

Oracle Cumulative Change Report PeopleTools 8.52 to 8.54			
row#	Product(s)	Feature	Version
1	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
2		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
3		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
4		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
5		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
6		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
7	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
8	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
9	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
10		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
11		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

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12		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
13	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
14		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
15		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
16		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
17		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
18		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
19	Pivot Grid	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

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20		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
21		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
22		Pivot Grid administrators use the Pivot Grid Administration component to administer Pivot Grid models, views, and user personalization.	8.53
23		Starting from PeopleTools 8.53, these Pivot Grid Viewer features will be compatible with Active Data Guard (ADG).	8.53
24		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
25		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
26		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
27		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
28		Beginning from PeopleTools 8.53, there are a number of functional enhancements in the Pivot Grid Wizard component	8.53
29		Beginning from PeopleTools 8.53, user interface enhancements are available in the Pivot Grid Wizard and Pivot Grid Viewer components.	8.53
30		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
31		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
32		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
33		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

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34		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
35		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
36		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
37		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
38		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
39		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
40		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
41		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
42		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
43		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
44		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
45		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
46		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

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47		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
48		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
49		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
50		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
51		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
52		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
53		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
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
55		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
56		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
57		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
58	Portal Technologies	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
59		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
60		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
61		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

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62		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
63		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
64		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
65		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
66		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
67		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
68		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
69		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
70		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
71		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
72	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

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73		Starting from PeopleTools 8.53, Additional service operations are available to monitor a process and get a report.	8.53
74		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
75		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
76		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
77		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
78		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
79		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
80		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
81		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
82	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
83		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
84		The Enable Auto Preview functionality has been removed from the Query Manager - Query Preferences page.	8.53

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85		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
86		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
87		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
88		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
89		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
90		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
91		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
92		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
93		Beginning from PeopleTools 8.54, you are able to use the Image URI 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
94		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



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95		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
96		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
97		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
98		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
99		All Query Access Service (QAS) services are now also available as REST services.	8.54
100	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
101		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
102	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
103		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
104		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
105		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
106		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

Oracle Cumulative Change Report PeopleTools 8.52 to 8.54			
row#	Product(s)	Feature	Version
107		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
108		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
109		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
110		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
111		Indexes built from file and web sources can now be included in the Global Search results by selecting the All category	8.54
112		Content in the report repository can now be indexed and searched.	8.54
113		Images can now appear in search results.	8.54
114		Facets can now be based on numerical and date ranges, allowing more ways for users to sift through search results	8.54
115		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
116		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
117	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
118		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

Oracle Cumulative Change Report PeopleTools 8.52 to 8.54			
row#	Product(s)	Feature	Version
119		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
120		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
121		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
122		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
123		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
124		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
125		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
126		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
127	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
128		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

Oracle Cumulative Change Report PeopleTools 8.52 to 8.54			
row#	Product(s)	Feature	Version
129	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
130		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
131		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
132	Workflow Technology	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
133		This enhancement provides a new option in the activity mappings to support rich text in Trigger Business Event emails.	8.54