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PeopleTools Cumulative Features Between 8.52 and 8.55

Product(s)	Feature	Version
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 Fonts™. 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
	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
	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
	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
	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
	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
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
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

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	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
	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. In upcoming PeopleSoft application images, components using the master-detail model will be available. PeopleTools ships a default master-detail component named PT_MDSTARTPAGE_NUI, containing basic elements, such as the navigation page and the target content page.	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
	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 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
	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

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	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
	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
	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, these Pivot Grid Viewer features will be compatible with Active Data Guard (ADG).	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
	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
	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
	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

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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

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	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
	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
	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
Portal Technologies	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
	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
	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
	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

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	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
	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
	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, 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
	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
	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
	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
	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
	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
	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
	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 PeopleTools8.54.	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
	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

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PeopleTools Cumulative Features Between 8.52 and 8.55

Product(s)	Feature	Version
	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
	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
	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
	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
	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
	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
	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
Process Scheduler	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
	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
	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

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PeopleTools Cumulative Features Between 8.52 and 8.55		
Product(s)	Feature	Version
	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
	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 8.54 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
	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
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
	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
	The Enable Auto Preview functionality has been removed from the Query Manager – Query Preferences page.	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
	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
	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
	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
	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
	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

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PeopleTools Cumulative Features Between 8.52 and 8.55

PeopleTools Cumulative Features Between 8.52 and 8.55		
Product(s)	Feature	Version
	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
	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
	All Query Access Service (QAS) services are now also available as REST services.	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
	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
	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
	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
	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
	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. When defining a drilling URL to the BIP Rest Service, all supported report output parameters, such as the report definition ID, output format, template ID, and language code, can be defined as a part of the drilling URL. In addition, the required query prompt values for the drilling report can be mapped to field values in the parent query.	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
	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
	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
	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 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
	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

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PeopleTools Cumulative Features Between 8.52 and 8.55

Product(s)	Feature	Version
	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	8.55
	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	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	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	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	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	8.55
Reporting Web Services	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	8.54
	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	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	8.55
Search	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	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	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	8.53
	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	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	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	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	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	8.53

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PeopleTools Cumulative Features Between 8.52 and 8.55		
Product(s)	Feature	Version
	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
	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
	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
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
	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

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PeopleTools Cumulative Features Between 8.52 and 8.55

Product(s)	Feature	Version
	The LDAP section of the psappsvr.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
	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
	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
	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
	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
	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
	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
	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
	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. Note that the tile is not added to the Fluid homepage or NavBar by default.	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
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