will have right aligned field labels. These field labels will be left positioned with no colon display. This feature greatly streamlines the otherwise manual process of field label alignment. Once a field is placed on a page, the developer retains the ability to change the label alignment default in Application Designer where necessary by changing the Align Field Labels checkbox in PeopleTools Options page.	8.53

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	With PeopleTools 8.53 a new Action Widget radio button appears on the Push Button/Hyperlink Properties dialog box. Select this option to add a page control that triggers JavaScript when clicked. The default usage for the action widget is to add a control to a page that when clicked the system invokes the default JavaScript, which displays a related actions menu. However, this widget can also be used to trigger any JavaScript, providing an alternative to using only PeopleCode to invoke JavaScript in a PeopleSoft application.	8.53
	At runtime, PeopleTools minifies any JavaScript code stored within an HTML definition so that the JavaScript runs more efficiently on the web server. This is the default runtime behavior. JavaScript that has been minified has been stripped down to only the essential strings required for runtime execution. The JavaScript runs in this compressed, or minified, format to save bandwidth. PeopleTools only minifies JavaScript contained in HTML Definitions. If required, you can disable minified JavaScript for a PeopleSoft PIA domain or an individual user (for development and testing purposes).	8.53
	For PeopleTools 8.53, Oracle has delivered more granular control of the auto-complete feature for both application developers and end users.	8.53
	In Application Designer, when using the Find Definitions References feature for field and record definitions, you can now search within a set of specific definition types. This focuses the search for references, yielding fewer results, making searches more efficient.	8.54
	Application Designer supports the creation of image fields using PNG and SVG formats. While PeopleSoft Application Designer can create image file definitions that are of Portable Network Graphics (PNG) or Scalable Vector Graphics (SVG) formats, these image file definitions are visible only in PeopleSoft Internet Architecture (PIA).	8.54
	If you would prefer to disable the row highlighting feature for grids, you can now select the Disable Row Highlighting display option on the Use tab of the Grid Properties dialog box.	8.54
	Long edit boxes do not limit the number of characters that a user can enter in the browser, regardless of any limits defined in the underlying record field. As such, characters entered by the user that exceed the field length of the field definition may be truncated. To help users avoid this situation, you can select Enable Long Edit Counter on the Long Edit Box Properties, Use tab. With this option on, a counter appears below the long edit box on the page, notifying the user how many characters can be entered before reaching the field limit (N characters remaining).	8.54
	New toolbar buttons for viewing page PeopleCode and record PeopleCode improve developer productivity. Page PeopleCode and record PeopleCode can be viewed with fewer clicks using the toolbar rather than the menu item. With a page definition or a record definition open in the Application Designer workspace, the dynamic toolbar now displays a button for this quick access to the associated PeopleCode for that page or record definition.	8.54
	Improvements to the Application Designer UI include: - Support for retaining or clearing 'Find In' search result options in the PeopleCode Editor. - Adding line numbers in the PeopleCode Editor. - Support for displaying the database name in the PeopleCode Editor.	8.55
	A set of new keyboard shortcuts have been added for Application Designer so that you can use the keyboard to select various options that previously you accessed using menus only	8.55
	The Find Definition References dialog box now provides additional filtering options so you can fine-tune your searches even more. You can now filter by full or partial definition name and by Owner ID	8.55
	Application developers are no longer limited to static text for group box labels. Text displayed for group box labels can now be defined in the Message Catalog, and referenced from the Group Box Properties dialog box, providing increased flexibility for page display. Because messages can be populated with variables from PeopleCode, group box labels can now change based on the page content.	8.55
Application Engine	PeopleTools 8.54 will include enhancements to streamline Application Engine Trace files.	8.54
	In 8.54, you can define Temporary Tables as GTTs in the Application Designer. This feature can be applied to Application Engine programs running in both batch mode and online mode. The data in GTT is session specific for Application Engine programs running in batch mode and transaction specific for Application Engine programs running in online mode. But GTTs in online mode cannot be shared between Application Engine programs. Each Application Engine program has its own set of GTTs. Therefore, it is recommended that GTTs should not be used as Share Tables in online mode. You can also define GTTs to re-startable batch Application Engine programs considering that the data in GTT will not be retained when the program exists.	8.54
	You can opt not to commit the changes for application engine program to the database, if the application engine program is running from Application Designer.	8.54
	Log Analyzer for application engine is a GUI tool that helps you format the application engine log file to easily get log information about Application Engine call structure, SQL information, PeopleCode information and filters.	8.55
	This enhancement extends support to automatically generate a new process instance ID if no value is specified for the process instance used by the Application Engine runtime.	8.55

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Automated Configuration Management	In 8.54, PeopleTools introduces a new framework with a set of plug-ins grouped in a template that enables you to perform products/components configuration using PIA or command line. Moreover, the framework provides a configuration monitor that accurately displays the erroneous parameters. PeopleTools delivers more than a dozen plug-ins including Integration Broker, Oracle Secure Enterprise Search, Unified Navigation, and PeopleSoft Test Framework. In addition, users can develop their own plug-ins.	8.54
	You can now define preconditions and post-conditions for the configuration plug-ins invoked during a configuration template execution. This enables you to verify required items before a configuration plug-in runs and specify how the system should respond, and you can also set post-conditions if a template execution should continue or not based on the status of the status of the current plug-in. Setting these pre and post-conditions provide you more control and insight into a configuration template execution.	8.55
	New configuration plug-ins available with PeopleTools 8.55	8.55
	When creating new templates, it can be helpful to import existing template variables from an existing template if you require them in your new template. In this case, you are copying established and tested template variables from one template to another, saving you time when creating new templates. To use this new feature, click the Import Variables link on the Template Variables page.	8.55
	critical functionality. For example, Search Framework cannot operate unless the basic elements of Integration Broker have been configured. As such, various plug-ins within a configuration template need to reflect these dependencies in the system. While adding a plug-in to a configuration template, the plug-ins on which the newly added plug-in depends can be added automatically to the template by clicking Resolve Dependency on the Configuration Template Definition page. Resolving dependency of a plug-in dynamically becomes possible by defining the plug-in dependency meta data in advance.	8.55
	With many ACM configuration templates, the system configures multiple elements of products. In most cases, it is not only required that these elements be configured, but it is also important that these elements are performing successfully over time. Running the functional validation test ensures that a product element is not only configured, but operational too. With each configuration template run, you can view the status of the elements configured, but now you can also click the Functional Validation button on the Configuration Template Definition page at any time to check the status of any previously configured elements.	8.55
	When configuring environments with Automated Configuration Manager, you can apply dozens of configuration properties per template, depending on the amount of plug-ins the template invokes. In some scenarios, you may find that you need to update a small subset of the plug-in properties due to preferences or changes in the overall environment. Rather than running an entire template script again and updating configuration settings that are fine as they are, you can choose to apply only a subset of properties that need to be updated for a particular plug-in (in addition to any properties that are required for that plug-in).	8.55
	When working with configuration templates, you can now export an existing template using the Download Current Config option, which enables you to export a configuration template file populated with any specific configuration property values you have set all while keeping the template variables in place so that the template is not dependent on a host. For example, the host variable would remain unresolved so the system picks up the host value from the next host the template runs on. However, if a list of search definitions has been set for the system to deploy, that list appears in the exported template file for reuse on other hosts. This enables you to configure a desired environment and replicate more efficiently, and it also provides backup/failover protection in case the current host configuration needs to be refreshed.	8.55
BI Publisher	Prior to PeopleTools 8.53, BI Publisher report output to Microsoft Excel used an MHTML (Single file webpage) formatted file with an XLS extension. Microsoft Excel displays these files as Microsoft Excel spreadsheets allowing you to edit the files in any way that you choose. However, when introducing Microsoft Excel-specific functionality, such as formulas, macros, and so on, you will be prompted to save the file in a Microsoft Excel standard format. Using an MHTML file disguised as a Microsoft Excel file results in a fairly large document, often several times larger than the same document created in the XLSX format. This can impact performance in cases where very large BI Publisher reports are output to Microsoft Excel.	8.53
	In PeopleTools 8.53, we have upgraded our embedded BIP Core engine to version 11.1.1.6.0 and added support for both MHTML (.XLS) and the newer native/standard Microsoft Excel format (.XLSX). Using the new XLSX format can substantially reduce the size of the output file.	8.53
	In PeopleTools 8.54, BI Publisher supports embedding of Printer Control Language (PCL) code in RTF templates to enable printing PDF with Secure FontsTM. PCL printing for PDF output is used for printing checks securely. Additionally, BI Publisher supports direct printing of PDF on PostScript (PS) compatible printers.	8.54
	Starting from PeopleTools 8.52, BI Publisher reports were fully capable of displaying formatted HTML data (RTE) via the use of a special XSL transformation style sheet that was applied to the RTE field at runtime. This XSL style sheet was provided via the delivered sub-template HTML_SUB that needed to be imported into the RTF template in order to successfully transform the HTML formatted data into its XSL-FO equivalent expected by the BI Publisher core engine. Starting from PeopleTools 8.54, the HTML_SUB sub-template is deprecated and is now being replaced with the native rich text handling support built into the current version of the Oracle BI Publisher core engine.	8.54

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	PeopleTools 8.54 adds the ability for BI Publisher PDF output to be updated by users and for the updated content to be submitted to PeopleSoft automatically. With this feature, a user can update information on a report or form and click an embedded Submit button to send the updated data back to the PeopleSoft database. The updatable PDF feature is perhaps most commonly used with government-delivered PDF templates. It works in both HTTP and HTTPS protocols. The updatable PDF feature is supported only for reports that use a PDF template.	8.54
	BI Publisher reports output as PDF can now be digitally signed which verifies the signer's identity and ensures that the document has not been altered after it was created. Digital signatures can be attached to all PDF output and is enabled for both PDF and RTF templates.	8.54
	A new BI Publisher property, psxp_private_report_access, has been introduced to allow the sharing of a private report, so that it may be run by other users who have a private query that shares the same name as the private query data source associated with the report. Note that Report Category permissions are enforced so that only those users who have at least read-only permissions to the report can share it. Users can set the property at both the global and report definition level.	8.55
	PeopleTools has created a BI Publisher report user role, XMLP Report User, that allows users to schedule and run reports. Users with this role can also open a majority of BI Publisher report definitions in read-only mode. A new permission list, PTPTS300, is assigned to this new role.	8.55
	BI Publisher for PeopleSoft enables you to develop PDF reports that users can edit and then submit the changes to be saved in a database. The submittable PDF report functionality is available for delivered self-service reports and for customer-created reports. Only reports generated from PDF templates can be used as submittable reports.	8.55
	PeopleTools enables you to include attachments from external sources with BI Publisher PDF report output. The source attachments are converted to PDF format and then merged with the main report. The report is then displayed to the end users or delivered to Report Manager. To convert attachments to PDF output, BI Publisher utilizes Oracle's Outside In Technology (OIT), a product that enables the transformation and control of more than 600 file formats, including documents from office suites, specialty formats, and legacy files. This feature is available for any BI Publisher report with PDF output. The following template types are supported: RTF templates, PDF templates, and XSL templates.	8.55
	PeopleTools enables you to distribute reports using email to recipients that do not have PeopleSoft user profiles. This feature enables you to distribute bursted and non-bursting BI Publisher reports to external users whose email addresses are stored in the database, file server, or other location.	8.55
	Report developers can delete report definitions from the results grid of the Report Definition search page.	8.55
	PeopleTools delivers a Copy Report Definition page that simplifies report development, by enabling report developers to copy report definitions.	8.55
	Beginning this release you can change the data source of an existing report definition. The Report Definition - Definition page features a Change Data Source control. When a user clicks the link the Data Source Type and Data Source ID field become editable. An option to cancel data source changes is available, allowing a report developer to revert back to initial state.	8.55
Change Assistant	Change Assistant provides a wizard to set up the Update Manager environment by defining the source and target databases. From Change Assistant, you can access the Update Master to create a custom change package based on the fixes and enhancements selected by the customer. Once the change package has been defined, the customer can return to Change Assistant to apply the custom package.	8.53
	When you start Change Assistant, you will be able to select the action to perform. Each action has an associated Wizard to guide the user through the process.	8.53
	Change Assistant jobs can be run from the command line to automate applying updates to multiple environments.	8.53
	Filter queries provide the user with the ability to add ad-hoc step filtering criteria to a template in order to improve the applicability of a job to the customer and where possible remove unnecessary manual steps.	8.53
	Three-way merge for PeopleCode was introduced in PeopleTools 8.52, enabling users to streamline the process of reviewing, analyzing and developing PeopleCode objects during an upgrade. Now users will be able to use the same three-way merge process for SQL and XSLT. Users can apply rules individually or in batch as they review, analyze, and modify the code before they move their code to the new database.	8.53
	Compare from file is supported as a step type in Change Assistant templates. Customers will be able to compare from a file in Change Assistant Templates and Change Packages.	8.53
	Application data sets are supported as a step type in Change Assistant templates. Customers will be able to compare and copy application data sets (Migration Workbench Data) in Change Assistant Templates and Change Packages.	8.53
	The Change Assistant user interface has been redesigned to simplify the setup process and avoid duplicate effort in defining databases. The new user interface uses the PeopleTools tangerine color scheme	8.54
	In PeopleTools 8.53 applying packages using the command-line interface was supported. This release you can perform most PeopleSoft Update Manager configuration and set up using the command-line interface.	8.54

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	When you install a PeopleTools patch, a change package containing all the database changes will be included in the PTP directory. A new task has been added to the Update Manager action 'Apply a Patch to Your Current PeopleTools Release'. The wizard will guide you through the setup process, check the compatibility and apply the patch.	8.54
	The Upload Database Information to PUM Sources is a stand-alone task in PeopleTools 8.54. You can use this action to upload the target database information, including products and maintenance logs. Once the database information is uploaded, the database will be available in PeopleSoft Update Manager as a target database. In previous releases this action occurred during internal processing, but was not a selectable task.	8.54
	After a database has been defined to Change Assistant, Change Assistant will retrieve the database information without relying on EMF. You need only configure EMF if using File Deploy.	8.54
	PeopleSoft Change Assistant installation includes new features. You can install multiple instances of PeopleSoft Change Assistant from the current release on one physical machine. Note: You cannot run more than one instance at a time. That is, you cannot run multiple instances in parallel. You must remove installations of PeopleSoft Change Assistant from PeopleSoft PeopleTools 8.54 or earlier before installing from the current release. PeopleSoft Change Assistant from PeopleSoft PeopleTools 8.55 cannot co-exist with that from earlier releases. You must install each PeopleSoft Change Assistant instance in a separate installation location. You can remove or upgrade each PeopleSoft Change Assistant instance separately. When you remove an installation instance, you have the option to save the existing configuration information in a group of files gathered in a zip archive. You can configure Change Assistant at a later time by importing the zip file.	8.55
	You can create a configuration file that contains the parameters and then run the command line using -INI parameter which contains the path to the ini file.	8.55
	Added a new job log file that contains all of the information entered in the Apply Wizard, as well as execution status of all the tasks and steps in the change package.	8.55
	Change Assistant provides the ability to upload projects containing customer data (object names only) to the PeopleSoft Update Image. Customer data includes: - Customization Impact - Create a project or projects that include Managed Objects that have been customized. - Test Impact - Test Objects - For customers using PTF, create a project or projects that include PTF tests. Metadata about the tests in the projects is uploaded to the Test Repository. - Test Impact - Component Objects - Create a project or projects that include components that have an effect on testing. Metadata about the components in the project is uploaded to the Test Repository.	8.55
	Starting with PeopleTools 8.55, Change Assistant provides the ability to export PUM Data from your old PeopleSoft Update Image to your new PeopleSoft Update Image. PUM data includes a customization repository, test repository, and change package definitions.	8.55
	The process for upgrading an older application release to application release 9.2 has changed. Customers will use the Define Upgrade Package option in PUM application to create 2 change package definitions, one that contains the upgrade template for the selected path and one that includes all the Required for Upgrade bugs. In Change Assistant, there is a new option to Upgrade Application. All customers using Change Assistant on PeopleTools 8.55 for application upgrades will use the Upgrade Application option in Change Assistant. Customers upgrading to an application release prior to 9.2 (for example, upgrading to 9.1), will download the template from the upgrade home page and RFU fixes from MOS. Customers upgrading to application release 9.2 will use the Define Upgrade Package component in PUM to create the upgrade change package and the RFU change package.	8.55
Component Interfaces	Using a domain connection password to connect to the application server is optional beginning in PeopleTools 8.53. If a domain connection password is specified, then the methods in the component interface APIs have to specify a value for it. You define the domain connection password using the DomainConnectionPwd field in the Security section of the application server configuration file, configuration.properties.	8.53
	The Microsoft Visual Basic 6 design environment is no longer supported by Microsoft, and the runtime binaries have limited support on only certain Windows platforms. Microsoft has published a 'Support Statement for Visual Basic 6.0 on Windows Vista, Windows Server 2008 and Windows 7' on its web site that contains additional information. As a result, PeopleTools 8.53 is the last release in which programming component interfaces in COM will be supported. Programming component interfaces in COM will not be supported in PeopleTools 8.54 and later releases.	8.53
	Last release PeopleSoft delivered a service, PTLOOKUP, to enable integration partners to retrieve lists of valid/allowable values for prompt and translate (XLAT) fields from PeopleSoft components on which component interfaces are based. This functionality allows integration partners to validate their client application data against PeopleSoft data. This release PeopleSoft delivers a REST-based service, PTLOOKUP_REST, to enable partners to use REST-based services to perform the same action.	8.53

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	In the previous release of PeopleTools, the Excel to Component Interface utility did not consolidate all errors for data submission on a single worksheet. PeopleTools 8.54 is adding an Errors worksheet to display all of the errors. These errors were previously displayed using mouse over move on the error status in the Status column of the Staging and Submission worksheet. You can also review the errors from an HTML page in tabular format. This will help you to review errors and warnings, now that they will be on a single worksheet.	8.54
	From this release of PeopleTools you can also validate multiple component interfaces in PeopleSoft Application Designer. This dismisses the cumbersome process of validating bulk component interfaces one by one in Application Designer.	8.54
Crystal Reports for PeopleSoft	In addition to the support of Crystal Reports 2008 designer, PeopleTools 8.53 also supports Crystal Reports 2011 designer. You can now run Crystal Reports in these two alternative environments: - Crystal Reports 2011 or Crystal Reports 2008 Runtime (Print Engine). - BusinessObjects Enterprise XI.	8.53
Cube Builder	You can use the Dimension Options page (CUB_DIM_OPTIONS) to specify a unique name for the blank member in the dimension. The name that you specify for a dimension member is used as a placeholder for any blank member that Cube Builder finds in the resulting query data rows.	8.53
Data Migration Workbench	The Data Migration Workbench manages this process with numerous checks and controls, including integrated approval workflow. Using this tool will result in significant improvements to the consistency of configuration between various PeopleSoft application systems. All this is done with quality control and approval checks in place. Application data sets are the technology layer for migrating data from one PeopleSoft database to another. Data set definitions define a group of records that constitute a data set which is the metadata that defines the shape of the data. Data Sets consist of a hierarchy of one or more record definitions and some properties. Each child record has all the keys of its parent record and optional additional keys. A data set instance has a single root row defined by the unique keys of the root record. Data Sets are used to facilitate the configuration management using the Data Migration Workbench.	8.53
	Application Data Sets are the primary data structures used in Data Migration Workbench. The new features in 8.54 provide the ability to: - Define relationships within and between Application Data Sets to better define structure. These references have properties that determine how and when certain processing will be done to better edit the data and when to include related objects into a project. They will also ensure that referential integrity rules are applied. - Define groups of records and fields within an Application Data Set that, together with group properties, can be used to define records and fields that can be safely merged or that should be hidden from compare. - Associate application classes that automatically perform specialized shape and value transforms that occur between Tools releases when needed.	8.54
	The user interface for reviewing compare reports has been redesigned to provide summary information regarding additions, deletions, differences, same and messages. Users can drill down to view the details for each line displayed and decide whether or not to accept the action.	8.54
	ADS definitions are delivered for the next generation PeopleTools managed objects like Pivot Grids Activity Guides, WorkCenters, Related Content and so on. These ADSs are used for upgrade, compare, merge, and validation in LCM activities. These delivered ADS definitions support shape and value transforms which make it possible to apply updates from the 8.54 PUM Source to either an 8.53 or 8.54 target database.	8.54
	Data Migration Workbench is used to migrate PeopleTools features, such as Pivot Grids and Activity Guides, from one PeopleSoft instance to another. In some cases, code may be required to apply PeopleSoft-delivered changes on top of a customer's customizations. A new feature within Data Migration Workbench allows specific rules to be applied when migrating data to enable changes to be applied while preserving customizations.	8.54
	Data Migration Workbench is now referred to as Application Data Sets in 8.55	8.55
Documents Technology	Beginning in PeopleTools 8.53 users can generate Java Script Object Notation (JSON) physical documents. In past releases, the only physical document output available was XML	8.53
	Beginning this release you can create documents from PeopleSoft records. When you create a document from a PeopleSoft record, the record name becomes the root element of the document and the record fields become primitive elements in the document. Moreover, you can include all or select fields for primitive elements in the document.	8.53
	The Document Tester has been modified to enable you to build out and test JSON documents. You can also generate PeopleCode to populate a document. You can then cut and paste the code and then supply the actual data for each element.	8.53
	A property has been added to the Document Builder - JSON page inside the JSON Details section called Hide Parent Object Label. When this check box is selected the system-generated JSON does not include the JSON label (object name in the parent document). This provides more flexibility to create a third-party JSON string. Note, that this option will be enabled if the PeopleSoft document was created using the Consume Web Service wizard in PeopleSoft Integration Broker.	8.54
Global Technology	The following languages have been added in PeopleTools 8.53: - Romanian (Language code ROM) - Turkish (Language code TUR)	8.53
	PeopleTools 8.54 is adding four more pages to support translating definitions in target languages. The definitions added are: Composite Queries, MAP Layout, MAP Template, and Data Set Definitions.	8.54

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	PeopleTools 8.54 introduces a faster method to convert Oracle databases to Unicode. Oracle Database Migration Assistant for Unicode (DMU) is a migration tool that provides a complete solution on Oracle databases to convert to Unicode. It also provides validation to identify any data that may have issues converting to Unicode.	8.54
	PeopleTools 8.55 includes the following updates to the global system: 17 new locale codes, 8 new currency codes, 7 updated currency codes, and 30 inactivated currency codes.	8.55
	PeopleTools 8.55 includes the following new and updated translation pages: - MAP Template - Composite Query Headings - MAP Store - Integration Group	8.55
Health Center	The Application dashboard provides a view of the overall health of each system in the environment. However, the status will be more accurately determined by analyzing a wide array of 'vital signs.' Accessible from the Application dashboard is a collection of dashboards that provide drill down to real-time monitoring of components and their resources.	8.55
	The Health Center includes in-browser viewing of all log files involved in the application.	8.55
	The monitoring and diagnostics framework includes self health monitoring and a notification framework. When conditions that alter the health status of a component or otherwise indicate potential for performance problems, alerts are generated and displayed in the user interface.	8.55
Integration Broker	For Provider REST GET service operations, developers can use server-side caching to make a resource instantly available the next time the instance is requested. Server-side caching is enabled by setting a new method on the Message object, SetREStCache, in the OnRequest PeopleCode event. When set, the entire transactional data is cached for the specific URI resource. Subsequent requests from a client with an identical resource will result in the data being pulled from memory/ file cache.	8.53
	The %IntBroker ConnectorRequest method now takes an optional Boolean parameter that enables user exception logic on the method. If you pass the optional parameter true and a user exception occurs anywhere in the function, the response message returns a Response Status property set to false.	8.53
	Beginning this release PeopleTools no longer delivers default passwords. As a result default passwords to access the integration gateway properties file and for the integration gateway certificate keystore are no longer provided. The default password for accessing the integration gateway properties file is now set during the installation of the PeopleSoft Pure Internet Architecture.	8.53
	An Active Integrations page is delivered with PeopleTools 8.53 that enables you to view active network integrations for any node registered in the network.	8.53
	The Network Bulk Change feature allows you to search for network nodes and routings that have certain characteristics and make changes to them. When working with nodes, you apply changes to all selected nodes at one time, without the need to log into each system one-at-a-time to make the changes. When working with routings, you access the routing definitions a single page and make any required changes, again without the need to log into each system individually to make the changes.	8.53
	A new Node Lockdown page enables you to lockdown settings such as user ID, node type, authentication, WS-security, and others.	8.53
	Settings that are defined in the integration gateway properties file can now be preserved across an upgrade so that administrators do not have to re-enter all gateway data and properties. The Gateway Metadata page enables you to backup integration gateway properties.	8.53
	In PeopleTools 8.52, checking the status of PeopleSoft systems in the Integration Network was a manual process. Administrators could go to a page in the Integration WorkCenter and see the status of all connected systems. In PeopleTools 8.53, checking the status is an automated process, providing around-the-clock status checks at intervals you define, and the results of the checks can be sent directly to an administrator.	8.53
	Whether performing manual processing verification or setting up automated verification, you can enable the system to return diagnostic and other information from the remote system, should an error or failure in processing occur. The information returned includes dispatcher name, number of active handlers, and so on. You can also choose to return information such as the number of transactions in retry status, memory available, and so on.	8.53
	The Network Monitor Setup link that provided access to the Network Monitor Setup page (IB_INTNET_MONSETUP) has been removed from the Network Status page (IB_VERIFYNETRS). The link has been replaced with a Network Status Setup link for setting up automated network status monitoring and notification. (Setting up automated network status monitoring and notification is described elsewhere in these release notes.)	8.53
	In addition to the Network Node page to register nodes in the integration network, beginning this release you can use a new Network Node Registration page to accomplish the same task. The Network Node Registration page enables you to register in the network any node that has been defined in the gateway PeopleSoft Node Configuration page.	8.53
	An integration network node, IB_NETWORK, has been introduced in PeopleTools 8.53. This node is used on systems that participate in the integration network to perform such functionality as register network nodes on the local system.	8.53
	A JMS Listening Connector Administration page is now available. The page is accessible using the JMS Administrator link on the Gateways page.	8.53

Product(s)	Feature	Version
	You can now search for messages to track by correlation ID on the Transactional Tracker - Tracker Main View page.	8.53
	An Active Integrations page is delivered with PeopleTools 8.53 that enables you to view active integrations in the network for any node registered in the network.	8.53
	This release PeopleTools delivers an Integration Broker Configuration Activity Guide. The guide is delivered as a pagelet in the Integration Network WorkCenter and guides users through the tasks of performing a basic configuration of PeopleSoft Integration Broker.	8.53
	If the same permission list needed to be set for more than one service operation, the administrator previously had to open each service operation, one-at-a-time, and make the changes. PeopleTools 8.53 features a Bulk Service Operations page that enables you to update service operations in bulk.	8.53
	Beginning this release, the first time you invoke a command in PSKeyManager you are prompted define a unique keystore password.	8.53
	Beginning this release customers are advised to use PeopleSoft's PSKeyManager utility to accomplish these tasks for all digital certificates (application server certificates, web server certificates, and gateway certificates).	8.53
	PeopleTools 8.53 features a new secure file transfer protocol target connector, SFTP target connector that enables the gateway to use SFTP to send messages to and receive messages from SFTP servers. It uses the PUT command to place messages or files from the integration gateway onto remote SFTP servers. The GET command is used to receive messages from SFTP servers. Base64 encoding is required for PUT request and is supported for GET requests.	8.53
	The REST-based services framework now includes a URI Template Builder that provides a graphic user-interface for constructing URI templates. In previous releases, developers have had to manually enter the complete URI resource in template form for each defined URI.	8.53
	An integration network node, IB_NETWORK, has been introduced in PeopleTools 8.53. This node is used on systems that participate in the integration network to perform such functionality as register network nodes on the local system.	8.53
	A Network Node Registration page has been added that enables you to register the local node across the network and to create network nodes on the local system. The remote nodes available to register as in-network nodes on the local system are those defined as PeopleSoft nodes (PIA) and that are defined in the PeopleSoft Node Configuration page in the PeopleSoft Nodes grid.	8.53
	For service operations that contain JSON-formatted document type messages, you can select whether to perform runtime message schema validation. The Service Operations - General page features a Runtime Schema Validation group box that enables you to select to perform runtime message schema validation on request messages, response message, or both. This can have performance benefits for cases such as synchronous service operations where PeopleSoft is the provider. The inbound request message can be validated coming from a third-party integration partner; however the response message does not need to be validated in this case.	8.53
	The Maximum Number of Segments parameter is a built-in global parameter that determines the maximum number of segments that can exist in a message. When the number is met, a new message is created and begins to be populated. The default value is 10. The Maximum Number of Segments parameter is set on the PeopleTools Options page.	8.53
	To facilitate integrations with third-party systems, beginning this release Integration Broker adds support for Version 1 cookies. Version 1 cookies have more attributes than Version 0 cookies. Integration Broker's implementation of Version 1 cookies will be backward-compatible to Version 0 cookies.	8.53
	The Deployment Validation component (PTIB_INTROSPECTION) and its associated pages used to create routing definitions using introspection have been removed from PeopleSoft Integration Broker. In previous releases a link to this component existed on the Service Operations page (IB_SERVICE). The link has been removed from the page. Going forward use the Integration Network's Introspect and Deployment feature to introspect and deploy routings.	8.53
	The Mobile Application Platform delivered in PeopleTools 8.54 uses PeopleSoft Integration Broker and REST services as part of its framework. As a result defining the target location for REST services is mandatory as part of the Integration Broker configuration. And, when defining the REST target location, the default local node must be part of the REST URL.	8.54
	PeopleTools is delivering a Remote Intradoc Client (RIDC) target connector to allow users to interact with the Oracle WebCenter Content product. Oracle WebCenter Content provides leading edge solutions for all types of content management needs. It has been chosen as the repository for large data sets for Fusion document discovery and transfer.	8.54
	To add more flexibility in the REST framework, you can assign optional content types and status codes to message instances on REST service operations. Generated WADL documents will reflect the optional selected values, allowing consumers to request the content type they prefer. You can define optional content types on request, response, and fault message instances. You can define optional status codes on response message instances.	8.54



Product(s)	Feature	Version
	Two new options will be available for setting the security requirements for inbound consumer REST services. Currently, when developing provider REST services, you can require that inbound consumer services are sent using SSL, basic HTTP authentication, and basic HTTP authentication and SSL, or none of these. Beginning in PeopleTools 8.54, PeopleSoft Token and PeopleSoft Token and SSL are added inbound security options.	8.54
Integration Tools and Utilities	A Handler Tester link now appears on the Asynchronous Details page in the Service Operations Monitor when working with Subscription Contracts. Click the link to launch the Handler Tester utility with information from the subscription transaction pre-populated in utility for testing.	8.53
	You can now search for data in the Service Operations Monitor by correlation ID. The correlation ID field appears on the following pages: Operation Instances page, Publication Contracts page, and the Subscription Contracts page.	8.53
	When using the Asynchronous Details page to view a subscription contract, you can now access the Handler Tester to perform testing and troubleshooting. A Handler Tester link appears in the Subscription Contracts Action grid. Click the link to access the Handler Tester. The Handler Tester appears with transaction data from the contract populated into the tester.	8.53
	A Queue Status field has been added to several asynchronous monitoring pages to indicate the status of the queue processing a transaction. The valid values for Queue Status field are Running or Paused. The field appears on the following pages used to monitor asynchronous transactions: Monitor Overview page, Sub Queue Operation Instances page, and the Asynchronous Details page.	8.53
	Correlation IDs are used to correlate into a single transaction messages that are sent separately. PeopleSoft has added correlation ID as a data search/filtering option on the following pages of Asynchronous Monitoring component in the Service Operations Monitor: Operation Instances page, Publication Contracts page, and Subscription Contracts page.	8.53
	The Provider REST Template utility enables you to create a provider REST template for any provider REST service for which WADL has been generated. This template consists of example request, response and fault shapes that can be used in the Handler Tester utility, the Transformation Tester utility or the Send Master utility to test REST-based messages. You can also use the utility to invoke a test service operation.	8.53
	An HTTP Trace option has been added to the Service Operation Tester utility. When testing REST consumer services, you can select this option to see the data received at the other end of a request chain and use that data for testing or diagnostic information. When you select this option and send a request, the data returned is the data received by the service provider.	8.53
	The Send Master utility has been enhanced to use Base64 encoding to encode a basic authentication string and then specify the encoded string as a header in a Send Master Input File project.	8.53
	The following integration technologies described in Supported Integration Technologies will be deprecated in the PeopleTools 8.53 release and will not be available after the PeopleTools 8.54 release: - Electronic Data Interchange (EDI) Manager - Forms API - Query API.	8.53
Lifecycle Management Technology	A new option has been added to the Upgrade Options -General Options page for Permission Lists, Roles, Menus. If Roles, Menus or Permission Lists are renamed or cloned, this information is tracked in tables that store the original name. This information is used by PUM Security Automation when change packages are created to apply updates.	8.55
	A new option has been added to the Upgrade Options- Report Options page to generate PrintProject reports. PrintProject produces an HTML report in RTF (rich text) format.	8.55
Mobile Application Framework	PeopleTools provided support for the option of deploying PeopleSoft fluid applications to mobile devices using the Oracle Mobile Application Framework (MAF).	8.54
	PeopleTools 8.55, we enabled Push Notifications for fluid applications deployed using MAF.	8.55
Mobile Application Platform	PeopleSoft is delivering the ability to create a responsive user interface using standard technologies such as HTML5, cascading style sheets (CSS3), and JavaScript. Applications built with MAP can include media queries that allow applications to scale from Smartphones, to mini-tablets, to full-size tablets, and that adjust the user interface for the device perspective that is being used. The framework allows you to develop applications with touch interfaces that look and operate similarly to native interfaces on mobile devices.	8.54
	MAP supports a web-only development model for the majority of the application development. The document-based data structures, page layouts, and styles are all defined in the PeopleSoft Pure Internet Architecture. Business logic processing is done through PeopleTools application class PeopleCode built in PeopleSoft Application Designer. Additional user-interface libraries can be easily plugged in and accessed on pages.	8.54
	Mobile Application Platform (MAP) often uses component interfaces (CI) for back-end business processing while providing a lightweight, decoupled, presentation layer. In past releases, using CIs has been problematic because each call to the server required the component Interface instantiated from the database. Now MAP takes advantage of new behavior in component interfaces to allow the CI to retain state, so the CI doesn't have to be loaded into memory for each server call. This new CI feature improves the performance of using back-end CIs for business processing and is available as a built-in MAP feature. The fact that component interfaces are able to retain state means that simple user interfaces can be created out of very complex component interfaces that perform at speeds required for mobile devices.	8.55

Product(s)	Feature	Version
	A repository of MAP UI components is now kept and available to users or developers to assemble MAP applications. Developers can create application 'parts' or 'mini-apps' that are included and listed in the MAP Store. Using the Rapid Application Designer, contents from the MAP store can be quickly assembled into applications that are deployed to users. The store approach to MAP development emphasizes the ability to build once and reuse application parts to assemble end user applications. Libraries of 'parts' and 'mini-apps' can be created of commonly used business functionality that can be used and assembled into deployable applications without having to write program logic.	8.55
	Pages build with Mobile Application Platform did not integrate seamlessly with the PeopleSoft Fluid User Interface. Improvement to coexistence is made in two areas: - Improved back button support. Back button integration has been enhanced to keep the last link coming from a PIA or Fluid page and being able to return to that link. This lets Fluid pages invoke MAP pages and let the user seamlessly navigate back to the calling application through means that they are familiar with. - Improved look and feel. There is a new MAP template called PT_FLUID_TEMPLATE that is available to assign to MAP pages to give them the same look and feel as pages built with the PeopleSoft Fluid User Interface.	8.55
	Related Actions are a very useful means of navigating the system without menus. They are used throughout the Classic and Fluid User Interface and now, with this release, are available in the Mobile Application Platform. MAP includes this feature by enabled related actions to be defined on static text, input fields and list views.	8.55
MultiChannel Framework	MCF no longer uses chat back badges for presence detection in GTALK because Google no longer supports chat back badges. In PeopleTools 8.53, MCF supports GTALK only through XMPP. You should configure GTALK over XMPP to enable MCF to detect user presence and to initiate the chat client.	8.53
	MCF supports the NT LAN Manager (NTLM) and the Simple Authentication and Security Layer (SASL) authentication mechanisms for outgoing emails. To enable these authentication mechanisms, you must add and configure the NTLM and the SASL parameters in psappsrv.cfg and psprcs.cfg for a primary server and if required, for a backup server. MCF does not set default values for the NTLM and the SASL parameters in the configuration files.	8.53
	Email attachments can now be stored in a database, and the email attachments are accessible by URLs from a browser. Retrieval of an attachment is secured by user-based and role-based security. If an attachment cannot be stored in the database due to the unavailability of a connection, an error is displayed. In such cases, you must attempt to save the attachment again. PeopleSoft MCF does not provide a mechanism to move existing email attachments that are stored in the attachment repository to the database.	8.53
	Prior to PeopleTools 8.53, users had to use an internal keystore when configuring a REN server. In PeopleTools 8.53, users now have an option of using an external PKCS#12 keystore, which allows users to set keystore file path, password, and truststore file path, when configuring the REN server. The option to use an external keystore allows users to reuse their web server certificates that are secured through SSL. In addition, Oracle also provides a batch file to convert an existing Java keystore to a PKCS#12 keystore.	8.53
	The visibility of the MultiChannel Console link in the universal navigation header on PeopleSoft Pure Internet Architecture (PIA) is now controlled by the PTPT4700 permission list and the PeopleTools MCF Console role. Only users assigned with this permission list and role can view the MultiChannel Console link on PIA. The exceptions to this rule are the PeopleTools Administrator and Portal Administrator users.	8.53
	PeopleTools 8.53 no longer supports the CTI Console Java applet.	8.53
	Microsoft has retired Messenger and no longer supports any presence detection features. Therefore, MCF no longer supports presence detection on MSN client messaging. Also, Skype no longer supports presence detection feature in a contact list, so MCF no longer supports presence detection on Skype client messaging.	8.54
PeopleCode	Beginning with PeopleTools 8.53, PeopleTools will use the standard charting capabilities found in Oracle's Application Development Framework (ADF) Data Visualization Tools (DVT) Graph to render the following charts: - Bar charts. - Pie charts. - Line charts. - Histograms. - Scatter charts. - Bubble charts.	8.53
	In PeopleTools 8.53, the following new classes have been added to the PeopleCode API: -Activity guide classes. - Application Data Set classes. - PeopleSoft Search Framework classes.	8.53
	The OrgChart class has been enhanced to support node views. Node views allow applications to display alternate information on a node. For instance, one view might show a person's name, photo, and job information, while another view might show that person's name and contact information. A node view definition includes a full definition of the node contents.	8.53
	The PeopleTools 8.53, the Gantt class has been re-implemented to provide a look and feel more consistent with the rest of the PeopleTools user interface. Functional enhancements include: - Improved horizontal and vertical scrolling. - Introspection of time information on tasks to determine the most appropriate time scale to display. - Style information is now stored in Application Designer style sheets.	8.53
	A reference area can be displayed in conjunction with a chart as a band of color drawn based on numeric values along a chart axis. For each band of color, you would create a separate instance of the ReferenceArea class.	8.54
	For Chart class charts and gauge charts, you can use the DeviceType property to provide a browser-specific look to a chart.	8.54

Product(s)	Feature	Version
	You can create custom style class definitions in Application Designer that are identified by a common suffix. Then, Chart class charts and gauge charts can use these custom definitions when the same suffix is specified by the AdditionalStyleSuffix property.	8.54
	Chart class charts, gauge charts, and Gantt charts can display WCAG 2.0-compliant representations of the chart data.	8.54
	Chart class charts and gauge charts use the AnimationType and AnimationDuration properties to control animation of the charts.	8.54
	Chart class charts and gauge charts are produced as HTML5 output.	8.54
	Three gauge classes have been added that allow you to display metrics in several common formats, including dials, status meters, and LEDs. A gauge is used to visually display a single metric. The Threshold class, used in conjunction with the three gauge classes, provides a way to add reference areas and color coding to your gauges.	8.54
	The RatingBoxChart class has been enhanced with these features: - Quadrant labels - Hiding axis labels - Related actions	8.54
	Using the IsChartDrillable property, the chart background (that is, the entire chart control) can be made interactive. (This is in addition to the chart data points, which can already be made interactive by using the IsDrillable property.)	8.54
	A funnel chart typically graphs two sets of data: actual amounts versus target amounts.	8.54
	A reference line can be displayed in conjunction with a chart as a colored line drawn based on a numeric value along a chart axis. For each line, you would create a separate instance of the ReferenceLine class.	8.54
	This enhancement extends support to the Finding Definition References feature to enable searching for application classes and application class methods.	8.55
	Previously, the SetDataYAxis method and other Chart class methods took one RECORD.FIELD parameter only, which meant you had to use the SetDataSeries method to specify series values in a separate record field. With PeopleTools 8.55, the SetDataYAxis method and three other Chart class methods now take multiple RECORD.FIELD parameters, each representing a series. This allows your record data to be organized in a more natural tabular form.	8.55
	While the typical chart is designed to show as much data as possible, spark charts are intended to be succinct, memorable, and located where they are discussed.	8.55
	Spark charts are used to visualize the trend of a data set in a compact form factor. They are best used to view trends over time, especially when paired with additional context such as in a table. Absolute values and individual data points are not emphasized, so spark charts should not be used to visualize data where such things are important.	8.55
	Rating gauges are typically used to display or accept user feedback on a product or service. A rating gauge can be interactive or display only.	8.55
	When the values in a chart vary widely from data series to data series, or when you have mixed types of data (for example, both revenue and quantity data), you can plot the additional data series on a second vertical axis referred to as a 'secondary y-axis' (or Y2 axis). The scale of the secondary y-axis reflects the values for the associated data series.	8.55
	Users can select one or more data points (bars, slices, and so on) on a chart. Selection creates a highlight around the data item. Users can also de-select one or more of these items. The ChartClientState class used in conjunction with the Chart class allows PeopleSoft applications to manage and maintain user-selected data items.	8.55
	The ToolTipLabel class is used in conjunction with the Chart class to display custom tooltips (also referred to as 'data hints' or 'hover text') on chart data points thereby overriding the default tooltips that are automatically created from the chart data.	8.55
	The Series class is used in conjunction with the Chart class to override the default chart type (as defined by the Type property for the Chart object) for selected members of a data series. Using the Series class allows you to create combination (or overlay) type charts by rendering more than one chart type simultaneously.	8.55
	This enhancement includes the addition of the following fields in the Find In and Find Definition References dialog windows: - The Definition Name combination box that allows text edits and includes a drop down list box that lists the 10 most recently used (MRU) items. - The Owner ID list box.	8.55
	To considerably improve searching for text strings in PeopleCode programs for the Entire Database option, a prerequisite step of compiling and saving all PeopleCode in the database can be performed.	8.55
	The auto-complete feature in PeopleCode Editor has been extended to include the following enhancements: - Auto-completion support for keywords. - Linking context-sensitive online help for an item listed in the auto-complete list control. - Support for retaining the parameter information window until the user completes typing-in all the parameters. - Support for highlighting the current parameter in the parameter information window.	8.55
	Keyboard support has been added to the following features in the PeopleCode Editor: - Accessing PeopleCode Editor from the current definition open in the Application Designer workspace by pressing CTRL + E on the keyboard. - Accessing PeopleCode Editor for the Application Class from the Application Designer workspace by pressing CTRL + E on the keyboard.	8.55

Product(s)	Feature	Version
PeopleSoft Deployment Packages	In PeopleSoft PeopleTools 8.55, Oracle recommends that you use the PeopleSoft Deployment Packages (DPKs) to install and configure your PeopleSoft environment. DPKs offer out-of-the-box functionality that greatly enhances the installation and configuration of your PeopleSoft environment, which is not available via the standard VCD installation. DPKs allow fast deployment of a PeopleSoft environment on any hardware platform - physical hardware ('bare metal') or virtual. The DPKs can be installed on any Linux and Microsoft Windows platforms supported by Oracle for PeopleSoft systems.	8.55
PeopleSoft Fluid User Interface	PeopleSoft introduces the PeopleSoft Fluid User Interface. Designed as a significant improvement over the PeopleSoft 'classic' user interface, the PeopleSoft Fluid User Interface moves away from pixel-perfect page layout and provides greater flexibility with the enhanced use of cascading style sheets (CSS3), HTML5, and JavaScript. fluid page definitions are maintained within PeopleSoft Application Designer, and the application developer will have the ability to define and apply conditional formatting appropriate to Smartphone, tablet, or large-screen devices.	8.54
	The PeopleSoft Fluid User Interface supports device-side capabilities for mobile devices such as the embedded camera for image uploads. With PeopleTools, application developers can construct modern mobile applications and deploy them in conjunction with the deep functionality of PeopleSoft applications to create a powerful, dynamic experience for users.	8.54
	The new PeopleSoft Navigation Bar (also referred to as NavBar) offers faster and more intuitive navigation across the PeopleSoft application. The Navigation Bar is a new fluid structure that is always available as a dynamic window that slides out from the side of the page. On fluid-enabled systems, the PeopleSoft Navigation Bar will be available even on PeopleSoft classic pages, creating a seamless experience for users as they navigate the system.	8.54
	The Notification Framework is a mechanism employed by PeopleTools that updates a widget in the homepage header. As data is updated within applications, the notification widget reflects a sum of all notifications from all applications represented in the home page. It shows users the number of items that need their attention and enables them to view and act on those items using the Notification Window. For example, if an application provides the number of outstanding invoices yet to be approved by the user, the Notification Framework might be used to update the count dynamically as new invoices are generated.	8.54
	Tiles, also called grouplets, provide a discrete view to a segment of the PeopleSoft application. It is a structure on the homepage that will help the user navigate to a fluid page (or even a classic page), but the tile also can provide valuable information in its own right. Designed to be more than a button on a homepage, the tile leverages the ability to display dynamic content from PeopleSoft, including visual content from PeopleSoft Pivot Grids, or other information sources. A tile on a fluid homepage can be compared to a pagelet on a classic homepage.	8.54
	Fluid Homepages are the fluid version of an application home page. Similar to the current portal technology, the fluid homepage is where a user arrives after logging into the system. The fluid homepage brings together information that will assist a user in understanding what's happening and what needs their attention, while providing an easy way for the user to navigate to key parts of the PeopleSoft system. A system can contain multiple fluid homepages for different uses. Customers can easily create new homepages and publish them to users, groups of users, or specific roles. End users can create their own personal homepages, where they might associate information of relevance or importance to themselves	8.54
	Fluid options added to the Component Properties for Component, Search, and Help options.	8.55
	A new Back button option is available for both fluid and classic components, named Return to Last Page in History. If selected, when an end user clicks the Back button after being transferred to another component, the system returns the user to the previous component and displays the last page visited within that component. Otherwise, the system displays the first page in the component, regardless if it was the last page visited. This option can be enabled also using the SetTransferAttributes PeopleCode built-in function.	8.55
	PeopleTools portal technology includes these enhancements that support developing and delivering fluid applications in PeopleTools 8.55: - Fluid activity guides - Fluid dashboards - Fluid related content - Tile enhancements - Tile Wizard - Branding enhancements - Conditional navigation enhancements - Homepage enhancements	8.55
	For fluid development, you can now create master-detail components, offering developers more power and flexibility when designing pages for navigation and to assist users by aggregating commonly accessed application components within a single navigational structure. Master-Detail structures are conceptually similar to classic PeopleSoft WorkCenters in that they provide a navigation pane and pane for target content. The overall master-detail component enables navigation between multiple components. The collection of components represents a collection of work typically performed by a particular role, for example, with the navigational items appearing in the left pane. When users tap items in the navigation pane, the target pane displays the appropriate detail content.	8.55
	The Navigation Bar (NavBar) is improved for use with Small Form Factor devices. When screen width is limited, the NavBar will show only the tile list. The user can navigate from a tile in the list to the second level and make a selection, or navigate back to the tile list; but only the tile list will be displayed. This makes a fluid page and the NavBar specifically work better in touch first mode.	8.55

Product(s)	Feature	Version
	Prior to PeopleTools 8.55.09, if an end user accessed the Fluid User Interface and no tiles in the system were associated with fluid components enabled for small form factor devices (smartphones), the system routed the user to the classic homepage, rather than displaying an empty fluid homepage. Beginning with PeopleTools 8.55.09, this behavior has changed. The system displays an empty fluid homepage, rather than routing the end user to the classic homepage. Remember that if a fluid component is suitable for small form factor display and usage, and you want it to be available on fluid homepages for small form factor devices, select Display on Small Form Factor Homepage on the Fluid tab in the Component Properties dialog box in Application Designer.	8.55
	PeopleTools 8.55 introduces new page types that you can select from the Page Type drop-down list on the Use tab of the Page Properties dialog box. - Side Page 1: A side page that users can slide in from the left of the display to view its contents. The Side Page 1 is typically used to display left navigation. - Side Page 2: A side page that users can slide in from the right of the display to view its contents. The Side Page 2 is typically used to display related content for a component. - Master/Detail Target Page: Used within the master-detail framework. The master-detail target page displays the application transaction page (the detail) that is displayed after selecting an item in the left navigation pane (the master).	8.55
Pivot Grid	Pivot Grid administrators use the Pivot Grid Administration component to administer Pivot Grid models, views, and user personalization.	8.53
	Starting from PeopleTools 8.53, the Pivot Grid Viewer component uses these parameter types and their values to pass prompt values dynamically to render the pivot grid models in a Related Content frame or to use Related Actions to render a pivot grid model: - Pivot Grid PSQuery Prompt Values - Parameter Name: Unique name for the prompt in PSQuery. - Pivot Grid PSQuery Filter Values - Parameter Name: Unique name for the corresponding field in PSQuery.	8.53
	In the Pivot Grid wizard - Specify Data Model Values page, you can select the Display option to enable the column to appear in the detailed-data view of the grid and the chart. You can also select this column as a related action parameter for a Pivot Grid model in the detailed-data view. In Pivot Grid models, you can configure the related action at the cell level in the grid. Each cell in the Pivot Grid model represents an aggregate fact value. For each fact, the combination of different dimensions is defined for each related action service. Clicking the fact value number populates a related action menu, which is a combination of all the related actions that were configured for that fact.	8.53
	If you view aggregate data - for example, SUM, AVG, COUNT, MAX, MIN - you can drill down to view the data that comprise the aggregate value displayed in the grid and chart by clicking a value in the grid or chart.	8.53
	You can display the grid from a chart-only view and then perform various actions - such as pivoting data, dragging and dropping, and slicing and filtering data - to change the grid layout. After the layout is satisfactory, you can synchronize the chart with the grid view.	8.53
	Pivot Grid Progressive Filtering is functionality provided in the Pivot Grid where the selected filter values are updated in the list of values available for the filters after each filter is applied. When you perform filtering on a pivot grid or chart, the list of available filter values are progressively filtered based on your selections. This feature enables you to retrieve only relevant values for the filters so that they can be selected appropriately. For example, a selection of a particular geographical location filter value returns departments that are valid only for that location. Selecting a department will then return the list of employees that are valid for that department only.	8.53
	Starting from PeopleTools 8.53, using the filter drop-down list in the Pivot Grid Viewer page or the Pivot Grid Wizard - Pivot Grid Display page, you are able to select multiple filter values in grids and in charts to filter data on multiple values instead of a single filter value.	8.53
	Starting from PeopleTools 8.53, these Pivot Grid Viewer features will be compatible with Active Data Guard (ADG).	8.53
	Pivot Grid pagelets are able to interact with each other and with transaction pages. Prompt and filter value changes can be published and subscribed to in real-time	8.53
	Beginning from PeopleTools 8.53, there are a number of functional enhancements in the Pivot Grid Wizard component	8.53
	Beginning from PeopleTools 8.53, user interface enhancements are available in the Pivot Grid Wizard and Pivot Grid Viewer components.	8.53
	Pivot Grid uses PSQuery as the data source and the aggregated results of the query are displayed in a grid and chart. While displaying the results, Pivot Grid does an ad-hoc runtime manipulation of the query to get the desired results. Pivot Grid executes different types of queries at run time for various uses. Given these manipulations being done by Pivot Grid on the query and the complexity of PSQuery itself, there are some limitations on the query that is used as a data source for Pivot Grid.	8.53
	Beginning from PeopleTools 8.53, there is enhanced support for the Pivot Grid Viewer component in accessibility mode. An option is provided to view chart data as a grid. Users can navigate and perform actions on the pivot grid using the keyboard.	8.53
	You can copy the fluid components between databases. The only restriction is that within a database you cannot clone a model created out of component data source.	8.54

Product(s)	Feature	Version
	In a Grid and Chart view, selecting a chart data point displays the detail view for the data point. If aggregate action is configured for the Pivot Grid model, selecting a chart data point also enables you to perform aggregate related actions.	8.54
	If the personalization views are available for the current model, you are able to use the Reset option from the Option Menu icon in the Pivot Grid Viewer page to clear all the personalizations and to reset the Pivot Grid model to the default setting (without personalization).	8.54
	When you search for existing Pivot Grid models using the Pivot Grid Viewer search page, you can select the Show All Views option to display the default and non-default views that are associated with the Pivot Grid model.	8.54
	In the Fluid Viewer, you can set the row-level related action for the Pivot Grid model that has the Detail View set to Grid and List. Each row of data in the Detail View has an Actions option to perform the row-level action. The grid or list view has multiple Select options, and the Actions button is used to perform the bulk related action for the selected rows. Clicking the chart data point or the fact in a grid populates the aggregate-related actions. The functionality for these related actions is similar to that in the classic Pivot Grid Viewer.	8.54
	From the Query Manager component, the Pivot Grid designer, application developers, or report administrators can use the Publish as Pivot Grid link to access the Review Pivot Grids page. From the Review Pivot Grid page, they can click either the Edit or the Add button to access the Pivot Grid Wizard - Select Data Source page, where they can add new Pivot Grid models or update existing ones that use the current query as the data source.	8.54
	Application developer can use the Publish as Grouplet link in Pivot Grid Wizard to create the grouplets that are used in the Fluid mode. These grouplets are configured to point to the Fluid Viewer component for the specific Pivot Grid model.	8.54
	From the Pivot Grid Display page in Pivot Grid Wizard, you can use the Configure Pivot Grid View link to access the Pivot Grid Views Component, where you can create or edit views that are associated with the Pivot Grid model.	8.54
	When the Pivot Grid model contains dimensions with totals on the lowest level of the grid row or column, the Expand All and Collapse All links appear in the grid title region on the Pivot Grid Display page. You use the Expand All link to expand all the dimensions in the row and column positions for totals. You can also use the Collapse All link to collapse any expanded positions in the grid row or column for totals.	8.54
	Use the Fluid Mode Options section in the Specify Data Model Options page to specify how to display the view of the Pivot Grid models in the Fluid mode.	8.54
	Use the Display Mode section in the Specify Data Model Options page to specify a display mode at the view level for PSQuery Pivot Grid models. The selected option in this section can override the viewer that is used for opening the Pivot Grid view.	8.54
	In the Specify Data Model Options page - Display Options section, if the Show Help option is selected, the Help Message section appears and you are able to define the help information. The embedded Help icon is available in the Grid Viewer page.	8.54
	You can select either the Percentage or the Percentage Grand Total option to display the number (fact) values in the grid and chart.	8.54
	You can use the Specify Data Model Values page - Formatting Options section to set the currency controls, currency symbols, and one-thousand separators	8.54
	Beginning from PeopleTools 8.54, if the PSQuery expression is based on a formula and that expression is used in the Pivot Grid model, then the type of the column should be set to Value, and the Aggregate value should be set to None to avoid multiple aggregations on the column.	8.54
	Beginning from PeopleTools 8.54, if expression is used in the Pivot Grid model, then the formula-based expression can be used only as a column value and no aggregate function should be applied if the aggregation functions are derived from the other columns that make up the expression. You can select the None option in the Aggregate column for the expression to avoid multiple aggregation on the column. The formula-based expression cannot be used as a column axis. The formula-based expression should be comprised of only other column values.	8.54
	You use the Max Rows in Pivot Grids field in the PeopleTools options page to set the number of rows returned in detail or list view in search (that is obtained by executing the query). The default setting is 100. This setting applies for component real time search view, Fluid Mode view, and Pivot Grid Detail View in classic viewer.	8.54
	Fluid components should have the real-time search configured using Pivot Grid. To configure, application developer can use Pivot Grid Wizard to define Pivot Grid models by selecting component data source. The wizard creates a query behind the scenes with the same name of the component and associates it with the model. This query is based only on the search record of the component. The keys of the search record become the prompts for the model.	8.54
	Each dimension in the Pivot Grid model can be associated with a PeopleSoft Summer Tree (which has the tree details associated with a component). The totals that appear in the Pivot Grid are limited to only the lowest level of the tree structure.	8.54

Product(s)	Feature	Version
	The Scatter and Bubble chart types are available for the Chart Only models. These chart types apply for the classic Pivot Grid Viewer, Pivot Grid Fluid Viewer, and search pages. You can select the chart types at the model level or at the view level. In addition, end users can set this chart type using the chart options.	8.54
	PSQuery supports drilling URLs that enable you to navigate to either a PeopleSoft Pure Internet Architecture page, another query result page, or an external page. These drilling URLs can contain context-sensitive bind values obtained from the query result row. For example, a drilling URL enables you to navigate to a component by taking key values from the row where you click a cell. You use PeopleSoft Query - Query Manager to define drilling URLs. When a Pivot Grid model uses a query as the data source, and that query is defined to include the drilling URLs in the query results, Pivot Grid Detail View displays the drilling URL results.	8.54
	Application developers can embed multiple Pivot Grid fluid subpages inside any application Fluid page to display different views of the Pivot Grid model.	8.54
	You can use mobile interaction platforms (for example, smart phones, iPad, and so on) to view Pivot Grid models and apply the functionality of Component Real-Time Search (CRTS).	8.54
	Pivot Grid Fluid mode, or Pivot Grid Fluid Viewer, represents the Pivot Grid models in a touch friendly and responsive user interface. All Pivot Grid models, including the existing Pivot Grid models created in an earlier release and the newly-created models, can be represented in the Fluid Viewer component. This example shows the grid and detailed view for a Pivot Grid model. You can perform drilldown to details from the chart, change the axis level, drag axis between column and row regions, drag filters to rows or columns, expand or collapse nodes in the grid, and so on.	8.54
	In the previous releases, you were able to create Pivot Grid models using Pivot Grid Wizard and set PSQuery as the data source. Beginning from PeopleTools release 8.54, you are able to create Pivot Grid models using Pivot Grid Wizard and set PSQuery or Component as the data source.	8.54
	Using the delivered PIA interface, customers can perform configuration actions on specific PIA-based objects, such as Related Actions, Activity Guides, Pivot Grids, Work Centers, and so on. In the subsequent application upgrades, when fixes are delivered on these PIA-based objects, all configurations are identified and preserved on the customer environment if they uptake the fixes using PeopleSoft Update Manager (PUM).	8.54
	Use the Configure Thresholds page to configure the basic threshold settings for the grids and the charts. Note that all threshold settings are applied for both classic and fluid views.	8.55
	Beginning in PeopleTools 8.55:- In fluid view, all filters, facets, grid rows, and grid columns that are attached to Trees are shown in hierarchical order.- Users can select multiple tree filtering options (nodes or leafs) in fluid view. If partial or full nodes are selected, the colored toggle icons indicate the selection.- Parent nodes are marked as selected if all of their descendents are selected. Parent nodes are marked as partially selected if any child node is selected.	8.55
	You are able to display the currency symbol for the columns that are set to Value. If you select to display the currency symbol, the Value column is appended by the currency symbol, such as \$, £, and so on. The Y-axis columns will display the currency symbols next to the label of the axis. When users hover over the charts, the symbols appear in the embedded labels to show the data points plotted on the chart.	8.55
	You are able to define the aggregate labels for the columns. These aggregate labels will be displayed as the Y-axis field in the Specify Data Model Values page, Chart Options section. The Y-axis field in the User Charting Options page. The titles of the columns in the grid. The title of the Y-axis in the chart.	8.55
	Use the Specify Data Model Options page, Fluid Mode Options section, Facet Selection region to set the facet display options to display the single-select and multi-select facets as charts and as lists in fluid views. In the chart facets, you can drill down by clicking the chart data point in the facets. Note that you can use the Update Filters option in the Menu Options list to add or remove existing facets in the model. You can also sort data in facets and filters using the Facet Sort icon at the top-right of each facet.	8.55
	Use the Specify Data Model Options page, Fluid Mode Options section, Drilling URL Options region to define how mapped drilling URLs will appear in fluid view. The available options are Full Page Modal, Modal Window, New Window, and Replace Window.	8.55
	Composite Query enables you to combine data from existing queries and then to apply filters, aggregates, and so on before presenting the report results, which show the combined data set. Composite Query retrieves multiple levels of related information about existing queries and presents the combined data as a single, flattened query result. Beginning from PeopleTools 8.55, you are able to associate composites queries as the data sources when you create Pivot Grid models. The steps used to create composite query Pivot Grid models are similar to the steps used to create PSQuery or component Pivot Grid models	8.55

Product(s)	Feature	Version
	Simplified Analytics enables end users of a fluid application page to create contextual analytic reports. They can create their own reports based on the pre-defined templates by selecting the fields, filling the prompt fields, defining the layout, and selecting different types of visualizations. Pivot Grid administrators or Pivot Grid super users can create and publish reports (based on the configured base templates) to all users of the component. To enable Simplified Analytics for a component, application developers or business administrators have to associate one or more Pivot Grid models (or base templates) to a component. They can also map page fields to the prompts that are associated with the template model and define the required context. Note: The Simplified Analytics feature is only available for fluid components, and this feature must be enabled for fluid components before users can use the Simplified Analytics wizard to create and view analytic reports.	8.55
	Beginning from PeopleTools 8.55, the Display Mode section is no longer available in Pivot Grid Wizard, Specifying Data Model Options page. You can use the Pivot Grid Viewer search page to open and view the Pivot Grid models in either fluid view or classic view.	8.55
	Use the Date Format field on the My Preferences page (Main Homepage, My Reference, Regional Settings) to set the format of the date fields in Pivot Grid charts and Pivot Grid grids. The format settings at this page are applied for all date values in fluid and classic views.	8.55
	In the previous PeopleTools releases, end users cannot copy an existing Pivot Grid models while viewing the models in Pivot Grid Viewer. Only Pivot Grid administrators can copy or clone existing Pivot Grid models. Beginning from PeopleTools 8.55, all users can use the Save As option in the Menu Options list to copy the current Pivot Grid model and save it as a different one. If personalizations are defined for the current Pivot Grid model, then personalization are also copied and included in the new model.	8.55
	In the previous PeopleTools releases, you were able to define the aggregate functions for the data source column with the column type set to Value. The available options are Average, Count, Maximum, Minimum, Sum, and None. Beginning from PeopleTools 8.55, additional option Count Distinct is available for you to define the aggregate functions. Note that Count or Count Distinct aggregates are available for the fact fields that are set to character.	8.55
	The Dual Y-axis column in Pivot Grid Wizard is available only for the columns that are set to Y axis. You use this column to set the corresponding Y axis column as a dual Y axis on the Pivot Grid charts; this means that the system will display a second Y axis on the chart. The values for the second Y axis will be plotted like a Series on the chart.	8.55
	When you use Pivot Grid Wizard to specify axis information, you can set multiple columns as Y axes, and these Y axes will be plotted as series on the charts.	8.55
	You are able to drag-and-drop for the chart-only views in fluid viewer. You can drag dimensions from facet area and drop to rows to change the X-axes and series. The Column section in fluid viewer lists all the facts for the Pivot Grid model and you can select these facts to change the Y-axis for the chart. However, row and facet dimension cannot be dropped to columns; this means that you cannot add a new fact in the Pivot Grid viewer.	8.55
	Use the Editable Facet field in Pivot Grid Wizard to enable the data source columns as editable facets (prompts) in fluid view. Note that you can enable this option for the columns that are set as Axis or Value in the column type. Columns that are set as Display in the column type cannot be defined as editable facets. Different operators are available for different type of fields. Editable facets are valid only when you view the Pivot Grid models in fluid view. If you view the Pivot Grid models in the classic view, the editable facets are not applied.	8.55
	You are able to sort the data in four areas of the Pivot Grid fluid views: detailed view, facets or filters, charts, or grids, (sorting facts only).	8.55
Portal Technologies	In PeopleTools 8.53, the following data types were added as Pagelet Wizard data sources: -Activity guides - Used to create activity guide pagelets for deployment in WorkCenters. -Free text - Use to present any free-form HTML or text in a pagelet. Select this data type instead of the HTML data type when you want to control all aspects of the HTML code, which will allow you to control use of cascading style sheets (CSS), JavaScript, and embedded media such as Adobe Flash.	8.53
	PeopleTools 8.53 introduces activity guides, which allow application developers to define processes that guide users through a series of predefined actions. Activity guides are often used for infrequent self-service events, such as for on-boarding processes or for benefits enrollment in PeopleSoft HCM. Other uses of activity guides include managing a sequence of configuration or troubleshooting tasks. For example, PeopleTools delivers the Integration Network WorkCenter with an activity guide to guide the setup of Integration Broker. Similarly, several other PeopleSoft applications will deliver activity guides in Release 9.2 or in upcoming revisions.	8.53
	PeopleTools 8.53 improves the way WorkCenters and dashboards can be designed and used together. Application developers and designers can now deploy 'WorkCenter dashboards' within WorkCenters to provide better decision support for WorkCenter transactions. This capability combines some of the features and benefits of dashboards with WorkCenter pages.	8.53
	PeopleTools 8.53 brings related actions to PeopleSoft pivot grids, allowing users to take actions directly on data displayed in a pivot grid. A new configuration page allows for the configuration of related actions for PeopleSoft pivot grids.	8.53



Product(s)	Feature	Version
	In PeopleTools 8.53, improvements make managing and administering related content easier. For example, related services can be configured in groups, which makes it simpler to configure the same services that appear in multiple places.	8.53
	Portal branding allows you to create and maintain branding objects such as HTML, JavaScript, free form style sheets, and images without requiring access to PeopleSoft Application Designer. These objects can then be used in places such as custom layout objects for pagelets and homepage tabs. In addition, portal branding allows you to specify pagelet branding attributes, such as a pagelet icon, whether to display the pagelet title or borders, and so on.	8.53
	In PeopleTools 8.53, a new Personalize option is provided at the component level. This enables each user to set auto-complete options by field, according to their individual preference.	8.53
	Breadcrumbs refer to the collective sequence of items that appear above the content area when you navigate to transaction pages or navigation pages. As of PeopleTools 8.53, the breadcrumbs no longer just show you where pages are registered in the portal menu structure; the breadcrumbs now track your unique path through the PeopleSoft application. As of PeopleTools 8.53, when navigating within a WorkCenter or from a dashboard, the breadcrumbs include the WorkCenter or dashboard link. In addition, the breadcrumbs can also include search text, related actions, and the persistent search icon.	8.53
	By building on the self-service scheduling feature in PeopleTools 8.54, activity guides can now include a batch process as a step. This feature enables activity guides to encompass both transactional and batch processes in a single guided process.	8.54
	the security authorization service can perform authorization checks for application class-based services as well. Data security checks can also be performed for iScript, pagelet, and PeopleSoft query content types, making the implementation of security easier when both basic PeopleTools security and row-level security are required.	8.54
	Related content data migrated as ADS objects between PeopleSoft databases in PeopleTools 8.53 did not allow customers to preserve certain common configuration changes they had applied on the target databases. Now, PeopleTools 8.54 enables customers to preserve these configurations using the compare and copy processes of Data Migration Workbench. This simplifies the process of taking maintenance on related content data.	8.54
	Related actions now provide a mechanism to associate a field change event of a particular field to an existing related action widget. This simplifies configuration. It means developers no longer have to define an application class-based related content service for each action and copy their FieldChange PeopleCode to the application class. This reduces duplication of code and simplifies maintenance.	8.54
	PeopleTools now provides a greatly expanded branding framework that is powerful and flexible, bringing the capability of managing the look and feel to the PeopleSoft application without requiring PeopleSoft Interaction Hub. With PeopleTools 8.54, many common branding activities, including managing content associated with the overall site style, are now performed online rather than requiring the use of Application Designer. In addition, PeopleTools supports component-based branding, providing the ability to apply a consistent appearance when rendering content from multiple providers on the same page.	8.54
	With the Setup Activity Guide WorkCenter that is included in PeopleTools 8.54, the development of activity guide templates and instances becomes easier than it was previously. This WorkCenter provides a complete step-by-step process for creating, configuring, maintaining, and deploying activity guides within a PeopleSoft application.	8.54
	Prior to PeopleTools 8.55, tiles displayed small amounts of live content (order counts, approval request counts, and so on) while serving primarily as a navigation mechanism to the underlying component. For example, with PeopleTools 8.55, interactive content enables users to take actions directly within a tile, giving tiles greater power and versatility (more like traditional PeopleSoft pagelets). For example, users are able to update data directly within a tile on the fluid homepage or dashboard. In addition, embedded related content and related information can also display interactive content. In addition, you can disable the main hotspot for a tile so that users are forced to interact with any elements within the tile itself.	8.55
	PeopleTools 8.55 now provides a framework to deliver guided processes in the PeopleSoft Fluid User Interface. This means that activity guides can be developed and delivered that scale across all supported devices. PeopleTools 8.55 supports multiple activity guide formats including: - Horizontal and vertical presentation of steps. - Sequential processes that must be completed by the user in strict step order as well as non-sequential processes. - Guided activity guides that include Next, Previous, and custom buttons for navigation as well as non-guided processes. - Activity guides with all fluid tasks, all classic tasks, or a combination of both. - Activity guides defined as a single unit of work and activity guides based on the pages of a single component.	8.55
	As of PeopleTools 8.55, the SmartNavigation feature has been deprecated.	8.55
	The Web Profile Configuration - Authorized Site page has been introduced to maintain sites that are authorized to request resources from a specific web server using the Cross-Origin Resource Sharing (CORS) standard.	8.55
	In PeopleTools 8.55, OBIEE integration now includes the ability to select and publish an OBIEE dashboard as a definition within PeopleSoft systems. Once published, an OBIEE dashboard can be selected as a data source for a tile definition using Tile Wizard.	8.55

Product(s)	Feature	Version
	While there are no direct enhancements to navigation collections in PeopleTools 8.55, several other enhancements allow you to present navigation collections in new ways. Specifically, navigation collections can now be accessed through a tile that has been defined to display the navigation collection and links in a fluid activity guide or in the NavBar. Using Tile Wizard, you can select a navigation collection as a data source and then specify one of three display types: Optimized fluid activity guide, non-optimized fluid activity guide, or NavBar.	8.55
	In PeopleTools 8.55, homepage enhancements include: - Fluid homepages, similar to fluid dashboards, allow you to take advantage of tile enhancements introduced in PeopleTools 8.55 such as new tile sizes, interactivity, and so on. - Personalized fluid homepages can be published by administrators as new homepages available to other users. - The PeopleSoft Guest role and the PTPT1400 (PeopleSoft Guest) permission list to assist with creating guest user access and guest user homepages (fluid, classic, or both).	8.55
	In PeopleTools 8.55, the introduction of the OverrideConditionalNav built-in PeopleCode function (which replaces the now deprecated OverrideCNavDisplayMode function) provides greater specificity for ignoring certain attributes or all conditional navigation settings than was possible in PeopleTools 8.54.	8.55
	PeopleTools 8.55 expands on the branding framework introduced in PeopleTools 8.54. Branding enhancements include: - DEFAULT_THEME_FLUID as the default branding theme for PeopleTools 8.55. This fluid theme includes the DEFAULT_THEME_FLUID style sheet and the DEFAULT_HEADER_FLUID header definition for classic homepages and classic pages to replicate the features of the fluid banner displayed on fluid pages. - A macro repository, including the ability to manage macros and macro sets. By changing macro values, you can easily and simultaneously change the colors, logos, and other images used in the fluid banner, the fluid-like header for classic homepages and classic pages, and certain attributes of fluid homepages. Behind the scenes, delivered template style sheets include the macro placeholders that are substituted with the actual macro values to generate the theme style sheets.	8.55
	Building on the popularity of Pagelet Wizard, PeopleTools 8.55 introduces Tile Wizard to facilitate the creation of tiles for display on fluid homepages, fluid dashboards, and in the NavBar. Tile Wizard walks subject matter experts through the tile creation process, prompting them for important information such as the data source, target page, and tile attributes such as size, interactivity, and so on. Tile Wizard supports creating tiles for the following data types: - Application classes - Free text - Navigation collections - OBIEE reports and OBIEE dashboards - Pivot grids	8.55
	All tile definitions are stored in folders within the portal registry referred to as the tile repository. Specifically, the subfolders under Fluid Structure Content > Fluid Pages comprise the tile repository. Tile definitions are created in the tile repository by using Tile Wizard, by registering components there using Application Designer, or by manually setting the fluid attributes of existing content reference definitions.	8.55
	Activity guide templates provide a mechanism to associate a questionnaire that is invoked prior to the generation of an activity guide instance. Finally, action items can be linked to the Approval Workflow Engine (AWE) to enable approvals before subsequent steps are enabled for action.	8.55
	Tiles can be designed to reflect updated content based on actions taken elsewhere in the PeopleSoft system. Using push notifications, when data is updated by a different transaction or process or even in another tile, the change can be reflected in the data shown in a tile configured to receive these notifications. In addition, you can disable the main hotspot for a tile so that users are forced to interact with any hotspots within the tile itself.	8.55
	Tiles can now be presented to users in a greater variety of sizes (up to 8x8) to suit different purposes. Tiles can be set to size themselves automatically depending on the size of the content, the browser size, and the device size and orientation. Tiles are never rendered larger than the device or its orientation. Tiles can also be defined resizable to a specific alternate size that can be used to show more or less detailed information. Tiles can be set for auto-sizing or manual resizing, but not both.	8.55
	With PeopleTools 8.55, tiles can now display external content, not just PeopleSoft content. External content displayed in a tile is always set to be interactive.	8.55
	Prior to PeopleTools 8.55, tiles served as a mechanism for navigation and to display small amounts of live content (order counts, approval request counts, and so on). With PeopleTools 8.55, interactive tiles enable users to take actions directly within the tile, giving tiles greater power and versatility (more like traditional PeopleSoft pagelets). Users are able to interact with data directly within a tile. Interactive tiles that require more screen space may open a modal window to allow user interaction while maintaining the context of the homepage or dashboard.	8.55
	PeopleSoft Related Content Framework can also be used to map application class PeopleCode programs to component and component record events. This allows custom PeopleCode programs to be defined for a component without customizing the component definition in Application Designer.	8.55
	Mobile Application Platform (MAP) applications can be configured with related actions.	8.55
	Fluid pages can now be configured with related content displayed in the right frame or as embedded related content within the page itself. (This is in addition to related actions, which have been allowed on fluid pages since PeopleTools 8.54.)	8.55

Product(s)	Feature	Version
	PeopleTools 8.55 introduces fluid dashboards, the PeopleSoft Fluid User Interface counterpart to classic dashboards. Fluid dashboards can be defined to provide important information for a variety of roles. Similar to other fluid components, fluid dashboards scale gracefully across supported devices. Fluid dashboards, similar to fluid homepages, allow you to take advantage of tile enhancements introduced in PeopleTools 8.55 such as new tile sizes, interactivity, and so on.	8.55
	Related content service filters are deprecated and are retained for backward compatibility only. On related content service definitions, the App Class Required option has been retained for backward compatibility only and should not be selected for new service definitions.	8.55
	PeopleTools provides several features that combined together allow you to display what are referred to as 'fluid navigation collections.' These features allow you to launch navigation collections in a fluid activity guide wrapper. You can choose to represent existing navigation collections consisting entirely of classic content references as well as add fluid content references to new or existing navigation collections. Navigation collections are created and maintained exactly the same way that they always have been. After a navigation collection has been defined, you can determine whether to launch that navigation collection inside a fluid wrapper as a 'fluid navigation collection.'	8.55
	The Tile Publish page can be used to publish additional tiles to users who have already personalized fluid homepages or fluid dashboards.	8.55
	The first level of subfolders under Fluid Structure Content > Fluid Pages comprise the tile repository. This tile repository contains tile definitions as well as definitions for other fluid components used for embedded related content or related information. Definitions are created in the tile repository by registering components there using Application Designer, by using Tile Wizard, or by manually setting the fluid attributes of existing content reference definitions.	8.55
	Tiles can be designed to reflect updated content based on actions taken elsewhere in the PeopleSoft system. Using push notifications, when data is updated by a different transaction or process or even in another tile, the change can be reflected in the data shown in a tile configured to receive these notifications.	8.55
	Tiles can now be presented to users in a greater variety of sizes (from 1 tile unit by 1 tile unit up to 8x8) to suit different purposes. Tiles can be set to size themselves automatically depending on the size of the content, the browser size, and the device size and orientation. However, tiles are never rendered larger than the device or its orientation. Tiles can also be defined as resizable to a specific alternate size that can be used to show more detailed information. Tiles can be set for either auto-sizing or manual resizing, but not both.	8.55
	With PeopleTools 8.55, tiles, embedded related content, and related information can now display external content, not just PeopleSoft content. External content is always set to be interactive.	8.55
Process Scheduler	Starting from PeopleTools 8.53, Additional service operations are available to monitor a process and get a report.	8.53
	Starting from PeopleTools 8.53, the following service operations are available to schedule a request: - PRCS_SCHEDULE_PSQUERY: Schedules PSQuery process. - PRCS_SCHEDULE_CONQUERY: Schedules non unique connected query process. - PRCS_SCHEDULE_BIPUBLISHER: Schedules non unique BI Publisher process. - PRCS_RUNJOBSETNOW: Schedules a JobSet based on the settings as defined in the Scheduled JobSet Definition component.	8.53
	You can now view a list of reports that are posted by different systems connected through the Integration Broker and available in the report repository. You can view the report by clicking the report name link.	8.53
	Beginning with the People Tools 8.53 release, you can use the Reporting Console to import bookmarks from another user and rename any folders in the My Favorites list.	8.53
	You can use the Reporting Console to reorganize content in the My Favorites list, including: - Move the folder to a different folder as child. - Reorder the position of the process bookmark as sibling.- Move process bookmark to another folder as child.	8.53
	PeopleSoft 8.54 supports the distribution or transfer of report files and deleting or purging directories with FTPS and SFTP servers. Report Node Definition now has a new simplified user interface that has a single tab with dropdown to select the different transfer modes.	8.54
	Based on the configuration, users receive alert sliding windows giving the status of the process they execute. This window appears dynamically as a slide-in window at the bottom right in all PeopleSoft pages, which shows the processing status for the configured states. There would also be a final Process Status Window which gives a link using which the generated report for the process can be directly opened from Report Repository.	8.54
	Partition scheduling provides capability for performing parallel processing and also for automation of batch execution of multiple processes. It helps in faster performance by breaking down a process that works on a large data set, to multiple parallel processes that work in tandem on smaller datasets. You can also execute multiple processes that process different data. You can execute a partition process either from the Partition Manager page or by using the Partition Schedule API in PeopleCode. Partition schedules can be configured to read values either from existing prompt tables of the fields chosen as partition fields or by implementing Application Class in PeopleCode which return the set of partition data values.	8.54

Product(s)	Feature	Version
	PeopleTools 8.54 extends the Search Framework for use with the Process Scheduler to search for reports and related data stored in the database, based on a keyword and displays the report containing the specific keyword.	8.54
	Self-service scheduling allows you to execute processes and generate reports using context specific information without breaching the data security. You can execute self-service schedules using API or from any transaction page where the self-service schedule is configured. This schedule then retrieves mapped application data from the transaction page and uses it for the process execution. Additionally, based on the configuration, the user receives alert sliding windows giving the status of the process they execute and a link to the final report.	8.54
	PeopleTools 8.55 enhances the report notification system using the Push Notification framework with the Process Scheduler. Configurations at different levels for different states of scheduled processes allow generation of notifications using the following channels: email, popup notification, and notification window. Configurations for the notifications can be modified at the following levels: - System Level: The configurations at system level are applicable to all processes. At system level, the user can opt to enable or disable notifications on a particular state. - Process Level: The configurations at process level are applicable to a specific process. The user can also opt to send notifications to a single user or to a group. - My Preference page: Configuration in the Pop-up Notification cluster overrides the system level configurations.	8.55
Push Notifications	Push Notification is an event framework that enables PeopleSoft server run time to push data directly to PeopleSoft Pure Internet Architecture browsers. This allows bidirectional full duplex communication between browser clients and server runtime. The feature allows defining individual events or group-related events as collections and provides an API to dispatch events to browser clients. Notification Window uses the push mechanism provided by Push Notification and collates various notifications generated by the system to the window. It categorizes notifications into actions and alerts and allows actions to be performed on the notification items. Approval Workflow Engine (AWE) and Trigger Business Event (TBE) are some of the functional areas that will have their notifications published to the Notification Window.	8.54
	With PeopleTools 8.55, in addition to notifications being sent to the browser, end users may subscribe to events and have notifications directed to their Android or iOS mobile devices. Notifications will appear as native notifications for these devices, when deploying a PeopleSoft application on the mobile devices using the Oracle Mobile Application Framework. Push Notifications will also support dynamic tile updates, when the data changes in real-time.	8.55
Query	PeopleSoft supports integrations with several different reporting tools, such as Crystal, SQR, PS/nVision, Application Engine, and BI Publisher. Reports are typically created by application developers using the corresponding window-client based designer. In most cases, PeopleSoft Query serves as the primary data source for data from a PeopleSoft database. Users can then use Reporting tools can then be used to apply additional formatting (HTML, PDF, XLS, XML, and so on) to the data to create a nicely formatted report.	8.53
	To provide the flexibility to accomplish reporting tasks from PIA, PeopleTools has provided a way of extracting, transforming and distributing data from PIA without the need to access any client tools.	8.53
	In addition to the currently available formats (HTM, PDF, TXT, XLS, XML, and XMLP), PeopleSoft Query now includes a user-defined output format called XFORM, which triggers a transformation (XSLT). You must provide the XSLT to define the desired transformation of the extracted data. Then, to generate the transformed output and distribute the data results, you schedule the query process to run using the Process Scheduler Request page and select XFORM as the output format. If you want to send the transformed output to an external IB node using the Integration Broker framework, you schedule the query process to run using the Process Scheduler Request page, select the IB Node as the output type and XFORM as the output format. The page also features a new Approval Required option that enables you to review and approve the transformed output before distributing it.	8.53
	While defining a component drilling URL, you are able to select an action type to associate with the component. When you run the query, a component drilling URL expands with correct action mode within the URL. For different component actions, the drilling URL will be constructed differently. When you click the component drilling URL from the query results page, it opens the target component with the correct action mode. The available menu actions are Add, Update/Display, Update/Display All, and Correction.	8.53
	You can select and add up to 676 records for each query. The record alias goes from A to Z for record number 1 to record number 26. When you add record number 27 and after, the record alias starts at AA and follows the pattern AB, AC, AD, and so on, ending with ZX, ZY, ZZ.	8.53
	If you have Pure Internet Architecture (PIA) access from a browser and do not have access to any PeopleSoft client tools you have limited options to customize PeopleSoft reports. For example, you are unable to modify existing file layouts (in PeopleSoft Application Designer), use the Crystal Designer, and so on.	8.53
	Currently, PSQuery enables you to create queries that contain a left outer join so that all rows from the record to the left of the operator are kept in the query result set, even when no matching row is found in the record on the right side of the operator. However, you can only add a left outer join to the last record that was added to the query. If a record is no longer the last record in the list and you want to modify its join type from Standard to Left Outer Join, you must first delete the record, and then add it to the query again to make it the last record in the list, and finally add the left outer joint again. Starting with PeopleTools 8.53, this limitation is removed, and you can add a left outer join to any record in a query.	8.53

Product(s)	Feature	Version
	The Enable Auto Preview functionality has been removed from the Query Manager - Query Preferences page.	8.53
	Starting from PeopleTools 8.53, you can run a connected query using C++ based CQRuntime with the OrderBy Runtime option. If you use C++ based CQRuntime with the OrderBy Runtime option, parent and child queries are dynamically altered to include the ORDER BY clause, every SQL statement runs once, and the connected query dramatically cuts the number of SQL statements that are generated at runtime. As a result, processing is faster and consumes fewer server resources.	8.53
	Use the Dependency page to specify whether a record or field can be pruned during the SQL pruning process in Composite Query. This page also enables you to specify the details of a record or field, depending on other records or fields. Also the field dependencies in order to prevent the pruning of a record or field that is required by another field.	8.54
	With PeopleTools 8.54, developers will use the new Composite Query feature (essentially a superset of the previously provided Connected Query) to retrieve multiple levels of related information as a single, flattened query result, allowing for the subsequent aggregation and transformation of the data. In addition, PeopleTools supports a new user for managing composite queries and support for web services via Query Access Service.	8.54
	Query prompts can now have default values, which are specified as constants or by the use of system variables such as %Date, %DateTime, %Time. Prompts can be set as optional.	8.54
	Query supports the use of image fields in the query definition. Setting the Image Fields property under the Query Properties page determines how these field values are displayed in the Query result set. If the image field property is set to Image Data, the image field value (binary image) will be displayed as an embedded image in the result set when you run the query to HTML output format. If you run a query to any other type of format (for example, XML or TXT), a Base64 encoded data string representing the image is displayed instead. When setting the property to Image Hyperlink, a URL will be returned in place of the field value. When accessed, this URL will return the image as an image file in a new browser window.	8.54
	Beginning from PeopleTools 8.54, you are able to use the Image URL link in the Edit Expression Properties page to access the Select a Query page where you can build URLs in the image URL format.	8.54
	PeopleTools has added an Advanced Query Security option to Application Designer. This feature allows up to five Query Security Records to be associated with a single record, including the ability to associate security with non-key fields. While powerful, this feature should be used sparingly because multiple additional joins will affect query performance.	8.54
	PeopleTools 8.54 adds a Find References link, allowing a user to determine if a Query or Connected Query is used as a data source by another component, such as another Connected Query, BI Publisher report, Pivot Grid, Search Definition, or RSS Feed.	8.54
	All Query Access Service (QAS) services are now also available as REST services.	8.54
	PeopleSoft Query supports Microsoft Excel 2007 and higher versions. As a result, you can send more than 64 thousand rows of query output to Microsoft Excel.	8.54
	Report developers may use a REST (Representational State Transfer) drilling URL to allow users to drill down from the query result set, or a report based on the query, into a PeopleSoft defined Rest Web Service URL. This feature and the newly introduced BI Publisher REST Web Service would allow users to drill down from a query, or even a formatted query-based report, directly into another formatted (BIP) report. In general, you are able to drill down from the query results or a formatted query-based report into another query using the Query drilling URL feature. However, if the parent query containing the drilling URL is used as a data source for a formatted report (such as an nVision report, BI Publisher report, or Pivot Grid chart), Oracle PeopleSoft recommends that you use the REST drilling URL feature and the BIP Web Service so that the drilling URLs can drill into a formatted report.	8.55
	In the previous PeopleTools releases, you use the Properties page to view and edit the property settings of the composite query, including the owner ID and comments options. Beginning from PeopleTools 8.55, you can select the Distinct option on this page to eliminate duplicate rows in the composite query result.	8.55
	You use the Composite Query Manager page - Filters section and the Add / Edit Filter page to view, define, and maintain query filters for the selected output fields in the composite queries. Beginning in PeopleTools 8.55, these options are also available from the Condition Type drop-down list: in list and not in list. Beginning in PeopleTools 8.55, these options are also available from the Condition Type drop-down list: in list and not in list.	8.55
	Use the Edit Field Properties page to add or edit the field properties in composite queries, including the unique field names and field headings.	8.55
	The Group By clause in Composite Query Manager page is added automatically when you apply the first aggregate function to the output field. By default, all non-aggregate output fields are included in the initial Group By clause in the same order as in the output field list. You can use the Edit Group By page to edit the order of the Group By fields. You also have the option to exclude the selected fields from the Group By clause.	8.55

Product(s)	Feature	Version
	In the previous PeopleTools releases, you were able to define the aggregate functions for composite query fields using these options: Average, Count, Maximum, Minimum, Sum, and None. Beginning in PeopleTools 8.55, additional option Count Distinct is available for you to define the aggregate functions for composite query fields.	8.55
	Composite Query can expand the aggregate of fields in expressions using the aggregate function that is specified for the selected fields. If a composite query has field F1, field F2, and expression field F1+F2, then Composite Query expands the expression field as SUM(F1) + AVG(F2) when field F1 has aggregate function SUM and field F2 has aggregate function AVG. Instead of users specifying the field names as shown in SQL to satisfy this requirement, Composite Query can parse the expression for the fields using the following syntax: #{.}. To display distinct output results that do not list the same field more than once, add the column number to the previous syntax: #{.}. .	8.55
	Using the Expressions section in the Composite Query Manager page, you are able to: - Add the expressions to the output field list in the Fields section. - Add the expression as a left operand in filter criteria. - Edit the current expression properties. - Delete the expression from the composite query.	8.55
	You use the Edit Expression Properties page to add and modify expressions in the composite queries. Beginning from PeopleTools 8.55, this page include the Add Field link that enables you to access the Select a Field page, where you can select and add a composite query output field or a query field to the composite query expressions.	8.55
	In the Composite Query Manager page, the Fields section displays the output fields of the composite query when you first access this page. You can use the Fields section to view, define, and maintain the output fields that are selected for the output column results. Initially, the headings of the fields use the field headings from the base query. If the field is an expression created within the composite query, then this column displays the heading of the expression. You can use the Edit Field option from the Action icon to edit the headings and field properties.	8.55
	You can define drilling URLs for composite queries using Composite Query Manager. Depending on the drilling URL type you select, different pages and fields are available for you to build drilling URLs for the composite queries. The available drilling URL types are Query URL, Component URL, External URL. If the output field of the base query is a drilling URL field or is mapped to the drilling URLs and you add this drilling URL field to the composite query output field list, then you must add all query fields that are used to build the drilling URLs to the composite query output field list. If the base query includes the drilling URL fields, only the drilling URL fields that have the drilling URL type set to Query, Component, or External are listed in the Select Output Fields page.	8.55
	You use the Select Output Fields page to select the output fields for the composite query. This page displays all fields that are available from the base queries that you selected. Beginning from PeopleTools 8.55, this page has options that enable you to select all fields or clear all fields while building the composite queries. In addition, you can also use the Menu icon in the Composite Query Manager page to:- Remove the corresponding query and all of its fields from the output field list.- Add all fields of the corresponding query to the output field list.- Remove all fields of the corresponding query from the output field list.	8.55
	In the previous PeopleTools releases, you were able to define the aggregate functions for query fields using these options: Average, Count, Maximum, Minimum, Sum, and None. Beginning from PeopleTools 8.55, additional option Count Distinct is available for you to define the aggregate functions for query fields.	8.55
Reporting Web Services	QAS utilizes the PeopleSoft Integration Broker framework to implement two new synchronized composite query operations. Composite query functionality is accessed through SOAP request and response messages. All QAS operations have request and response message schemas defined. Users can acquire message schema by inspecting WSDL.	8.54
	The RESTful services use the same service handler classes that are used by the SOAP-based versions. Conditional logic added to the handler classes will determine, based on the incoming Request message name, which service has been invoked and will respond appropriately. The Response message is identical (XML File) regardless of whether a SOAP or REST request was made, and so the construction of response message remains the same for either Request type. The Response message will even utilize the same response message definition and schema. The differences mainly center on how the request message is parsed for input parameters. In the case of RESTful request, the parameters are part of the RESTful request URL.	8.54
	PeopleTools 8.55 introduces the ability for QAS REST Services to return a JSON-formatted response, rather than the standard XML response.	8.55
SQR	PeopleTools 8.53 provides a Tagged PDF report feature that enables you to use a set of delivered SQR commands to tag specific document elements, and then generate and print tagged PDF reports. Accessibility Checkers available in market can be used to check the tagged PDF report.	8.53
	With PeopleTools 8.54, SQR will create XML output files when XML output file format is specified while scheduling the job from 'System Process Requests' page.	8.54
	Starting with PeopleTools 8.54, users in different geographical region can generate personalized SQR reports specific to the region.	8.54

Product(s)	Feature	Version
	SQR allows you to print PDF reports that have rich text content stored in tables from 'long edit' boxes in PIA pages. Customers can print rich text formatted content without fear of losing the format with qualifier 'CODE-PRINTER=HT' with print command.	8.54
	PeopleTools 8.55 enhances SQR to support Transparent Application Failover (TAF). TAF is a feature supported by Oracle Call Interface driver (OCI). SQR reports which are mostly read-only can take advantage of the TAF configuration. This enables the SQR reports to use failover and connect to the next available DB node to re-execute SQL queries automatically when there is a node failure.	8.55
Search	PeopleTools has worked to decrease response times and optimize query execution by running parallel requests. A number of enhancements were made to PeopleTools and SES to improve performance of crawling as well as making end-user search response quicker.	8.53
	With PeopleTools 8.53, for search results with related actions the system displays a related actions icon next to the search result for easy identification. For search results that do not have related actions, no related action icon appears. Once you have identified a search result with related actions, to view the related actions associated with a search result, you roll the mouse over a search result, and the system displays a pop-up menu containing links to the associated related actions. Performance was also improved for processing search results with related actions. The system now retrieves and displays the search results first, and then a background Ajax request retrieves any related actions for the current search results.	8.53
	PeopleTools 8.53 contains support for more search operators, enabling end users to sort search results in more meaningful ways. For example, these search operators are now supported: Contains Any, Contains All, In, Not In, Begins With, and Between.	8.53
	You now have control over how the system deals with duplicate search results. You can suppress duplicates, allow duplicates, or use PeopleCode to handle duplicates according to your business rules. You set the duplicate processing behavior at the search category level on the General tab in the search category definition.	8.53
	PeopleTools 8.53 enables administrators to gain greater access to various monitoring and diagnostic information, which can aid in configuration, implementation, and troubleshooting tasks. Enhancements include improved access to the crawling process status, a better means of confirming the validity of search definitions, and more options for confirming the integration between your PeopleSoft system and Oracle SES.	8.53
	The PeopleSoft Search Framework now supports the use of multiple FTP servers for storing attachments. As long as the FTP server is defined as a URL definition in PeopleTools Utilities, URL Maintenance page, you can identify those stored URL definitions for use with your search implementation when search results contain links to attachments stored on the FTP Server.	8.53
	PeopleSoft applications can now share a single Oracle SES instance with fewer configuration steps. In PeopleTools 8.52, to share an Oracle SES instance among multiple PeopleSoft applications, such as HCM and FSCM, all products sharing the SES instance had to synchronize users and roles between the PeopleSoft databases. In PeopleTools 8.53, it is not necessary to synchronize users and roles among the applications sharing a single SES instance.	8.53
	In PeopleTools 8.52, search definitions could only be created that were based on PeopleSoft Query or PeopleSoft Connected Query. In PeopleTools 8.53, both file sources and web sources are supported.	8.53
	PeopleTools 8.54 extends the Search Framework for use with the PeopleSoft Fluid User Interface, providing a rich search experience that is optimized for small form factor devices, such as tablets and Smartphones, as well as larger monitors	8.54
	Indexes built from file and web sources can now be included in the Global Search results by selecting the All category	8.54
	Content in the report repository can now be indexed and searched.	8.54
	Images can now appear in search results.	8.54
	Facets can now be based on numerical and date ranges, allowing more ways for users to sift through search results	8.54
	PeopleSoft's Global Search feature now supports the inclusion of report contents in the preparation of global search indexes. This ability allows users to search for keywords in the PeopleSoft database and for the search to return results based on report content in the Report Repository rather than just the PeopleSoft transactional database. Note that if you are in a fluid-compatible browser and fluid is enabled, the end users in classic mode will see the fluid global search page as opposed to the classic global search page.	8.54
	The Search Framework now extends Global Search behavior to Component Search for fluid applications. With PeopleTools 8.54, Component Search pages will leverage Pivot Grid functionality, presenting search results in both visual charts and columnar lists. Pivot Grids' ability to drill from charts as well as incorporate rich facet and filter functions greatly improves the experience of analyzing and identifying target information. Related actions are also available across all types of search results. These enhancements are incorporated in fluid pages. Search results and interactivity in component search are optimized when viewed from a Smartphone to improve productivity and ease of use. Classic PIA pages continue to use the component search features of previous releases.	8.54
	PeopleTools Search Framework, starting with PeopleTools 8.55.11, adds support for a new search engine - Elasticsearch 2.3.2.	8.55

Product(s)	Feature	Version
	When end users search for content, the listing of SES search results is based on the score of a match. A match with the highest score is displayed at the top of the search-results list. In PeopleTools 8.55, application developers can programmatically boost the score of a result so that the most relevant results are displayed to an end user.	8.55
	In PeopleTools 8.55, in the fluid user interface, the Back button functionality has been enhanced such that on the search results page, when you drill into results and navigate away from the search results page, you can click the Back button to return to the search results page. However, on a classic search page, the Back button does not reference the search results page. In PeopleTools 8.55, the Back button is the default delivered mechanism for back navigation. Breadcrumbs are not available as a means of navigation, but if users need breadcrumbs, they have to revert to breadcrumbs, which is a global setting. Note: Using the back button on a browser or using the back button on an android device can corrupt the Back button functionality in PeopleTools.	8.55
	In PeopleTools 8.55, the following improvements are provided: - Ability to copy or clone a search definition or search category. - Ability to log SES request and response for a particular user. - Ability to log SES query performance metrics for a particular user.	8.55
	PeopleTools 8.55 allows overriding search namespace that enables a cloned environment to use the deployed indices from the original environment. The Namespace Alias Settings page allows users to map the database name, node name and URI of the cloned environment to the original environment thus enabling a quick deployment of the indices.	8.55
	The Search Developer activity guide facilitates the processes of adding and modifying search definitions, adding and modifying search categories, and viewing search attributes.	8.55
	The Search Administrator activity guide provides guidance on three main areas: 1.Configuration: This covers setting up the search appliance including node setup, Integration Broker setup and so on. 2. Administration: This covers deploying and deleting search definitions and categories, scheduling search definitions, defining and viewing search contexts, adding or modifying permission lists for search groups, and more. 3. Testing: This provides a Search test page for evaluating results, diagnostics for round trip tests, and downloading search data.	8.55
	PeopleTools 8.55 allows overriding search namespace which is handy when you need to clone environments or when the middle-tier components of an environment change and do not want to re-index data. The namespace aliasing feature enables a cloned or modified environment to re-use the indices deployed from the original environment. The use of the Namespace Alias Settings page allows users to map the database name, node name and URI of a new environment to the original indexed environment and thereby avoid the need to re-index data. Note: The custom namespace feature is supported for SES; the feature is not available for the Elasticsearch search engine in PeopleTools 8.55.	8.55
	Global Search and Component Search now provide an improved results page that enables users to drill in to search items and return to the search result set. This enables users to explore among many items in a search result set. When users drill into a search result, the detail is shown in the transaction page. This new two-panel Search page makes it easier to use on small form factor devices. The results panel slides off when an item is chosen displaying the transaction page. The results page can then slide back enabling users to choose other items in the list. In Component Search, both master-detail and keyword, search criteria can be pre-defined, which enables users to view the search results on launching the component. For easy access of component search, tiles for the required components can be created on the homepage. These features make searching a more effective means of exploration and navigation. Note: In PeopleTools 8.55, persistent search is not available in Global Search.	8.55
	Oracle Secure Enterprise Search will be supported for eighteen months, until April 30, 2018, after Elasticsearch is delivered in PeopleTools 8.55.11.	8.55
	An Elasticsearch cluster can contain multiple nodes. Each node can store index documents to its capacity, and by using the Elasticsearch bulk indexing option, heavy volume indexing is possible with a better throughput. Search performance with Elasticsearch is faster due to the way Elasticsearch distributes the data and performs parallel querying from multiple shards.	8.55
	PeopleSoft Search Framework provides another fail-over mechanism from PeopleSoft by using the ability to set up multiple search instances for the Elasticsearch search engine and prioritizing the search instances.	8.55
	PeopleSoft Search Framework provides a fail-over mechanism as part of the High Availability feature. Elasticsearch search engine is distributed by nature, that is, it knows how to manage multiple nodes. A cluster can contain one or more nodes and one of the nodes act as a master node. Elasticsearch automatically distributes the indexed data to the nodes based on its constructs of primary shards and replica shards, so indexed data is available even when a node fails.	8.55
	Elasticsearch is typically deployed as a cluster of nodes to provide a scalable search service, which is continuously operational. PeopleSoft Search Framework integrates with Elasticsearch to allow for high availability, failover, and scalable search deployments for PeopleSoft users.	8.55



Product(s)	Feature	Version
	Elasticsearch is delivered in a deployment package (DPK) which includes a specific version of Elasticsearch and the required Java runtime engine and PeopleSoft-developed Elasticsearch plug-ins for security and attachment processing. When deployed, the Elasticsearch DPK automatically installs Oracle JRE and Elasticsearch and PeopleSoft plug-ins and configures the cluster, node, and administrator and proxy users. The delivered ACM plug-ins can be used to create the necessary search instance for the Elasticsearch cluster.	8.55
Security Administration	PeopleTools 8.53 will lay the foundation for a Secure by Default installation, so that products install, out of the box, into a secure state. Historically, PeopleSoft has delivered a number of default user IDs and passwords, which could become well known and present a compromise if they were not changed or removed in production. In PeopleTools 8.53, we will deliver all configuration-related user IDs with a password that must be set during installation. For delivered sample user profiles, new database setup options will be included to disable all these profiles and/or to assign them a site-specific password of choice. This feature will prompt the installer for site-specific passwords for delivered user accounts during the install process.	8.53
	PeopleSoft uses an SHA-1 hash for passwords that are stored in the database. PeopleTools 8.53 will incorporate SALT technology to increase the complexity of the hash. This methodology reduces the possibility of using tables of pre-computed values to determine the original password, and provides additional mitigation for brute force and denial-of-service attempts.	8.53
	PeopleTools has extended the Security Authorization Service functionality to configure row-level security to multiple content types. In PeopleTools 8.54, row-level security is extended to iScript, PeopleSoft Query, application classes and pagelets that were previously restricted to component and content references only. To authorize services, you can associate a security application class to multiple content types on a single page. This will ease the maintenance and audit activities to configure authorizations when you are reusing a security application class.	8.54
	The PeopleTools security framework includes a new External Digital Certificates page to support a BI Publisher for PeopleSoft enhancement for creating digital signatures for PDF report output. The digital signature verifies the signer's identity and ensures that the report output has not been altered. Digital signatures can be attached to all PDF output and is enabled for both PDF and RTF templates.	8.54
	In line with an overall Oracle Secure Configuration Initiative, PeopleTools 8.54 continues to expand on its Secure by Default installation. Secure by Default is an approach to ensure that the application configuration settings adhere to system hardening recommendations. This section describes enhancements delivered this release.	8.54
	Previous releases of the Security Administration documentation described how to implement Kerberos as a desktop single-signon solution. The information described was a proof of concept, and the solution is not a supported or certified implementation.	8.54
	The LDAP section of the psappsrv.cfg file has been modified to include several parameters to configure the connection between the PeopleSoft application server and an LDAP directory server.	8.54
	For every PIA sign on attempt, there will be two rows: information about the last successful login, including timestamp and authentication type information about the last failed attempt, including timestamp, failed logic count and authentication type. The information is logged in and can be queried from the PSPTLOGINAUDIT table. Enhanced login audits are enabled in the application server configuration file.	8.54
	Like two-tier Definition Security, PIA-based Definition Security enables you to create, copy, and delete definition groups, as well as grant permission list access to definition groups. However, PIA-based Definition Security provides additional functionality that is not available in the two-tier application.	8.54
	PeopleTools has been delivering a two-tier Definition Security application for securing PeopleTools managed objects, such as components, menus, pages, records, fields, and so on. Beginning this release PeopleTools is also delivering this functionality in the PeopleSoft Pure Internet Architecture.	8.54
	PeopleSoft has discontinued support for SSL (Secure Socket Layer) protocol, including SSL V1, SSL V2, and SSL V3. Customers should adopt the TLS (Transport Layer Security) protocol as a replacement. The term 'SSL' remains an industry-standard generic reference for SSL and TLS-protected communication like HTTPS. Unless noted otherwise, references in PeopleBooks to SSL should be interpreted as TLS.	8.55
	Among other potential uses, the Event Mapping page of the PeopleSoft Related Content Framework can be used to configure application class PeopleCode delivered with your PeopleSoft application to perform security validation including authorizations performed by third-party validation services. See the documentation provided with your PeopleSoft application for specific information on any application class PeopleCode delivered for this purpose.	8.55

Product(s)	Feature	Version
	In this release the My Preferences framework has replaced the My Personalization framework. The My Preferences framework provides a WorkCenter-like interface for end-users to view and configure system-level preference items, such as time format, date format, default dictionary language, and so on. Developers can also create custom preference items. End users now set system-level PeopleTools preferences using the Fluid-based My Preferences page. PeopleTools continues to deliver General Settings preference item that features a set of default preferences. The My Preferences page displays preference items from all systems in the same cluster and allows users to change settings in those systems from within the same My Preferences page. The system automatically synchronizes changes made to the General Settings preferences to all systems in the cluster. PeopleTools delivers a My Preferences Fluid User Interface Tile that can be added to homepages.	8.55
	PeopleSoft will continue to uptake the latest OpenSSL patches. Refer to the certification database on the Certifications tab on My Oracle Support for the current and most comprehensive support information.	8.55
	Beginning this release PeopleTools supports SHA-256 hash with salt algorithm and 4096 key size. When generating private keys for application server-based digital certificates, by default PeopleTools uses the SHA-256 with RSA encryption algorithm and the 4096 key size. When using PSKeyManager to generate private keys for web server-based digital certificates, the default signing algorithm is SHA-256 with RSA encryption. In addition, the PSOPRDEFN table features a new column for SHA-2 hashed passwords.	8.55
	The maximum length for the database access ID password and for the connect ID password has been extended to 32 characters. The PSACCESSPRFL table has been replaced by the PSACCESSPROFILE table to accommodate the longer passwords.	8.55
	When a user attempts to generate a new system password using the Forgot My Password page, he or she must enter a user ID and answer a security question. In the interest of security, the system does not provide feedback if a correct user ID is entered or if the correct response is entered to the password question. The system displays a message indicating that a new password has been sent to the user's email address and also provides several steps to take if a new password isn't received.	8.55
	PeopleTools delivers the updated default values for passwords on the Control Passwords page . When you perform a standard database installation the default values are set. The default values are not automatically set during an upgrade.	8.55
	In line with an overall Oracle Secure Configuration Initiative, PeopleTools 8.55 continues to expand on its Secure by Default installation. Secure by Default is an approach to ensure that the application configuration settings adhere to system hardening recommendations.	8.55
	Currently, Link Level Encryption (LLE) is the default encryption for Java server listener (JSL) connections to the WebLogic Java container to the Tuxedo application server. LLE is being deprecated. While LLE is still supported, you should upgrade to SSL.	8.55
	Unregistered content is web content which is referenced from a PeopleSoft system, but is not listed in the portal registry or that originates from a registered portal node. By registering the content that interacts with your PeopleSoft application, you can prevent your resources from being redirected to unknown and potentially malicious sites.	8.55
System and Server Administration	PeopleTools 8.53 extends this approach to customizations by introducing PS_CUST_HOME (Customization Home). The PS_CUST_HOME can store any customer-specific code or files. This creates a clear distinction between code and files delivered by Oracle (PeopleTools and PeopleSoft applications) and code produced or customized by individual customers. Future PeopleSoft application releases intend to increase usage of both PS_APP_HOME and PS_CUST_HOME.	8.53
	PeopleSoft Plug-in for Oracle Enterprise Manager: Key enhancements in this feature are: -Improved user interface. The PeopleSoft System is now Stencil-based, which extends a better user-interface experience to customers. -Adoption of new EM 12c frameworks. -Improved user interface. The PeopleSoft System is now Stencil-based, which extends a better user-interface experience to customers. -Additional metric collection options are provided for Process Monitor, Process Scheduler and web site targets. -Enterprise Manager for PeopleSoft does not support zLinux platform.	8.53
	Enabling Remote Call tracing is now controlled by a single variable setting, RCCBL Redirect, which you set in the server configuration file or PSADMIN for an application server or Process Scheduler server. The RCCBL Redirect parameter will now control both the writing of the rmtcall_in., rmtcall_out. and rmtcall_cblmsg. files in addition to the generation of the Remote Call tracing entries in the COBOL output files. This helps to streamline both information gathering and analysis.	8.53
	With PeopleTools 8.53, the timestamp format of the application server process log files, such as APPSRV log, has changed. The time stamp now appears in this format:YYYY-MM-DDTHH-MM-SS-sss Where YYYY = year, MM = month, DD = day, HH = hour, MM = minute,SS = seconds, and sss = milliseconds.For example:You can also select how you prefer to separate the trace fields in the log files using the [Domain Settings] LogFieldSeparator parameter.	8.53
	PeopleTools 8.53 provides these new tracing and logging options: -Server process log enhancements.-Remote Call tracing enhancements.	8.53
	With PeopleTools 8.53, the SMTP processing has been enhanced to support JavaMail 1.4.4, which provides support for Simple Authentication and Security Layer (SASL) and NT LAN Manager (NTLM) authentication mechanisms.	8.53

Product(s)	Feature	Version
	For PeopleTools 8.53, these enhancements have been added for managing your file attachment processing configuration: storing SSH keys in the database and securing private key.	8.53
	Beginning with PeopleTools 8.53, PeopleTools will use new DB2 data types to represent long field types for DB2 z/OS and DB2 LUW. The long data types used for character fields now include VARCHAR and CLOB for EBCDIC/ANSI databases, and VARGRAPHIC and DBCLOB for Unicode databases. PeopleTools now uses BLOBs to represent image and attachment fields.	8.53
	The Oracle Database File System (DBFS), included with Oracle Database 11g Enterprise Edition, creates a standard file system interface on top of files and directories that are stored in database tables. DBFS is similar to NFS in that it provides a shared network file system that looks like a local file system. Like NFS, there is a server component and a client component.	8.53
	PeopleSoft Plug-in for Oracle Enterprise Manager: The Application Management Pack for PeopleSoft (PeopleSoft Environment Management plug-in) is being updated to support Oracle Enterprise Manager 12c., which is the minimum required for PeopleTools 8.53.	8.53
	A PeopleSoft Oracle Virtual Machine Template (OVM template) is a pre-packaged, ready-to-run PeopleSoft environment. PeopleSoft OVM templates replace the time and effort required to perform a traditional PeopleSoft environment installation, which typically involves installing the operating system, installing all of the infrastructure components, such as databases, Oracle Tuxedo, web server, software applications, and then configuring the environment. With PeopleSoft OVM templates, all third-party products required by a basic PeopleSoft deployment are contained within the template distribution. PeopleSoft OVM templates provide minimal networking details and, as a result, a fully-functional PeopleSoft demo environment can be started in less than an hour. PeopleSoft will release production class templates for use on Exalogic-based machines and non-Exalogic-x86 machines.	8.53
	With PeopleTools 8.53, Oracle expands the query offload capabilities with ADG and GoldenGate even further. PeopleTools 8.53 adds out-of-the-box support for ADG and GoldenGate to offload PS/nVision functionality, including: - PS/nVision reports. - PS/nVision report drill downs. - PS/nVision report books.	8.53
	PeopleTools 8.54 enables potentially significant CPU savings by using materialized views for the Oracle database. Application Designer will have the ability to declare and define materialized views (including the data refresh period) for use within PeopleSoft applications.	8.54
	Push Notification was first delivered in PeopleTools 8.54. It provided the ability for an end user to subscribe to events that occur on the server, and receive real time notifications in the browser when those events happen on the server. This was achieved via the Tuxedo Event Broker passing events from the application server to the PeopleSoft web server, where WebSockets then delivered the notification of the event to the end user's browser.	8.54
	The Percentage Memory Growth parameter has been removed for PeopleTools 8.54 and replaced with a new approach to recycling server processes. Enter a memory threshold for recyclable server processes running within the domain. When the server processes exceed the limit, the system restarts, or recycles, them. This setting applies to all recyclable server processes within the domain.	8.54
	Several new settings are available in PSADMIN that enable the system to monitor and adjust automatically a domain's cache while it runs, requiring no intervention from system administrators, and without requiring the domain or a server process to be restarted.	8.54
	With PeopleTools 8.54, PeopleTools will no longer support descending indexes on the Oracle database platform.	8.54
	With PeopleTools 8.54, Oracle database customers are able to configure partitioning of PeopleSoft tables as well as indexes. These configurations no longer need to be done outside of PeopleSoft. To establish partitioning definitions, a new Partitioning page is provided in PeopleSoft Internet Architecture. On this page you can review delivered PeopleSoft partition definitions, or specify table and index partitioning parameters, generate the partitioning DDL and save the DDL to the PeopleTools metadata tables.	8.54
	The installlocation value, which in previous releases identifies the PS_HOME variable, has been removed in PeopleTools 8.54 for the copy of the peopletools.properties file written to PS_HOME during installation. However, the installlocation key will continue to appear in the peopletools.properties file that resides in PS_CFG_HOME. The system generates the value when creating the PS_CFG_HOME.	8.54
	Sourcing this script will continue to be necessary prior to using any PeopleTools functionality on UNIX. However, this file will no longer contain a hardcoded path to PS_HOME, which means that the script will derive the location of PS_HOME from the context in which it runs. As such, it is required that the current working directory is PS_HOME prior to sourcing psconfig.sh.	8.54
	The symbolic link from PS_HOME/appserv/psadmin to PS_HOME/bin/psadmin will no longer be created at install. Any existing custom scripts in your implementation that invoke PS_HOME/appserv/psadmin will need to be changed to invoke PS_HOME/bin/psadmin or invoke psconfig.sh prior to invoking PSADMIN without a fully qualified path name.	8.54

Product(s)	Feature	Version
	With PeopleTools 8.54, the latest enhancement involving PS_HOME, Portable PS_HOME, will provide an easier way to use a private cloud configuration where multiple application installations use the same PeopleTools install. Hard-coded paths and symbolic links are removed, which will allow the install of PeopleTools to be more easily copied to other servers. UNIX file servers can create a mount point to use the installation with any number of environments. With a single PeopleTools install being used with multiple application installs, procuring an environment becomes faster and cheaper. In addition, when it is time to apply maintenance, it is quickly performed in one place instead of in each separate environment, thus lowering the total cost of ownership.	8.54
	Multitenant Database is a new feature included in Oracle database 12c that provides the ability to move previously autonomous databases (such as PeopleSoft application databases) into a single container database instance. Each database that is plugged into a container still appears to be unique however, several advantages are gained.	8.54
	With PeopleTools 8.55, the Push Notification feature is being extended. In addition to notifications being sent to the browser, end users may subscribe to events and have notifications directed to their Android or iOS mobile devices. Notifications will show up as native notifications for these devices. Additionally, monitoring support is improved with enhanced diagnostics using JMX clients. Push Notifications will also support dynamic tile updates, when the data changes in real time.	8.55
	Support for Materialized Views was first provided on the Oracle database platform in PeopleTools 8.54. In PeopleTools 8.55 we are extending the scope of Materialized Views to include the Microsoft SQL Server and IBM DB2 z/OS database platforms. Additionally, PeopleTools 8.55 will provide the ability to create indexes on materialized views for Oracle, SQL Server, and DB2 z/OS databases.	8.55
	Materialized views take the results of complex SELECT statements and save the datasets to disk. The results are then readily available without the need to execute the SQL each time. The SELECT statements typically defining materialized views often contain sizable tables, complex joins and summary functions that may take some time and compute resources to complete. By running the SQL once and saving the results to be used and re-used, a significant savings of CPU and memory consumption can be achieved. Materialized views provide significant improvements in performance when used in Pivot Grids that don't use data-sets that are updated frequently. The data is refreshed on a time frame defined in the materialized view.	8.55
	In PeopleTools 8.55, SQL Access Manager (SAM) has been enhanced to support WITH and MERGE statements, which are powerful SQL constructs that allow users to combine multiple DML queries into a single query thus improving performance significantly. SAM supports these statements for the Oracle, MSS, DB2LUW, and DB2 zOS platforms, however, the use of the WITH and MERGE statements are dependent on the support by each platform. Application developers should write and verify their platform specific WITH and MERGE statements before sending to SAM for execution.	8.55
	Oracle Policy Automation is an application that focuses on modeling, automating, and optimizing the implementation of policy, legislation, and complex business rules. In PeopleTools 8.55, PeopleSoft is integrated with Oracle Policy Automation to leverage the following benefits: - Enable business analysts to author rules in Oracle Policy Modeling (OPM) using natural language sentences written either in MS Word or MS Excel.- Enable business analysts to build and process complex rules on Oracle Determinations Server outside of PeopleSoft components.	8.55
	In PeopleTools 8.55, PSAdmin has been enhanced to minimize the down time associated with the application of maintenance and reduce the chance of a misconfigured PeopleTools environment.	8.55
	Prior to PeopleTools 8.55, for debugging issues that span both the application and web servers, log files were correlated based on the common field - timestamp. Additionally, the timestamp could vary between servers if the time is not synchronized, which made the debugging activity difficult and error prone. In PeopleTools 8.55, new fields are added to the application and web server domain logs that help easily correlate log entries on the middle tiers. These new fields also help easily identify transactions as well as user information so that debugging issues will be significantly easier.	8.55
Test Framework	A PTF Administrator or Editor can rename a test; however the test name must be unique to the database instance. A PTF User can only rename tests within the myFolder folder.	8.53
	A new step type was added called MsgBox. The MsgBox step can be used to insert manual steps in your test for steps that cannot be automated in PTF. For example, if your test includes a step to drag and drop on a page, you will not be able to automate the drag and drop feature. By using the MsgBox step, the message will be displayed allowing the user to perform the action manually, once the user dismisses the message box PTF execution will continue.	8.53
	Log Manager has been redesigned for ease of use and flexibility.	8.53
	A download action has been added to the File step.	8.53
	A Log Export tab has been added to execution options which allow you to archive the result logs to a file system in XML + XSL format at the end of each test execution. This option provides the following: - Log is accessible from any browser. - PTF client is not required to verify test results. - Logs will be available even after the environment or database is brought down or upgraded. -Since the log is in XML format, you can write customized utilities to parse or interpret the logs as needed.	8.53

Product(s)	Feature	Version
	Variable assignments, comparisons, and functions may use special characters (such as the equals sign, parentheses, and so forth) to manage text string operations. Quotes are necessary in these situations to help PTF distinguish strings that contain these characters from the actual operators themselves. Quotes will be used for strings inside PTF functions, conditionals and on-line variable sets (value is set in the recognition column). For any tests existing, the quotes will be added automatically when the test is opened in PeopleTools 8.53.	8.53
	Based on the item or items selected in the tree view, when you right-click a list of valid actions is displayed. The tree view supports multiple selections.	8.53
	In the PTF Editor, the user can click in the recognition field of a step action and a dialog box with the parameters for the step action is displayed. The user can enter and update the parameter values.	8.53
	The Check Syntax option allows a user to validate the parameters provided in their steps either on save or on demand prior to execution. A Check Syntax icon has been added to the Test Editor Toolbar. Use this option to check syntax on demand. Auto-Syntax Check edit box has been added to Local Options in the PTF Client. If set to Yes, you will be prompted to check syntax every time you save a test.	8.53
	In the PTF Editor, the user can click in the recognition field of a step action and a dialog box with the parameters for the step action is displayed. The user can enter and update the parameter values.	8.53
	The following enhancements have been made for reporting: - Ability to select more than one and less than all tests for all reports. - Test Details Report has been streamlined.	8.53
	A new step type was added called Command. The command step has one associated action Exec. The step is used to call any command line program within a PTF test. Command line programs must first be registered to PTF, so control over the use is managed by an administrator. This feature is virtually unlimited in its flexibility to extend the breadth of automation coverage supported by PTF. A test administrator might use it for anything from automatically comparing output results to sending notification messages.	8.53
	In the PTF Client Tools menu, a new Mass Update option is available. This feature enables bulk updates of specific tests attributes, across multiple tests. For example, suppose in a new release, a component name has changed, and every test you have that references that component must now be modified in order to execute successfully. Using the Mass Update tool, you retrieve the impacted tests, search for steps that include that component and replace the previous component name with the new name. When you use the mass update tool, you define and apply a filter to retrieve tests that match specific criteria, returning the results in a grid format similar to the Test editor, but including steps for multiple tests. The grid includes two additional columns: Folder, and Test, so you can identify which test the steps are from. Once the grid is populated, you can use a find/replace dialog box to search for specific test step field values, modify the steps, and save your changes.	8.54
	Reporting enhancements include the following items: - When generating PTF PIA reports, you can specify a PTF parent folder as part of the report criteria, which enables you to produce reports by folder for most reports. - A new Test Matrix report, which provides information about the hierarchical relationships for a given test, listing its top level parent test, and all child tests.	8.54
	Changes to PeopleSoft Test Framework include many usability enhancements for creating, administering, recording, and executing tests.	8.54
	You can create and apply filters to the PTF Explorer tree, to view subsets of test assets based on specific criteria. This enables you to view only tests with certain characteristics, or that belong to certain categories, such as: tests with similar names; tests belonging to the same parent folder; tests last updated by the same user; tests resulting from the same Test Maintenance Report run, and so on. When the filter is applied, if a folder does not contain any tests that meet the filter criteria, then that folder is hidden.	8.54
	A new Project menu is available in the PTF Client, which enables you to inspect and maintain the test contents of an Application Designer project	8.54
	Support for custom sign in pages. In prior releases, PTF was limited to using the delivered PeopleSoft sign in page when using Browser. Start or Browser.Start_Login steps. For customers that used custom pages with SSO, IT shops would have to create dedicated instances for their PeopleSoft tests. This gives more power to the tester, and system administrators won't have to manage as many environments.	8.55
	PeopleSoft Test Framework has expanded browser support for test playback. In addition to Microsoft Internet Explorer, you can also execute tests using Google Chrome, Mozilla Firefox, and Microsoft Edge. Note. Test recording is limited to Internet Explorer. The playback browser is specified in the Execution Options page.	8.55
	New enhancements to PTF administration tools. Several enhancements to the Mass Update utility, to improve search, select, and find/replace, including: - Select All and Clear All buttons added to the Find dialog. - Added the Parameter field to the Step search criteria. - Find Up and Find Down options added to the Find window. - The unattended execution log now includes detailed step information for failed steps. - A new test upgrade utility is provided for the PTF client, to update tests when upgrading from a previous version.	8.55

Product(s)	Feature	Version
	Added Exists and GetProperty actions for DIV object types. This is important when testing Fluid User Interface pages. Provided a new DateTime step type to support date, datetime, and time fields. You can now use a hotkey (F4) to access the step builder dialog box when working in the test editor, which provides context sensitive help for completing test step parameters. Added an Expected parameter to these step actions: Scroll.Find, HTMLTable.CellGetIndex. Added ValueExists parameter to the ComboBox step action. File.Upload now supports uploading a file from a link.	8.55
	New Usage Monitor step to start and stop the Usage Monitor so test developers don't have to manually record the steps as part of the test. You can test color, font size, and other format-related properties of HTML objects using the new Get_Style action. For example, it is now possible to execute a test and report if a certain field has a bold font or not.	8.55
	The Message Tools window can be moved and resized. You have the option to preserve test case step values when you copy and paste steps within the same or different test case. If you attempt to delete a test case that is referenced by another test, a warning message appears. You can run a test case from the PTF Explorer view by right-clicking the test and selecting execute. New actions and parameters for the Browser step enable toggling between multiple open browser windows, checking if a frame exists, closing all open browser windows, and an option to suppress maximization and keep the existing browser size (needed for form factor testing) when opening a new browser window.	8.55
Tree Manager	Starting from PeopleTools 8.53, in addition to the Print Format link, you are able to use the Export to PDF link in the Tree Manager page or the Query Access Manager page to export tree (either part of the tree or the whole tree) to a PDF file. You can save the exported PDF file in the file system, send it to Report Manager, or send it to a printer. While exporting a tree to a PDF file, you are able to select to export a tree with or without branches expanded, detail values, detail descriptions, and level information. Printing a tree can be automatically or manually after exporting a tree to a PDF file.	8.53
	Starting from release 8.54, using the Tree Manager page, you are able to cut multiple tree nodes or tree leaves using the Cut icon, and then you use the Paste as Sibling or Paste as Child icons to paste all cut tree nodes or tree leaves at once together as children or siblings.	8.54
Update Manager	Starting with PeopleSoft 9.2 applications, there is a new mechanism for receiving updates and patches called the PeopleSoft Image. With it, you get a new tool called PeopleSoft Update Manager to help you better manage your maintenance and easily select updates and their requisites	8.53
	PeopleTools 8.54 provides new features that provide the ability for the source and target PeopleSoft systems to be on different PeopleTools versions.	8.54
	Data Migration projects have been integrated with PUM to create a composite project of customer-selected units of work containing DMW projects and their dependents for ADS in a manner similar to what has been done for IDE objects in 8.53.	8.54
	The PeopleSoft Update Image shared folder will include the supported 8.53 Oracle (32-bit) and PeopleTools clients, as well as the supported 8.54 Oracle (64-bit) and PeopleTools clients.	8.54
	The image supports patching PeopleTools 8.53 and PeopleTools 8.54 databases, and as a result customers can continue to patch their PeopleTools 8.53 databases without upgrading.	8.54
	The current PeopleSoft Update Image for each application will be on PeopleTools 8.54.	8.54
	With PeopleTools 8.55 PeopleSoft delivers software resources with instructions of how the resources work together. Then, using open source configuration tools as well as PeopleSoft configuration management tools, the downloaded software can be configured to run on any platform, including popular virtual platforms. The net result means that once you have installed an update image, the next time all you have to download and install are the resources that have changed.	8.55
	There are now four separate change package wizards to create a change package definition: - Change Package - Upgrade Package - The Define Upgrade Package component is a wizard that has three options: -- Create an Application Upgrade package (UPG). -- Create a Required for Upgrade package (RFU). -- Create both the Application Upgrade package (UPG) and the Required for Upgrade package (RFU). - Tools Delta Package - Translation Delta Package	8.55
	Update Manager Utilities include:- Review Change Package - Provides information on the status of the change package, as well as search scope, bugs included in the change package, and modified objects.- Delete Change Package - You now have the ability to delete a change package definition.- About PeopleSoft Image - The About PeopleSoft Image page has been enhanced to display the PI Version.	8.55
	One of the primary features of PeopleSoft Update Manager (PUM) is allowing users to search for bugs and new features. Several key enhancements are added to the search feature including: - Iterative Search - Users can now create change package definitions from multiple searches. Searches by different criteria such as object and bug can now be consolidated into a single change package for easier maintenance. - New Search Options - Now users can do direct searches for new features and for tax updates. - Customization Impact - There is an option within search to provide the user with customization impact information during search. This provides more insight to the impact the bug will have when being applied to the system. - Test Coverage - Information will be provided that gives the general test coverage of applying a change. Now users will have a more clear understanding of the test coverage when applying maintenance.	8.55

Product(s)	Feature	Version
	It is important for customers to have insight into the level of maintenance and new features that have been applied to their system. To help provide this, there is a new PeopleSoft Update Manager Dashboard that is available as part of the PeopleSoft Update Image (PI). After the customer connects to the PI through Change Assistant and uploads their information, they can use the PUM Dashboard to view useful analytics.	8.55
User Experience Design	A new style sheet, PSSTYLEDEF_TANGERINE, makes all aspects of a PeopleSoft application more contemporary and visually pleasing. The new style sheet affects not only colors, but homepages, headers, application pages, and pagelets. Page controls and other design elements are also updated. You can adopt this new style or keep your previous styles if you prefer. Most of the new PeopleSoft style sheet is driven from cascading style sheets (CSS), which gives you more control over the style customizations if you choose to use styles that are in alignment with your own corporate requirements. These changes also lay the groundwork for future user interface changes that will make it easier for you to achieve the look and feel that suits you. You can adopt this new style sheet or keep your previous styles if you prefer. PSSTYLEDEF_SWAN remains the default style sheet for PeopleSoft 9.1 applications. The PeopleTools default style sheet, PSSTYLEDEF, is unchanged for PeopleTools 8.53.	8.53
	In PeopleTools 8.53, PeopleTools supports the use of a new %tabindex meta tag. Adding the tabindex=%tabindex meta tag to the HTML for the controls of an HTML area on a PeopleSoft page makes them accessible from tab keys during runtime. The %tabindex construct will place the HTML area controls within the tab order of the page in a logical sequence.	8.53
	PeopleTools 8.53 brings greater flexibility for disabling the auto-complete feature for both application implementation teams and end users. In previous releases, if an end user wanted to use the auto-complete option (also referred to as type ahead), they could do so by enabling the auto-complete personalization, which made all prompt fields, system-wide, take advantage of the auto-complete feature. With auto-complete set, when the end user enters data into a prompt field, the system attempts to match the intended entry based on user input and stored data, saving the end user from entering the entire value manually. To use the auto-complete option (also referred to as type ahead), they could do so by enabling the Autocompleteauto-complete personalization, which made all prompt fields, system-wide, take advantage of the auto-complete complete feature.	8.53
Workflow Technology	This enhancement provides a new option in the activity mappings to support rich text in Trigger Business Event emails.	8.54
	This enhancement utilizes the PeopleTools Search Framework and simplifies the query generation and configuration of other SES related objects for workflow. This enables users to search for worklist entries based on application-specific fields.	8.54
nVision	Oracle PeopleSoft re-introduces the OpenXML mode in PeopleTools 8.53. PS/nVision uses the OpenXML mode on the batch server that uses Microsoft's OpenXML SDK to generate Excel-compatible documents. The OpenXML mode is the default mode in PeopleTools, and the default setting of the UseExcelAutomationMode flag in psprcs.cfg is 0.	8.53
	The PS/nVision product documentation now lists and describes all nVision command line parameters and the corresponding fields in the Define Report Request page.	8.53
	In PeopleTools 8.53, query prompts are supported for nVision drilldowns that are submitted from the web. If the nVision report instance uses the queries that contain run-time prompts, you must enter the prompt values. If an nVision report instance is generated with one or more queries as data source, and if those queries require prompt inputs, then performing drilldown on this nVision report instance also requires query prompt inputs. If the prompt values are blank or invalid, an error message appears. If so, you can close the error message and reenter the prompt values.	8.53
	PeopleTools 8.54 extends the existing support for Microsoft Excel format reports by adding a Cross Platform Framework (PXF) for Excel report generation. PXF enables users to deliver Excel format reports for nVision and Query output to Excel without having to maintain a Windows server in the data center.	8.54
	PeopleCode APIs for Excel is a framework solution for easier interaction with Excel files or spreadsheets within PeopleCode. This feature provides the user the ability to interact with Excel spreadsheets by using PeopleCode APIs across multiple platforms (including Windows, UNIX and Linux).	8.55
	The Multiple Chart-field nPlosion feature is an extension of the existing nPlosion feature. Multiple Chart-field nPlosion is used to provide functionality for data in financial reports to show detailed data values when there are multiple chart fields specified in the report.	8.55