

HP Project and Portfolio Management Center

Software Version: 8.00

What's New and What's Changed

Document Release Date: July 2009

Software Release Date: July 2009



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This manual's title page contains the following identifying information:

- Software version number, which indicates the software version
- Document release date, which changes each time the document is updated
- Software release date, which indicates the release date of this version of the software

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1 Introduction to PPM Center Version 8.00

Highlights

This version of the HP Project and Portfolio Management Center (PPM Center) product features enhancements in the following key areas:

- Multi-language user interface support
- Budgets and financial controls
- Usability enhancements
- Administration and performance improvements
- Web services
- Integrations updates
- Solutions updates

Highlights of the changes in each area, as compared to version 7.5, are described in the following sections. Each bullet is a link to the section in [Chapter 2, *New and Enhanced Features and Functionality*, on page 17](#) that provides details about the change. For more information, also see the relevant product guides.



Many new features and changes introduced in version 7.5 service packs SP1, SP2, and SP3 are included in version 8.00. However, the service pack in which a feature was introduced is not necessarily identified in this document. For more details about service pack content, see the version 7.5 *Release Notes* for each service pack.

Multilingual User Interface Support

The introduction of the *Multilingual User Interface*, or *MLU*, allows organizations that span the globe to derive PPM Center's benefits in the language native to their varied geographies.

Key impacts for this enhancement are encompassed in the following areas:

- *Language Packs*
- *Supported Languages*
- *Supporting Languages Not Supplied by HP*
- *User Experience Changes Based on MLU*
- *Architectural Changes Based on MLU*

For in-depth information, see the *Multilingual User Interface Guide*.

Budgets and Financial Controls

Following are the key enhancements to budgets and financial controls in this version of PPM Center:

- *Financial Summaries*
- *Financial Data Tables*
- *Resource-Level Cost Categorization*
- *Fiscal Periods*
- *Calendar Weeks*

Usability Enhancements

To improve usability, enhancements have been made to PPM Center in the following areas:

- *Standard Interface*
 - *Enhanced Product Navigation*
 - *Default PPM Dashboard Page Designation*
 - *Portlet Visualization Enhancements*
 - *Regional Settings*
- *HP Financial Management*
 - *Forecast and Actual Costs and Benefits in Financial Summaries*
- *HP Resource Management*
 - *Resource Preference Specification in Resource Requests*
 - *Resource Pool Search*
 - *Disabling Resource Pools*
 - *Removing Staffing Profiles*
 - *Menu Improvements*
- *HP Demand Management*
 - *Saving Partially Completed Fields*
- *HP Project Management*
 - *Work Plan Interaction Improvements*
 - *Forecast Planning for Multiple Projects*
 - *Opening a Work Plan in Microsoft Project from PPM Center*
 - *Microsoft Project Integration: Notes and Activities*
 - *Automatic Setting of Milestone Dates*

- *HP Program Management*
 - *Program Manager Access to Projects*
- *HP Portfolio Management*
 - *Improved Interface for Adding Lifecycle Entities to Scenario Comparisons*

Administration and Performance Improvements

- *Background Services*
- *Clustered Configurations*
- *Monitoring Tools*
- *Watchdog Tool*
- *Password Security Enhancement*
- *Performance Improvements*
- *Time Sheet Data Importer*

Web Services

Web services have been updated in the following areas:

- *Authentication*
- *HP Financial Management* (removal of budget-related Web services and addition of Web services related to financial summaries and financial data tables)

Integrations

PPM Center version 8.00 includes the following integrations:

- Integrations with HP Service Manager, HP Universal CMDB, HP Quality Center, HP Change Control Management, and HP Release Control, using HP Application Lifecycle Management (ALM). See *Application Lifecycle Management*.
- *HP Document Management*.

Solutions

This version of PPM Center includes the following solutions. Supported HP and third-party products have changed.

- *HP Center Management for Quality Center*.
- EMC Documentum Content Server Enterprise Edition. See *HP PPM Center Documentum Connector Software for HP Document Management*.

Upgrade Considerations

When you upgrade from version 7.5 to version 8.00, consider impacts in the following areas:

- **Upgrade process.** Specifics about the impacts of the actual upgrade process are described in *Chapter 3, Upgrade Impacts*, on page 41.
Also discussed in this chapter are the changes to the PPM Center data model and entities—these may have impacts on any customizations deployed at your enterprise.
- **System administration.** Items of interest to the PPM Center system administrators or database administrator are detailed in *Chapter 4, System Requirements and Configuration Updates*, on page 91.

Changed and New Document Titles

Table 1-1 lists the title changes made to documentation for PPM Center version 8.00.

Table 1-1. Changes to document titles in PPM Center version 8.00

PPM Center Version 7.5 and Earlier	PPM Center Version 8.00
System Administration Guide and Reference	Installation and Administration Guide
HP Managing Application Change Guide	HP Application Lifecycle Management Guide
N/A	Generating Fiscal Periods (new)
N/A	Multilingual User Interface Guide (new)

Related Information

The following documents provide more in-depth details on the installation, configuration, and customization of this version:

- *Installation and Administration Guide*
- *Upgrade Guide*
- *System Requirements and Compatibility Matrix*
- *Creating Portlets and Modules*
- *Customizing the Standard Interface*
- *Getting Started*
- *Generating Fiscal Periods*
- *Multilingual User Interface Guide*

For additional details, you may also want to consult the documentation for the following PPM Center product areas:

- HP Demand Management
- HP Deployment Management
- HP Financial Management
- HP Portfolio Management
- HP Project Management
- HP Program Management
- HP Resource Management
- HP Time Management
- Application Lifecycle Management
- HP Center Management for Quality Center
- HP Document Management
- Web services

2 New and Enhanced Features and Functionality

Overview of Additions and Changes

This chapter describes the new features and functionality available in this version. Evaluate the following capabilities to determine whether they are appropriate to add to, or have impact on, your existing processes, procedures, or business strategies.

Multilingual User Interface Support

To facilitate the needs of global enterprises with offices in countries using different languages, this version of PPM Center now enables multiple, concurrent user sessions supporting different languages and locales. This multi-language user interface support allows organizations that have PPM Center users in differing locations to use the language native to their geography, and to permit these users to work with entities (such as requests and workflows) in their respective languages. (Plain text that the user types is not translated.)

For example, consider the following three users who access the same PPM Center instance:

- Resource A who views the product in English
- Resource B who views the product in Korean
- Manager C who views the product in German

Resource A sees the PPM Center graphical user interface (GUI) in English, and creates a time sheet, selects the various attributes displayed in English, and submits his time sheet. At the same time, Resource B sees the PPM Center GUI in Korean, selects the various attributes displayed in Korean, and submits her time sheet. Later, Manager C views both time sheets in German and makes approval decisions.

Allowing all the users to interact with the same PPM Center instance in their individual native languages enables their enterprise to derive more benefits, while keeping the overall cost of ownership to a minimum.

Language Packs

HP provides default translations for all text attributes supplied out of the box in PPM Center. The following types of text are translated and maintained in PPM Center product bundles referred to as language packs:

- PPM Center standard interface
- PPM Workbench interface
- HP-supplied entities and their related attributes

This text is sometimes referred to as boilerplate and refers to the text that PPM Center users view while interacting with the product.

Installation of one or more language packs can be accomplished during the installation or upgrade of PPM Center. This version of PPM Center also includes the ability to add languages as your enterprise expands into new geographic regions. As your organization expands, you can add additional language packs at any time.

Once installed, language packs (other than the system language) can be either enabled or disabled using the `kConfig.sh` script. Also note that the English language pack is always installed on a PPM Center instance. HP recommends that you always have the English language pack *enabled*.

Supported Languages

In addition to English, PPM Center language packs support the following languages:

- Japanese
- Korean
- German
- Brazilian Portuguese
- French
- Italian
- Russian
- Simplified Chinese
- Spanish
- Turkish



Language packs may be made available at or following the initial release of this version of PPM Center—some of the language packs identified in this list may not be immediately available at the same time as English.

Supporting Languages Not Supplied by HP

If your organization requires a language that is not currently supported in PPM Center, consider contacting HP or your services partner for a custom language pack. A partner can obtain the HP PPM Open Localization Toolkit to create custom language packs to deploy to PPM Center.

As with other partner customizations, the translations in custom language packs are supported by the provider of the language pack. HP Support may require a PPM Center problem to be reproduced in an HP language pack (such as English) for investigation if a language pack issue is suspected.

Partners seeking information about how to obtain the HP PPM Open Localization Toolkit and documentation on the product can go to the HP Partner Portal. To locate your regional partner portal and register, go to the following URL:

http://www.hp.com/partnerlearning/partner_portal_access.html

User Experience Changes Based on MLU

This section provides information about how multilingual support changes the experience of PPM Center users working in the standard interface and PPM Workbench.

PPM Center Interactions

The new multi-language support results in user interface changes to PPM Center. The first change you might notice occurs during logon, and is based on the preferred language configured for your Web browser.

The PPM Center logon page now features a new **Language** field. The field is displayed if more than one language pack is deployed (and enabled) in the PPM Center instance you are logging into. Select the language you want to use for your PPM Center session. The default session language is the preferred Web browser language. If that language is not available in the PPM Center instance, then the system language is displayed as the default session language.

Your choice of session language determines which translation of the user interface and entities is displayed while you interact with PPM Center. After you log on, PPM Center content is displayed in the session language you selected (wherever translations are available in that language).

Configuration Impact

Through the use of the various language packs, all HP-provided user interface and entity text is provided in the associated language. However, one of the benefits of the PPM Center product is its extensive configurability, which enables you to create solutions that are tailored to your enterprise. When you configure the product to suit your business needs, you will likely modify some text attributes of the out-of-the-box entities supplied by HP and introduce new entities with new text attributes. Your changes are *initially* available only in the language in which you define those configurations.

New tools included in this version help you to identify and manage new and modified text attributes so that you can translate those attributes into all of the languages necessary to support the needs of your PPM Center users. In this manner, a single configuration (for example, a request type and workflow process) can be translated into multiple languages and can be used to support a standard process for your diverse user base working in different regions and speaking different languages.

Web Services

Your Web service operations work as they did for previous releases. However, in some situations you may need to specify the language to use in a Web service session. With the introduction of multi-language capabilities, you now have the option to specify the desired session language in the SOAP header as shown in the following example, which sets the session language to German.

```
<common:UserLocaleHeader xmlns:common="http://mercury.com/ppm/
common/1.0">
  <common:LanguageLocale>de</common:LanguageLocale>
</common:UserLocaleHeader>
```

- ▶ The new language header is optional. If no language context is specified, the language context for the Web service session will default to the system language.
- ▶ There is no support for working with the data in multiple languages in a single Web service operation—multiple, separate Web service transactions are required, each specifying the different, desired session language.

Your Web service special commands function in the same manner as they did for previous releases because they rely on your session language. If you want to work with the data in a different language, change your session language.

Architectural Changes Based on MLU

The new multilingual user interface support required architectural changes in PPM Center. In general, these are all “under the covers.” However, there might be impact on various configured or customized solutions.

The database tables that contain the boilerplate text have been modified to include a language code, definition language, reference code, or a combination of all of these.

During an upgrade to this version, *existing* entity data is automatically updated with values appropriate to this version. However, you must specify this data when creating *new* entities and new fields have been included in the user interface for this purpose.

The database tables for the entities that have been impacted in this manner have been further modified. Tables containing the actual data (in the system language) have been renamed with an `_NLS` suffix. The data, in its translated form, is stored in a corresponding table with an `_LOC` suffix. A view with the original name of the table has been created to provide seamless support and backwards compatibility.

Customizations and queries should use the *view* to access the data.



Note that the name of the view is the same as the name of the table in previous PPM Center versions.

For example, during an upgrade the `KNTA_LOOKUPS` table is renamed `KNTA_LOOKUPS_NLS`. During this process, the data is preserved and the new columns are added (in this case `DEFINITION_LANGUAGE` and `REFERENCE_CODE`). A new table, `KNTA_LOOKUPS_LOC`, is added and contains translations of the HP-supplied boilerplate (based on the language packs that have been installed). The `KNTA_LOOKUPS` view is created, allowing access to the data in the language appropriate to user sessions.

Budgets and Financial Controls

Financial Summaries

This version of PPM Center introduces the concept of “financial summaries,” which are automatically created and associated with lifecycle entities (proposals, projects, and assets) when they are created from scratch. When a proposal is approved and becomes a project, or when a project is completed and becomes an asset, the same financial summary (not a copy) is carried forward among these lifecycle entities.

This model provides continuity among each proposal, the associated project that it becomes, and the associated asset that the project becomes. In addition, for the first time, this release allows you to specify an approved budget for lifecycle entities, separate from the forecast and actual costs.

The financial summary for a lifecycle entity includes the following:

- As a new feature, the approved budget for various fiscal years, which is independent of the forecast and actual costs
- Graph showing forecast and actual consumption of the approved budget over the fiscal year you select
- Table of forecast and actual costs, over a range from two years ago to five years from now
- Table of forecast and actual benefits, over a range from two years ago to five years from now
- Usability enhancements (see *Forecast and Actual Costs and Benefits in Financial Summaries* on page 30)

Programs have program roll-up financial summaries, for which the data is a summation (a roll-up) of the data of the projects in the program. Programs can also have an independent program editable financial summary that is very similar to a lifecycle entity financial summary. If the program had an attached budget in version 7.5, the upgrade makes that budget data the forecast and actual cost data in the program editable financial summary.

Organization units have financial summaries that include approved budgets for those organization units.

Each financial summary must have a lifecycle entity, a program, or an organization unit as its parent entity (that is, it cannot be “freestanding”).

Snapshots of Financial Summaries

You can take a snapshot of a financial summary at any time to preserve a copy of its forecast and actual costs and benefits and its approved budget.

When a proposal is approved and becomes a project, a financial summary snapshot is automatically taken by a workflow step, and that snapshot is designated as the Plan of Record snapshot.

When a project is completed and becomes an asset, another financial summary snapshot is automatically taken by a workflow step.

If a financial summary has more than one snapshot, you can change which one is designated as the Plan of Record.

You can compare the data among as many as five snapshots at once, or among as many as four snapshots and the current financial summary. You can select the Plan of Record snapshot as one of the snapshots to compare.

Introduction to Upgrade Considerations

Upgrading to this version of PPM Center performs the following conversions in connection with financial summaries:

- Forecast and actual budgets and/or financial benefits attached to an active lifecycle entity are converted to forecast and actual costs and/or financial benefits in the financial summary of that lifecycle entity.
- Each budget associated with a program is converted to a financial summary snapshot for that program.
- Plan values in budgets for organization units are converted to plan values in the approved budgets of financial summaries for those organization units.

Using the new `kBudgetBenefitImport.sh` script, freestanding budgets and benefits in version 7.5 can be imported as financial summary snapshots after the upgrade. You run the script to create a spreadsheet listing freestanding budgets and benefits that remain in the database from version 7.5, you assign them to specific requests as desired, and you run the script again to import the budgets and/or benefits as financial summary snapshots.

Details of all of these upgrade impacts are provided in the *Upgrade Guide*.

Financial Data Tables

Version 8.00 introduces financial data tables, which allow your business to consolidate and track information related to any type of PPM Center request, including but not limited to lifecycle entity requests. Like financial summaries, the financial data tables include forecast and actual costs and benefits.

Financial data tables can be used for many purposes, such as tracking indirect costs and/or benefits, or creating multiple, alternative forecasts for a new request. As described in the *Upgrade Guide*, some budgets and benefits for customized request types in version 7.5 are automatically converted to financial data tables during the upgrade.

Resource-Level Cost Categorization

A lifecycle entity's financial summary can be configured such that its forecast cost for labor is calculated from the lifecycle entity's staffing profile.

In PPM Center version 7.5, budget forecasts can be calculated from staffing profile *positions*, which have one of two labor categories—Employee or Contractor. However, individual *resources* specified for those positions in the staffing profile have no such categorization.

In version 8.00, resources specified for positions can have either of these two labor categories (now called cost categories). If the forecast cost for labor in a financial summary is configured to be calculated (rolled up) from the staffing profile, the costs of particular resources, where specified, are now distinguished by cost category (Employee or Contractor) in the financial summary. (Where costs for particular resources are not specified, costs at the position level are used as in version 7.5.)

Each forecast line from the staffing profile is visible but not editable in the financial summary.

Also, after upgrade, all actuals from time sheets or work plans are shown as detail lines.

Fiscal Periods

Using the new `kGenFiscalPeriods.sh` script, highly configurable sets of fiscal periods can be generated to reflect your enterprise's fiscal calendar. You can generate fiscal periods for the following:

- Standard fiscal calendars using the familiar Gregorian calendar (the periods can be adjusted to start on any day of the year)
- Standard retail calendars, which have twelve months but exactly thirteen weeks in each quarter for most years
- Non-standard retail calendars, which do not have twelve months

You can use the new script to specify the formats of years, half-years, quarters, and months, and the names of months, for use in HP Portfolio Management, HP Project Management, HP Financial Management, and HP Resource Management interfaces, including calendars, portlets, and reports.

In addition, the new script supports the following:

- Adding periods specified in multiple languages
- Changing the format of the periods, even after they have been generated
- Increased flexibility in specifying the start and end dates for each type of period

For information about the script, see the *Generating Fiscal Periods* document.

Calendar Weeks

In this version of PPM Center, you can use the new `kGenFiscalPeriods.sh` script to change the start day of the week, which is used by the Analyze Cumulative Cost Metrics page and portlet. The default is Sunday.

After an upgrade, you must change the start day of the week to make it Monday for all new periods that will be generated, to be consistent with the start day of Monday in version 7.5.

For new installations, if the start day of the week should not be Sunday, you must change the start day of the week before generating any periods.

For information about the script, see the *Generating Fiscal Periods* document.

Usability Enhancements

Standard Interface

Enhanced Product Navigation

This version of PPM Center version introduces the following:

- **New menu bar for the standard interface.** The key benefits of this new layout are that more of your viewing screen is available to display the product's interface and data, and the need to scroll down the screen to access the menu items has been eliminated.
- **New Search and Create menus.** These aggregate the search and create functionality in the menus for the various application modules and can simplify access to these menu functions.

- **New search box.** You can type a menu term or a project or request number into the search box and the relevant menu options are automatically presented (see *Figure 2-1*).

Figure 2-1. Search box example



- **New My Links menu.** The **Favorites** icon has been replaced by a new **My Links** menu. For upgrades to PPM Center version 8.00, all items in each user's **Favorites** list are automatically moved to **My Links**.

Default PPM Dashboard Page Designation

The PPM Center instance can now be configured with a default landing page for all the users. This new feature allows your enterprise to maintain a standardized PPM Dashboard page displaying the portlets deemed of importance across your enterprise. After users log on, this is the first page that they see. Users can refer to this PPM Dashboard page any time they want to check for up-to-date information.

Portlet Visualization Enhancements

The following portlet enhancements allow you to employ new methods for visualizing your PPM Center data:

- **Radar chart type.** This chart type displays data using the polar coordinate system.
- **XY chart type.** This chart type displays data points without connecting lines (a scatter chart).
- **Pivot portlet type.** This portlet type displays and sorts data by rotating rows and columns and also supports drill-down on the aggregated data.
- **Calculated column.** This allows you to specify a data column that is a function of other data in the portlet.
- **Unicode font support.** This enables the translation and display of content in multiple languages, including Asian and European languages and Russian, in one string and in different locales.
- **Rich text portlet.** This new type of portlet provides a “rich text” interface that can be displayed with or without borders.

Regional Settings

A user can now modify his or her regional settings in the Edit My Profile page in the standard interface. Previously, this was possible only from the PPM Workbench.

On the new **Regional Settings** tab in the Edit My Profile page, users can specify the locale used by PPM Center to format dates, times, numbers, and currencies for display. To ensure that the formatting corresponds to third-party software used with PPM Center (such as Microsoft Excel or Microsoft Project), you must specify the *same* regional settings (locale) for both your PPM Center user profile and your PC (**Control Panel > Regional and Language Options** in Microsoft Windows®). For more details, see the *Getting Started* document and the *HP Financial Management User's Guide*.

HP Financial Management

Forecast and Actual Costs and Benefits in Financial Summaries

The separate tables of costs and benefits in the new financial summaries (see *Financial Summaries* on page 23) include enhancements to user interactions as follows:

- Users can display planned (forecast) and actual values or only planned values, over a range of years from two years ago to five years in the future.
- Users can display data by month or by quarter.
- Users can display totals only or include line-by-line details.
- Line-level user data fields are displayed as part of each line.

HP Resource Management

Resource Preference Specification in Resource Requests

Sometimes a Project Manager would like to be able to request a particular resource for a task because that person's capabilities are known to be an optimal match to the requirements. This version of PPM Center now allows a Project Manager to specify a desired resource when requesting a resource for a staffing profile position.

Resource Pool Search

The project manager can search for the resource pool that best matches the resources required to fill a staffing profile position. The project manager can search for a resource pool based on the name, manager, region, role, primary organization unit, or specific resources. Requesting resources from the correct resource pool reduces the time required by the resource pool manager to reroute any incorrect requests.

Disabling Resource Pools

Over time, resource pools may become outdated due to circumstances such as attrition, downsizing, organizational changes, or geographical relocations. This can result in resource pools that no longer accurately reflect your personnel. Often, updating these may be time consuming and painstaking, and it might be simpler to create an entirely new resource pool instead. However, creating a second resource pool has resulted in two active pools—one which you want to use and another which you do not want to use.

This version of PPM Center overcomes this dilemma and now allows you to disable resource pools so that resources can no longer be requested from them.

Removing Staffing Profiles

Occasionally you may create staffing profiles that are used for temporary purposes, such as product demonstrations, training sessions, or process prototyping. Previous versions of PPM Center did not include the ability to remove these staffing profiles once they were no longer needed.

This version of PPM Center introduces the ability to delete staffing profiles. However, HP recommends doing so with extreme caution—deleted staffing profiles cannot be restored and there can be unanticipated consequences to assignments and actuals.

Menu Improvements

From the Resource Pool page, using the new **Additional Actions** drop-down menu, you can configure access, configure notifications, change the resource pool header information, or disable the resource pool. Many of these actions were available as buttons on the page. The drop-down menu is added to consolidate these actions.

Also, in the Resource Load Breakdown dialog, resources are now listed alphabetically, by last name.

HP Demand Management

Saving Partially Completed Fields

With this release, when a request action leads to a page requiring entry of fields before the workflow can progress to the next step, users can now save a set of partial entries and return to the request later to complete the data on the page. Previously, users could only cancel out of the page and partial entries they had made were lost.

HP Project Management

Work Plan Interaction Improvements

Scheduled effort can now be directly edited from the task quick edit view if scheduled effort is not automatically calculated.

When working with work plans, you sometimes drill into the data and then revert to the work plan. In previous versions of PPM Center, when you returned to the work plan, you were always positioned at the beginning of the work plan. This can be especially frustrating if the work plan contains several pages of tasks and milestones—you need to scroll, then find the place where you were working.

Instead of placing you at the beginning of the work plan, this version of PPM Center now repositions you in the work plan at the task or milestone where you left off.

Forecast Planning for Multiple Projects

When planning for multiple projects in an organization, the project manager may find that several projects require deliverables from his team. Rather than having to access the staffing profile of each project one at a time, the project manager can now create forecast plans for multiple projects from a single page, the Forecast Planning page, using multiple staffing profiles. The page uses a spreadsheet-like user interface with flexible filter options to focus forecasting and staffing on key positions, such as using DBAs across multiple projects.

Opening a Work Plan in Microsoft Project from PPM Center

Work plans that are controlled by Microsoft Project or have shared control can be directly opened in Microsoft Project from HP Project Management. Work plans that are controlled by HP Project Management cannot be directly opened in Microsoft Project from HP Project Management.

Microsoft Project Integration: Notes and Activities

In PPM Center, notes in the Task Details page are synchronized with the Notes field in Microsoft Project. In PPM Center, activities are mapped and synchronized with a custom field in Microsoft Project.

Automatic Setting of Milestone Dates

When all predecessors of a milestone are complete, the actual start and finish dates of the milestone are automatically set to the last predecessor's actual finish date. That is, if several predecessors finish on different dates, the predecessor actual finish date of the predecessor that finished last is used.

HP Program Management

Program Manager Access to Projects

From the Create and Edit Program page, the program manager can only add projects for which he is a participant. If the program manager has the View All Projects access grant, all projects are listed.

HP Portfolio Management

Improved Interface for Adding Lifecycle Entities to Scenario Comparisons

The HP Portfolio Management interface for adding lifecycle entities to existing scenario comparisons has been enhanced. Advanced search capabilities now allow you to identify more specific sets of proposals, projects, and assets to add. For example, you can filter on custom field values.

Administration and Performance Improvements

Infrastructure enhancements have been made throughout the product. Many of these modifications may be transparent to you. However, others may impact how tasks are accomplished, or how you configure or administer your PPM Center instance.

Key areas of focus are described in the following sections.

Background Services

Controls for all the background services are consolidated in a single Schedule Services page, which you can access from the standard interface. You no longer need to set numerous services parameters in the `server.conf` file. From this page, you can enable or disable services and configure the schedules to run using a simple or cron-based timer.

Status for the services is also available from the new Services Audit report, which indicates whether each service is enabled or disabled and whether it is currently running. The report also includes the interval, last run timestamp, and next scheduled run time for each service. The Services Controller Report has been deleted from the PPM Workbench.



To access this functionality, select **Open > Administration > Schedule Services** or **Open > Administration > View Services Audit Page**.

Clustered Configurations

Clustered deployment configuration was redesigned to improve usability, performance, and troubleshooting. Many of these features are controlled by `server.conf` parameters.

The installation script, as well as the system startup script (`kStart.sh`), have been modified to support both clustered and “stand-alone” deployments.

Failover and fallback support received special attention, making this functionality more robust.

Monitoring Tools

The following new configurable monitors that focus on performance assessment and root cause analysis were added to this version of PPM Center:

- **Action Monitor.** The action monitor tracks activity (mainly URL requests) in the PPM Center standard interface.
- **Background Services Monitor.** The background services monitor tracks background service activities.
- **Portlet Monitor.** The portlet monitor tracks the load time of portlets. You can use the information it generates to determine the impact of portlet activity on system performance.

Monitoring results can be viewed in real time using the JMX console. Additional log files may also identify the activities requiring the most system resources.

Watchdog Tool

The new Watchdog tool helps with root cause analysis in situations where PPM Center is experiencing memory issues that can lead to performance and stability issues. Watchdog is a stand-alone tool that issues a command to generate a thread dump whenever memory exceeds the configured threshold after a full garbage collection (GC). If the memory used exceeds the threshold value, Watchdog issues a command to generate a thread dump, which is then captured in the server log. You can configure the Watchdog tool to send out email notifications about this event.

Password Security Enhancement

All passwords are now encrypted and SSL is no longer required in order to avoid exposing clear text passwords.

Performance Improvements

The following areas of the product were redesigned to improve performance:

- Resource Finder.
- Resource search functionality.
- Task quick edit view.
- HP Resource Management activities that rely on the ITG_COMPRESSED_ELEMENTS table.
- Calculations for unmet demand.
- Analyze Assignment Load portlet and Analyze Resource Pools portlet.

If the amount of data that would be analyzed exceeds allowed thresholds, data is not displayed in the portlets, and a message is displayed instead. As an alternative, you can export this data to Microsoft Excel. The allowed threshold values are specified as `server.conf` parameters as follows:

- `AAL_PORTLET_MAX_RESOURCES` applies to total resources for the Analyze Assignment Load portlet.
- `ARP_MAX_RESOURCES` applies to total resources and `ARP_MAX_RESOURCE_POOLS` applies to total resource pools for the Analyze Resource Pools portlet.

Time Sheet Data Importer

This version of PPM Center includes the `kTMDDataConversion.sh` script, which processes data from one or more source `.xml` files that represent time sheet data from an external application, and converts that data into time sheets in HP Time Management. Then, those time sheets can be updated, submitted, approved, and otherwise managed as if they were created in HP Time Management. For more information, see [Script Changes on page 103](#) and the *HP Time Management Configuration Guide*.

Web Services



For information about the impact of multi-language capabilities on Web services, see [Web Services on page 21](#).

Authentication

Previously, you had to configure either HTTP basic authentication or WS-Security authentication. With version 8.00, both types of authentication are available and can be used simultaneously out-of-the-box.

HP Financial Management

All budget-related Web services have been deleted.

New Web services for creating and managing financial summaries and financial data tables have been added. See [Financial Summaries on page 23](#) and [Financial Data Tables on page 25](#).

Integrations

Application Lifecycle Management

PPM Center includes Application Lifecycle Management (ALM) integration software, a solution that lowers the cost and risk of application change within your organization and can also accelerate the time to market for your applications.

In this version of PPM Center, you can install Application Lifecycle Management (ALM) version 2.00 integration software. It can coexist with HP Managing Application Change (MAC) version 1.0 integration software, which was introduced in version 7.5.

Table 2-1 details the third-party software integrations supported by MAC and ALM.

Table 2-1. Supported MAC and ALM integrations

Third-party software	MAC 1.0	ALM 2.00
HP Quality Center version 9.0, patch 25 (or later)	4	not supported
HP Quality Center version 9.2, patch 4 (or later)	4	4
HP Quality Center version 10.00	not supported	4 ^a
HP ServiceCenter version 6.2.4.1 (or later)	4	not supported
HP Service Manager version 7.00	4	not supported
HP Service Manager version 7.01	not supported	4
HP Service Manager version 7.10	not supported	4
BMC Remedy Action Request System version 5.0	4	not supported
HP Change Control Management version 3.0	4	4
HP Release Control version 4.00	4	4
Mercury Application Mapping version 6.5	4	not supported
Mercury Application Mapping version 6.6	4	not supported
HP Universal CMDB version 7.50	4 (at PPM Center version 7.5 SP1)	4
HP Universal CMDB version 8.00	not supported	4

a. Integration of requests in PPM Center with requirements in Quality Center version 10.00 is supported only for Quality Center projects that have version controlled disabled.

The MAC entities (request types, workflows, portlets, and reports) do not become ALM entities during either a PPM Center upgrade or the installation of ALM. MAC and ALM entities can be used simultaneously. However, the ALM entities provide enhancements compared to the corresponding MAC entities. The ALM entities have the same names as similar MAC entities, but have “ALM - ” rather than “MAC - ” as a prefix. You can apply your customizations of the MAC entities to the analogous ALM entities.



HP Document Management

In PPM Center version 7.5, you could implement HP document management only by installing and configuring the embedded version 5.3 SP5 of EMC Documentum Content Server software that HP supplied. With PPM Center version 8.00, you can still use the embedded software (version 6.5). You also have the option of implementing document management by integrating PPM Center with your organization's own instance of EMC Documentum Content Server Enterprise Edition (version 6.5). To enable this integration, you must purchase the HP PPM Center Documentum Connector software from HP. (For more information, see the *Document Management Guide and Reference*.)

Solutions

HP Center Management for Quality Center

HP Center Management for Quality Center is a separately-licensed product that uses the technology and features of PPM Center to optimize Quality Center of Excellence management by introducing proven and repeatable best practices, projects, workflows, and key performance indicators (KPIs) for principal quality activities.

HP PPM Center Documentum Connector Software for HP Document Management

This version of PPM Center introduces the separately-licensed HP PPM Center Documentum Connector software, which enables integration of PPM Center with your existing EMC Documentum Enterprise Edition installation. The connector is a separate JAR file that you download from the HP download site and install on the PPM Server.

3 Upgrade Impacts

Overview of Upgrade Considerations

This chapter focuses on the impacts of the actual upgrade process as well as the resulting changes to the PPM Center data model and entities. Also included are tables that identify the upgrade path and compatibility of the third-party products used with the PPM Center database, Extensions, and Migrators.

Upgrade Path

Only version 7.5 to version 8.00 upgrades are supported. However, the *Upgrade Guide* details the process to upgrade from version 7.1 to version 8.00, with an upgrade from 7.1 to 7.5 being an integral part of that process.

Remember that changes in the supported versions of third-party products, such as the Oracle® database software, may affect your upgrade. To determine—and plan—your environments for the upgrade, see the *Installation and Administration Guide* and *System Requirements and Compatibility Matrix*.

Enabling the Oracle JVM

PPM Center version 8.00 uses Java Stored Procedures in Oracle. This enables you to call Java code from Procedural Language/Structured Query Language (PL/SQL). To successfully upgrade to PPM Center version 8.00 and to use this feature, you must make sure that the Oracle Java virtual machine (JVM) is installed and configured on your system. For details, see the *Upgrade Guide*.

Oracle Database Compatibility

The following tables (*Table 3-1* through *Table 3-5*) provide an overview of the Oracle database versions supported for the PPM Server in PPM Center versions 7.0 through 8.00. For additional details specific to these versions, see the *System Requirements and Compatibility Matrix* document for each version.

Environments that are *not* supported in version 8.00 of PPM Center are shown in the lightly shaded areas in the following tables. Combinations shown in unshaded areas are supported for version 8.00 of PPM Center and may coincide with earlier supported environments.



All installed Oracle versions must include the most recent patches and follow the guidelines provided in the latest *Critical Patch Update*. This information is available from <https://metalink.oracle.com>.

Microsoft Windows

Table 3-1. Oracle database and Microsoft Windows platform support for PPM Center versions (page 1 of 2)

Oracle Version	Windows Server 2003 SP1	Windows Server 2003 SP1	Windows Server 2003 R2	Windows Server 2003 R2	Windows Server 2003 R2 SP2	Windows Server 2008	Windows Server 2008
	Standard & Enterprise Editions ^a	Standard & Enterprise Editions	Standard Edition ^a	Enterprise Edition ^a	Standard & Enterprise Edition ^{a, b}	Datacenter Edition ^a	Standard & Enterprise Editions ^a
9.2.0.7 9.2.0.7 RAC	not supported	7.0 7.1 7.5	not supported	7.0 7.1 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
9.2.0.8 9.2.0.8 RAC	not supported	7.1 SP1 (or later) 7.5	not supported	7.1 SP1 (or later) 7.5	7.1 SP6 (or later) 7.5	not supported	not supported

Table 3-1. Oracle database and Microsoft Windows platform support for PPM Center versions
(page 2 of 2)

Oracle Version	Windows Server 2003 SP1 Standard & Enterprise Editions ^a	Windows Server 2003 SP1 Standard & Enterprise Editions	Windows Server 2003 R2 Standard Edition ^a	Windows Server 2003 R2 Enterprise Edition ^a	Windows Server 2003 R2 SP2 Standard & Enterprise Edition ^{a, b}	Windows Server 2008 Datacenter Edition ^a	Windows Server 2008 Standard & Enterprise Editions ^a
10.1.0.3 10.1.0.3 RAC	not supported	7.0 7.1 7.5	not supported	7.0 7.1 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
10.1.0.4 10.1.0.4 RAC	not supported	7.0 7.1 7.5	not supported	7.0 7.1 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
10.1.0.5 10.1.0.5 RAC	not supported	7.1 7.5	not supported	7.1 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
10.2.0.2 10.2.0.2 RAC	not supported	7.0 7.1 7.5	not supported	7.0 7.1 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
10.2.0.3 10.2.0.3 RAC	not supported	7.1 SP3 (or later) 7.5	not supported	7.1 SP3 (or later) 7.5	7.1 SP6 (or later) 7.5	not supported	not supported
10.2.0.4 10.2.0.4 RAC	8.00	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	8.00	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	8.00	8.00
11.1.0.6	8.00	8.00	8.00	8.00	8.00	8.00	8.00

a. Includes both 32- and 64-bit support.

b. PPM Center version 7.1 support for this platform started with SP6.

Table 3-2. Oracle database and Sun Solaris platform support for PPM Center versions (page 1 of 2)

Oracle Version	Solaris 9 ^a	Solaris 10 ^b
9.2.0.7 9.2.0.7 RAC	7.0 7.1 7.5	7.0 7.1 7.5
9.2.0.8 9.2.0.8 RAC	7.1 SP1 (or later) 7.5	7.1 SP1 (or later) 7.5
10.1.0.3 10.1.0.3 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.1.0.4 10.1.0.4 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.1.0.5 10.1.0.5 RAC	7.1 7.5	7.1 7.5
10.2.0.1 10.2.0.1 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.2.0.2 10.2.0.2 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.2.0.3 10.2.0.3 RAC	7.1 SP3 (or later) 7.5	7.1 SP3 (or later) 7.5

Table 3-2. Oracle database and Sun Solaris platform support for PPM Center versions (page 2 of 2)

Oracle Version	Solaris 9 ^a	Solaris 10 ^b
10.2.0.4 10.2.0.4 RAC	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00
11.1.0.6 11.1.0.6 RAC	8.00	8.00

a. PPM Center version 8.00 support includes Patches 1 through 9.

b. PPM Center version 8.00 support includes Patches 1 through 8.

HP-UX

Table 3-3. Oracle database and HP-UX platform support for PPM Center versions (page 1 of 2)

Oracle Version	HP-UX 11i v1 ^a	HP-UX 11i v2 ^a	HP-UX 11i v3 ^{a,b}
9.2.0.7 9.2.0.7 RAC	7.0 7.1 ^c 7.5 ^c	7.0 7.1 ^c 7.5 ^c	7.5 ^c
9.2.0.8 9.2.0.8 RAC	7.1 SP1 ^c (or later) 7.5 ^c	7.1 SP1 ^c (or later) 7.5 ^c	7.5 ^c
10.1.0.3 10.1.0.3 RAC	7.0 7.1 7.5	7.0 7.1 7.5	7.1 SP4 (or later) 7.5
10.1.0.4 10.1.0.4 RAC	7.0 7.1 7.5	7.0 7.1 7.5	7.1 SP4 (or later) 7.5

Table 3-3. Oracle database and HP-UX platform support for PPM Center versions (page 2 of 2)

Oracle Version	HP-UX 11i v1 ^a	HP-UX 11i v2 ^a	HP-UX 11i v3 ^{a, b}
10.1.0.5 10.1.0.5 RAC	7.1 7.5	7.1 7.5	7.1 SP4 (or later) 7.5
10.2.0.1 10.2.0.1 RAC	7.0 7.1 7.5	7.0 7.1 7.5	7.1 SP4 (or later) 7.5
10.2.0.2 10.2.0.2 RAC	7.0 7.1 7.5	7.0 7.1 7.5	7.1 SP4 (or later) 7.5
10.2.0.3 10.2.0.1 RAC	7.1 SP3 (or later) 7.5	7.1 SP3 (or later) 7.5	7.1 SP4 (or later) 7.5
10.2.0.4 10.2.0.4 RAC	7.1 SP8 (or later) 7.5 SP3 (or later)	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00
11.1.0.6 11.1.0.6 RAC	not supported	8.00	8.00

- a. Includes both PA-RISC and Itanium support for versions 7.1, 7.5, and 8.00. For version 7.0, only Itanium is supported.
- b. PPM Center version 7.1 support for this platform started with SP4.
- c. For HP-UX 11i v1 and v2 only.

Table 3-4. Oracle database and IBM AIX platform support for PPM Center versions

Oracle Version	AIX 5L Version 5.2	AIX 5L Version 5.3
9.2.0.7 9.2.0.7 RAC	7.0 7.1 7.5	7.0 7.1 7.5
9.2.0.8 9.2.0.8 RAC	7.1 SP1 (or later) 7.5	7.1 SP1 (or later) 7.5
10.1.0.3 10.1.0.3 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.1.0.4 10.1.0.4 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.1.0.5 10.1.0.5 RAC	7.1 7.5	7.1 7.5
10.2.0.2 10.2.0.2 RAC	7.0 7.1 7.5	7.0 7.1 7.5
10.2.0.3 10.2.0.3 RAC	7.1 SP3 (or later) 7.5	7.1 SP3 (or later) 7.5
10.2.0.4 10.2.0.4 RAC	7.1 SP8 (or later) 7.5 SP3 (or later)	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00
11.1.0.6 11.1.0.6 RAC	not supported	8.00

Table 3-5. Oracle database and Red Hat Linux platform support for PPM Center versions (page 1 of 2)

Oracle Version	Red Hat Enterprise Linux AS 3.0	Red Hat Enterprise Linux AS 4.0 ^a	Red Hat Enterprise Linux AS 5.0 ^b
9.2.0.7 9.2.0.7 RAC	7.0 7.1	7.0 7.1 7.5	7.5
9.2.0.8 9.2.0.8 RAC	7.1 SP1 (or later)	7.1 SP1 (or later) 7.5	7.5
10.1.0.3 10.1.0.3 RAC	7.0 7.1	7.0 7.1 7.5	7.5
10.1.0.4 10.1.0.4 RAC	7.0 7.1	7.0 7.1 7.5	7.5
10.1.0.5 10.1.0.5 RAC	7.1	7.1 7.5	7.5
10.2.0.1 10.2.0.1 RAC	7.0 7.1	7.0 7.1 7.5	7.5
10.2.0.2 10.2.0.2 RAC	7.0 7.1	7.0 7.1 7.5	7.5
10.2.0.3 10.2.0.3 RAC	7.1 SP3 (or later)	7.1 SP3 (or later) 7.5	7.5

Table 3-5. Oracle database and Red Hat Linux platform support for PPM Center versions (page 2 of 2)

Oracle Version	Red Hat Enterprise Linux AS 3.0	Red Hat Enterprise Linux AS 4.0 ^a	Red Hat Enterprise Linux AS 5.0 ^b
10.2.0.4 10.2.0.4 RAC	7.1 SP8 (or later)	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	7.5 SP3 (or later) 8.00
11.1.0.6 11.1.0.6 RAC	not supported	8.00	8.00

a. PPM Center version 8.00 support includes initial product release and Updates 1 through 6. Both 32- and 64-bit platforms are supported.

b. PPM Center version 8.00 support includes initial product release and Update 1. Both 32- and 64-bit platforms are supported.

SUSE Linux

Table 3-6. Oracle database and SUSE Linux platform support for PPM Center versions (page 1 of 2)

Oracle Version	SUSE Linux Enterprise 9 ^a	SUSE Linux Enterprise 10 ^b
9.2.0.7 9.2.0.7 RAC	7.0 7.1 7.5	7.5
9.2.0.8 9.2.0.8 RAC	7.1 SP1 (or later) 7.5	7.5
10.1.0.3 10.1.0.3 RAC	7.0 7.1 7.5	7.5

Table 3-6. Oracle database and SUSE Linux platform support for PPM Center versions (page 2 of 2)

Oracle Version	SUSE Linux Enterprise 9 ^a	SUSE Linux Enterprise 10 ^b
10.1.0.4 10.1.0.4 RAC	7.0 7.1 7.5	7.5
10.1.0.5 10.1.0.5 RAC	7.1 7.5	7.5
10.2.0.1 10.2.0.1 RAC	7.0 7.1 7.5	7.5
10.2.0.2 10.2.0.2 RAC	7.0 7.1 7.5	7.5
10.2.0.3 10.2.0.3 RAC	7.1 SP3 (or later) 7.5	7.5
10.2.0.4 10.2.0.4 RAC	7.1 SP8 (or later) 7.5 SP3 (or later) 8.00	7.5 SP3 (or later) 8.00
11.1.0.6 11.1.0.6 RAC	8.00	8.00

a. PPM Center version 8.00 support includes initial product release and SP1 through SP4. Both 32- and 64-bit platforms are supported.

b. PPM Center version 8.00 support includes initial product release and SP1. Both 32- and 64-bit platforms are supported.

Extensions and Migrators Compatibility

HP Deployment Management Extension for Oracle E-Business Suite

Table 3-7 details the versions of Oracle E-Business Suite that are supported by the various versions of the HP Deployment Management Extension for Oracle E-Business Suite and PPM Center.

Versions that are *not* supported on PPM Center version 8.00 are shown in the lightly shaded areas. Combinations shown in unshaded areas are supported for this version of PPM Center.

Table 3-7. E-Business Suite and HP Deployment Management Extension for Oracle E-Business Suite versions supported on PPM Center (page 1 of 2)

Oracle E-Business Suite Version	Mercury Change Management Extension for Oracle E-Business Suite Version 6.0.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.0.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.1.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.5.0	HP Deployment Management Extension for Oracle E-Business Suite Version 8.0.0
10.7	6.0 ^c	not supported	not supported	not supported	not supported
11–11.5.6	6.0 ^c	7.0	7.1 ^e	7.5	8.00
11.5.7 Application Object Library: FND.E Applications DBA: AD.F Common Modules: AK.D Financials Suite: Family Pack A	6.0 ^c	7.0	7.1 ^e	7.5	8.00
11.5.8 Application Object Library: FND.F Applications DBA: AD.G Common Modules: AK.E Financials Suite: Family Pack C	6.0 ^c	7.0	7.1 ^e	7.5	8.00
11.5.9 ^a Application Object Library: FND.G Applications DBA: AD.H Common Modules: AK.F Financials Suite: Family Pack D	6.0 ^c	7.0	7.1 ^e	7.5	8.00
11.5.10 ^{a, b} Application Object Library: FND.H Applications DBA: AD.I Common Modules: AK.G Financials Suite: Family Pack F	6.0 ^d	7.0	7.1 ^e	7.5	8.00

Table 3-7. E-Business Suite and HP Deployment Management Extension for Oracle E-Business Suite versions supported on PPM Center (page 2 of 2)

Oracle E-Business Suite Version	Mercury Change Management Extension for Oracle E-Business Suite Version 6.0.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.0.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.1.0	HP Deployment Management Extension for Oracle E-Business Suite Version 7.5.0	HP Deployment Management Extension for Oracle E-Business Suite Version 8.0.0
11.5.10.2 (CU2) ^b Application Object Library:FND.H Applications DBA: AD.I.6 Common Modules: AK.G Financials Suite: Family Pack F	6.0 ^d	7.0	7.1 ^e	7.5	8.00
Release 12 12.0.0–12.0.5 Applications Technology: R12.ATG_Pf.A–R12.ATG_Pf.A.DELTA.4 Applications DBA: R12.A–R12.AD.A.DELTA.4	not supported	not supported	7.1 ^f	7.5	8.00

- a. 11.5.8 with the FND.G Mini Pack is functionally equivalent to 11.5.9.
- b. 11.5.8-11.5.9 with the FND.H Mini Pack is functionally equivalent to 11.5.10.
- c. Use of HP Deployment Management Extension for Oracle E-Business Suite 6.0.0 EOESP1 is also supported.
- d. Use of HP Deployment Management Extension for Oracle E-Business Suite 6.0.0 EOESP1 is *required*.
- e. Use of HP Deployment Management Extension for Oracle E-Business Suite 7.1.0 EOESP1 is also supported.
- f. Use of HP Deployment Management Extension for Oracle E-Business Suite 7.1.0 EOESP1 is *required*.

HP Object Migrator and Mercury GL Migrator

Table 3-8 details the versions of Oracle E-Business Suite that are supported by the various versions of the Migrators and the HP Deployment Management Extension for Oracle E-Business Suite.

Versions that are *not* supported on PPM Center version 8.00 are shown in the lightly shaded areas. Combinations shown in unshaded areas are supported for this version of PPM Center.

Table 3-8. Oracle E-Business Suite and HP Migrator versions supported on HP Deployment Management Extension for Oracle E-Business Suite (page 1 of 3)

Oracle E-Business Suite Version	Kintana Object* Migrator Version 5.1	Mercury Object Migrator Version 6.0	HP Object Migrator Version 7.5	Kintana GL* Migrator Version 2.0	Mercury GL Migrator Version 6.0
10.7	6.0.0 ^e	6.0.0 ^e	not supported	6.0.0	6.0.0
11–11.5.1	6.0.0 ^e	6.0.0 ^e	7.1.0 ^g	6.0.0	6.0.0
	7.0.0	7.0.0		7.0.0	7.0.0
	7.1.0	7.1.0	7.5.0	7.1.0	7.1.0
	7.5.0	7.5.0	7.5.0	7.5.0	7.5.0
11.5.2–11.5.6	8.0.0	8.0.0	8.0.0	8.0.0	8.0.0
	6.0.0 ^e	6.0.0 ^e	7.1.0 ^g	not supported	6.0.0
	7.0.0	7.0.0			7.0.0
	7.1.0	7.1.0	7.5.0	7.1.0	7.1.0
7.5.0	7.5.0	7.5.0	7.5.0	7.5.0	
11.5.7 Application Object Library: FND.E Applications DBA: AD.F Common Modules: AK.D Financials Suite: Family Pack A	8.0.0	8.0.0	8.0.0	not supported	8.0.0
	6.0.0 ^e	6.0.0 ^e	7.1.0 ^g	not supported	6.0.0
	7.0.0	7.0.0			7.0.0
	7.1.0	7.1.0	7.5.0	7.1.0	7.1.0
7.5.0	7.5.0	7.5.0	7.5.0	7.5.0	

Table 3-8. Oracle E-Business Suite and HP Migrator versions supported on HP Deployment Management Extension for Oracle E-Business Suite (page 2 of 3)

Oracle E-Business Suite Version	Kintana Object* Migrator Version 5.1	Mercury Object Migrator Version 6.0	HP Object Migrator Version 7.5	Kintana GL* Migrator Version 2.0	Mercury GL Migrator Version 6.0
11.5.8 Application Object Library: FND.F Applications DBA: AD.G Common Modules: AK.E Financials Suite: Family Pack C	6.0.0 ^e	6.0.0 ^e			
	7.0.0	7.0.0	7.1.0 ^g	not supported	7.0.0
	7.1.0	7.1.0 ^g	7.5.0		7.1.0
	7.5.0	7.5.0			7.5.0
	8.0.0	8.0.0	8.0.0	not supported	8.0.0
11.5.9 ^a Application Object Library: FND.G Applications DBA: AD.H Common Modules: AK.F Financials Suite: Family Pack D	6.0.0 ^e	6.0.0 ^e			
	7.0.0	7.0.0	7.1.0 ^g	not supported	7.0.0
	7.1.0	7.1.0 ^g	7.5.0		7.1.0
	7.5.0	7.5.0			7.5.0
	8.0.0	8.0.0	8.0.0	not supported	8.0.0
11.5.10 with FND.H Mini Pack ^{a, b, d} Application Object Library: FND.H Applications DBA: AD.I Common Modules: AK.G Financials Suite: Family Pack F		6.0.0 ^f			
	not supported	7.0.0	7.1.0 ^g	not supported	7.0.0
		7.1.0 ^g	7.5.0		7.0.0
		7.5.0			7.5.0
	not supported	8.0.0	8.0.0	not supported	8.0.0
11.5.10.2 (CU2) ^{c, d} Application Object Library: FND.H Applications DBA: AD.I.6 Common Modules: AK.G Financials Suite: Family Pack F		6.0.0 ^f			
	not supported	7.0.0	7.1.0 ^g	not supported	7.0.0
		7.1.0 ^g	7.5.0		7.1.0
		7.5.0			7.5.0
	not supported	8.0.0	8.0.0	not supported	8.0.0

Table 3-8. Oracle E-Business Suite and HP Migrator versions supported on HP Deployment Management Extension for Oracle E-Business Suite (page 3 of 3)

Oracle E-Business Suite Version	Kintana Object* Migrator Version 5.1	Mercury Object Migrator Version 6.0	HP Object Migrator Version 7.5	Kintana GL* Migrator Version 2.0	Mercury GL Migrator Version 6.0
Release 12 12.0.0–12.0.5 Applications Technology: R12.ATG_Pf.A– R12.ATG_Pf.A.DELTA.4 Applications DBA: R12.A– R12.AD.A.DELTA.4	not supported	not supported	7.1.0 ^h 7.5.0	not supported	not supported
	not supported	not supported	8.0.0	not supported	not supported

- a. 11.5.8 with the FND.G Mini Pack is functionally equivalent to 11.5.9.
- b. 11.5.8-11.5.9 with the FND.H Mini Pack is functionally equivalent to 11.5.10 (for HP Object Migrator).
11.5.8-11.5.9 with the Financials Family Pack F is functionally equivalent to 11.5.10 (for HP GL Migrator).
- c. See the HP Object Migrator Oracle Apps Version 11.5.10.2 Compatibility Patch (#174141) readme for details.
- d. Support for the Oracle Applications E-Business Suite version 11.5.10 with the 10G database version requires installation of patch154770. See the HP Object Migrator Version 6.0 Database version 10G Compatibility Patch (#154770) readme for details.
- e. Use of HP Deployment Management Extension for Oracle E-Business Suite 6.0.0 EOESP1 is also supported.
- f. Use of HP Deployment Management Extension for Oracle E-Business Suite 6.0.0 EOESP1 is *required*.
- g. Use of HP Deployment Management Extension for Oracle E-Business Suite 7.1.0 EOESP1 is also supported.
- h. Use of HP Deployment Management Extension for Oracle E-Business Suite 7.1.0 EOESP1 is *required*.

HP Deployment Management Extension for Oracle Technology

There are no changes in the support for the HP Deployment Management Extension for Oracle Technology in this version of PPM Center. However, the new version of the Extension must be installed after an upgrade.

HP Deployment Management Extension for SAP® Solutions

There are no changes in the supported SAP modules, archives, and platforms in the HP Deployment Management Extension for SAP® Solutions in this version of PPM Center. However, the new version of the Extension must be installed after an upgrade.

Customized Solutions

As with any upgrade, customized solutions are at risk of not functioning exactly as intended once an upgrade is completed. Carefully review your existing customizations before proceeding with the upgrade. It is possible that the new features and functionality provided in this version may have made your customizations obsolete.

Installation and Upgrade Process Enhancements

New Execution Log Files

During installation or upgrade, several log files are now generated and maintained while the script is executing. These are available to assist with troubleshooting in the rare cases where a problem occurs. These log files can be found in the `<PPM_Home>/install_800/logs` or `<PPM_Home>/upgrade_800/logs` directory (where `<PPM_Home>` represents the path where the PPM Center software was installed).

New Prevalidation Step

The upgrade process now includes an optional prevalidation step. Before actually upgrading, an administrator can start the upgrade tool and run just the prevalidation script to determine whether the system is adequately prepared for upgrading.

This step checks for data inconsistencies that might cause the upgrade to fail, or to produce unanticipated results. Once this step is completed, you can quit the upgrade process, examine the results, and take any necessary corrective action. You can then restart the upgrade, which will resume at the step following prevalidation.



HP strongly recommends that you execute the prevalidation step.

If you run prevalidation, one or more reports are created in the `<PPM_Home>/PPM_Upgrade/upgrade_800/logs/reports/html/integrity/validator` directory.

One of the more significant prevalidation checks is the identification of rows in the `KNTA_VALIDATION_SQL_HEADERS` table that contain duplicate entries. To successfully upgrade to this version of PPM Center, you must remove all duplicate entries from the database using the database management tool of your choice.

Another significant prevalidation check is the listing of freestanding budgets and benefits. These entities are not upgraded, but after the upgrade, you can run the `kBudgetBenefitImport.sh` script to create a spreadsheet with the list of freestanding budgets and benefits. Then you use the spreadsheet to assign any of these budgets and benefits to particular requests as needed, and run the script again to create corresponding snapshots of financial summaries for those requests. For details about this procedure, see the *Upgrade Guide*.

Data Model Changes

The section describes the major changes to the data model in this version, as compared to version 7.5. Some changes were introduced in version 7.5 service packs as noted. This section specifically identifies changes made through version 7.5 SP2, but not subsequent service packs.

Tables

Table 3-9 details the changes to tables since PPM Center version 7.5. Some tables have been deleted, some new tables have been introduced, some existing tables have been modified, some tables have been deprecated and are unused in version 8.00, and other tables have been replaced by views.

For implementation of multilingual user interface (MLU) functionality, each database table that supports multiple translations has been split into the following two tables:

- A table for the original data, with `_NLS` appended to the version 7.5 name
- A table for translation data, with `_LOC` appended to the version 7.5 name



Each version 7.5 table has been replaced by an updateable view of the same name, so the existing data model has been preserved and any customer-defined SQL logic will continue to function in version 8.00. The new views are designed to automatically take the user's session language into account when querying the underlying `_NLS` and `_LOC` tables, to retrieve results in the appropriate language.

Table 3-9. Table changes (page 1 of 11)

Table Name	Impact
FM_APPROVED_BUDGETS	Added in 8.00
FM_BENEFIT_LINES	Added in 8.00
FM_BENEFIT_PERIOD_SUM	Added in 8.00
FM_BENEFITS	Added in 8.00
FM_COST_CONTOUR_COMPONENTS	Added in 8.00
FM_COST_CONTOURS	Added in 8.00
FM_CUMULATIVE_COST_BY_WEEK	Added in 8.00
FM_FINANCIAL_LINE_CELLS	Added in 8.00

Table 3-9. Table changes (page 2 of 11)

Table Name	Impact
FM_FINANCIAL_SUMMARY	Added in 8.00
FM_FORECAST_ACTUAL_LINES	Added in 8.00
FM_FORECAST_ACTUAL_PERIOD_SUM	Added in 8.00
FM_FORECAST_ACTUALS	Added in 8.00
FM_SUPPLY_BUDGETS	Added in 8.00
FM_USER_DATA	Added in 8.00
ITG_ACTIVITIES	Replaced by a view of that name in 8.00
ITG_BUNDLED_ITEMS	Added in 8.00
ITG_CALENDAR	Modified in 8.00
ITG_COMPONENTS	Modified in 8.00
ITG_SECURITY_ACES	Modified in 8.00
ITG_SECURITY_GROUP_TRUSTEES	Modified in 8.00
ITG_SETTINGS_ATTRIBUTES	Modified in 8.00
ITG_SETTINGS_CONT_ATTRS	Modified in 8.00
ITG_SETTINGS_CONTAINER_CHLDRN	Modified in 8.00
ITG_SRC_RESTRICTION_ITEMS	Deleted in 8.00
KACC_ACCELERATORS	Replaced by a view of that name in 8.00
KACC_PLUG_TABS	Replaced by a view of that name in 8.00
KCRT_DEFAULTS_MATRIX	Modified in 8.00
KCRT_FG_IMPACT_ANALYSIS	Deprecated in 8.00
KCRT_FG_ANALYSIS_INT	Deprecated in 8.00
KCRT_FG_APPLICATION	Deprecated in 8.00
KCRT_FG_APPLICATION_INT	Deprecated in 8.00

Table 3-9. Table changes (page 3 of 11)

Table Name	Impact
KCRT_FG_CMQC_APP_PROJECT_INT	Modified in 8.00
KCRT_FG_CMQC_PROJ_STATUS_INT	Modified in 8.00
KCRT_FG_CMQC_QC_ADMIN_INT	Modified in 8.00
KCRT_FG_CMQC_QC_INSTANCE_INT	Modified in 8.00
KCRT_FG_CMQC_TEST_PROJECT_INT	Modified in 8.00
KCRT_FG_CMQC_TEST_STATUS_INT	Modified in 8.00
KCRT_FG_PFM_ASSET	Modified in 8.00
KCRT_FG_PFM_ASSET_INT	Modified in 8.00
KCRT_FG_PFM_PROJECT	Modified in 8.00
KCRT_FG_PFM_PROJECT_INT	Modified in 8.00
KCRT_FG_PFM_PROPOSAL	Modified in 8.00
KCRT_FG_PROG_ISSUE	Modified in 8.00
KCRT_FG_PROG_ISSUE_INT	Modified in 8.00
KCRT_FG_PROG_REFERENCE_INT	Modified in 8.00
KCRT_FG_PROG_RESOURCE_REQ	Modified in 8.00
KCRT_FG_PROG_RESOURCE_REQ_INT	Modified in 8.00
KCRT_FG_PROJ_ISSUE	Modified in 8.00
KCRT_FG_PROJ_ISSUE_INT	Modified in 8.00
KCRT_FG_PROJ_RISK	Modified in 8.00
KCRT_FG_PROJ_RISK_INT	Modified in 8.00
KCRT_FG_PROJ_SCOPE_CHANGE	Modified in 8.00
KCRT_FG_PROJ_SCOPE_CHANGE_INT	Modified in 8.00
KCRT_FG_SERVICE_REQUEST	Deleted in 8.00
KCRT_FG_SERVICE_REQUEST_INT	Deleted in 8.00

Table 3-9. Table changes (page 4 of 11)

Table Name	Impact
KCRT_FG_UCMDB	Added in 7.5 SP2
KCRT_FG_UCMDB_INT	Added in 7.5 SP2
KCRT_RBU_TEMP_STEP_IDS	Added in 8.00
KCRT_REQUEST_HEADER_TYPES	Replaced by a view of that name in 8.00
KCRT_REQUEST_TYPES	Replaced by a view of that name in 8.00
KCRT_REQUESTS_INT	Modified in 8.00
KCRT_STATUSES	Replaced by a view of that name in 8.00
KCRT_TABLE_ENTRIES_INT	Modified in 8.00
KCRT_TEMP_BATCH_UPDATE	Added in 8.00
KCST_BENEFIT_ACCESS	Deprecated in 8.00
KCST_BENEFIT_LINE_CELLS	Deprecated in 8.00
KCST_BENEFIT_LINES	Deprecated in 8.00
KCST_BENEFIT_LINKED_ENTITIES	Deprecated in 8.00
KCST_BENEFIT_PERIOD_SUM	Deleted in 8.00
KCST_BENEFIT_TXN_HIST	Deprecated in 8.00
KCST_BENEFITS	Deprecated in 8.00
KCST_BUDGET_ACCESS	Deprecated in 8.00
KCST_BUDGET_LINE_CELLS	Deprecated in 8.00
KCST_BUDGET_LINES	Deprecated in 8.00
KCST_BUDGET_LINKED_ENTITIES	Deprecated in 8.00
KCST_BUDGET_PERIOD_SUM	Deleted in 8.00
KCST_BUDGET_TXN_HIST	Deprecated in 8.00
KCST_BUDGETS	Deprecated in 8.00

Table 3-9. Table changes (page 5 of 11)

Table Name	Impact
KCST_CURRENCIES	Replaced by a view of that name in 8.00
KCST_CURRENCY_CELLS	Deleted in 8.00
KCST_CURRENCY_LINES	Deleted in 8.00
KCST_PENDING_EV_UPDATES_ERR	Modified in 8.00
KDLV_DELETED_PACKAGES	Modified in 8.00
KDLV_PACKAGES_INT	Modified in 8.00
KDLV_PENDING_PACKAGES	Modified in 8.00
KDRV_CALENDAR_EXCEPTIONS	Modified in 8.00
KDRV_CALENDAR_SETUPS	Modified in 8.00
KDRV_ROLLUP_METHODS	Modified in 8.00
KDRV_ROLLUP_SETUPS	Modified in 8.00
KDRV_STATES	Replaced by a view of that name in 8.00
KDRV_WORKING_DAYS	Modified in 8.00
KDSH_DATA_SOURCES	Replaced by a view of that name in 8.00
KENV_HOST_CLASSES	Replaced by a view of that name in 8.00
KNTA_ACCESS_GRANTS	Replaced by a view of that name in 8.00
KNTA_ENTITIES	Replaced by a view of that name in 8.00
KNTA_ENTITY_GROUPS	Replaced by a view of that name in 8.00
KNTA_ENTITY_TOKENS	Replaced by a view of that name in 8.00

Table 3-9. Table changes (page 6 of 11)

Table Name	Impact
KNTA_EXCEPTION_RULE_TYPES	Replaced by a view of that name in 8.00
KNTA_EXCEPTION_RULES	Replaced by a view of that name in 8.00
KNTA_FIELD_GROUPS	Replaced by a view of that name in 8.00
KNTA_HELP_CONTENTS	Replaced by a view of that name in 8.00
KNTA_I18N_RESOURCES	Replaced by a view of that name in 8.00
KNTA_LANGUAGES	Modified in 8.00
KNTA_LOOKUPS	Replaced by a view of that name in 8.00
KNTA_MESSAGE_TYPES	Replaced by a view of that name in 8.00
KNTA_MESSAGES	Replaced by a view of that name in 8.00
KNTA_NOTIFICATION_INTERVALS	Replaced by a view of that name in 8.00
KNTA_NOTIFICATIONS	Replaced by a view of that name in 8.00
KNTA_PAGE_PORTLET_TYPES	Modified in 8.00
KNTA_PAGES	Replaced by a view of that name in 8.00
KNTA_PARAMETER_SET_CONTEXTS	Modified in 8.00
KNTA_PARAMETER_SET_FIELDS	Replaced by a view of that name in 8.00
KNTA_PARAMETER_SETS	Replaced by a view of that name in 8.00
KNTA_PENDING_API_CHANGES	Modified in 8.00

Table 3-9. Table changes (page 7 of 11)

Table Name	Impact
KNTA_PERIOD_GROUPS	Deleted in 8.00
KNTA_PERIOD_TYPES	Replaced by a view of that name in 8.00
KNTA_PERIODS	Deleted in 8.00
KNTA_PRODUCTS	Replaced by a view of that name in 8.00
KNTA_REF_RELATIONSHIPS	Replaced by a view of that name in 8.00
KNTA_REGIONS	Replaced by a view of that name in 8.00
KNTA_REPORT_SUBMISSIONS	Modified in 8.00
KNTA_REPORT_TYPES	Replaced by a view of that name in 8.00
KNTA_SCREENS	Replaced by a view of that name in 8.00
KNTA_SECTIONS	Replaced by a view of that name in 8.00
KNTA_SECURITY_GROUPS	Replaced by a view of that name in 8.00
KNTA_SERVER_PARAMETER_DEFAULTS	Replaced by a view of that name in 8.00
KNTA_SERVER_PARAMETERS	Replaced by a view of that name in 8.00
KNTA_SERVICES	Replaced by a view of that name in 8.00
KNTA_UCMDB_CI_ENTRIES	Added in 7.5 SP2
KNTA_UCMDB_CI_SETS	Added in 7.5 SP2
KNTA_UPGRADE_RECORDS	Added in 8.00
KNTA_USER_REGIONAL_SETTINGS	Modified in 8.00

Table 3-9. Table changes (page 8 of 11)

Table Name	Impact
KNTA_USER_SECURITY_INT	Modified in 8.00
KNTA_USERS	Modified in 8.00
KNTA_USERS_INT	Modified in 8.00
KNTA_VALIDATION_PROFILES	Replaced by a view of that name in 8.00
KNTA_VALIDATION_SQL_HEADERS	Replaced by a view of that name in 8.00
KNTA_VALIDATIONS	Replaced by a view of that name in 8.00
KPFM_SCORE_CRITERIA	Replaced by a view of that name in 8.00
KPFM_SCORE_DOMAINS	Replaced by a view of that name in 8.00
KPFM_SCORE_SELECTIONS	Replaced by a view of that name in 8.00
KPMO_BUSINESS_OBJECTIVES	Replaced by a view of that name in 8.00
KRSC_ORG_UNIT_MEMBERS	Modified in 8.00
KRSC_ORG_UNIT_MEMBERS_INT	Modified in 8.00
KRSC_ORG_UNITS	Replaced by a view of that name in 8.00
KRSC_ORG_UNITS_INT	Modified in 8.00
KTMG_CHARGE_CODES	Replaced by a view of that name in 8.00
KTMG_OVERRIDE_RULES	Modified in 8.00
KTMG_PERIOD_TYPES	Replaced by a view of that name in 8.00
KTMG_PERIODS	Modified in 8.00

Table 3-9. Table changes (page 9 of 11)

Table Name	Impact
KTMG_POLICIES	Modified in 8.00
KTMG_WI_ACTUAL_SUM	Added in 8.00
KTMG_WORK_ALLOC_RES_ACCESS	Modified in 8.00
KTMG_WORK_ALLOCATIONS	Modified in 8.00
KWFL_APPROVALS	Replaced by a view of that name in 8.00
KWFL_EXECUTIONS	Replaced by a view of that name in 8.00
KWFL_PENDING_EXEC_CALLBACKS	Modified in 8.00
KWFL_STEP_TRANSACTIONS	Modified in 8.00
KWFL_STEP_TRANSITIONS	Replaced by a view of that name in 8.00
KWFL_TRANSACTIONS_INT	Modified in 8.00
KWFL_TRANSITION_TRANSACTIONS	Modified in 8.00
KWFL_WORKFLOW_INSTANCES	Modified in 8.00
KWFL_WORKFLOW_PARAMETERS	Replaced by a view of that name in 8.00
KWFL_WORKFLOW_STEPS	Replaced by a view of that name in 8.00
KWFL_WORKFLOWS	Replaced by a view of that name in 8.00
LONGTAB	Added in 8.00
PFM_LIFECYCLE_PARENT_ENTITY	Added in 8.00
PLSQL_BLOCK_TEST	Added in 8.00
PM_EXCEPTION_RULE_RESULTS	Modified in 8.00
PM_PROJECT_TYPES	Modified in 8.00
PM_PROJECTS	Modified in 8.00

Table 3-9. Table changes (page 10 of 11)

Table Name	Impact
PM_PROJECTS_CONTAINERS	Modified in 8.00
PM_TASK_NS_EXCEPTION_GROUPS	Modified in 8.00
PM_TASK_NS_EXCEPTION_RSCS	Modified in 8.00
PM_TASK_NS_EXCP_PARTICIPANTS	Modified in 8.00
PM_TASK_NS_LATE_GROUPS	Modified in 8.00
PM_TASK_NS_LATE_PARTICIPANTS	Modified in 8.00
PM_TASK_NS_LATE_RSCS	Modified in 8.00
PM_TASK_NS_MILESTONE_GROUPS	Modified in 8.00
PM_TASK_NS_MILESTONE_RSCS	Modified in 8.00
PM_TASK_NS_MS_PARTICIPANTS	Modified in 8.00
PPM_MESSAGE_ITEM	Modified in 8.00
PPM_MY_LINKS	Added in 8.00
PPM_NOTIFICATION_DETAILS	Modified in 8.00
PPM_NOTIFICATION_RULE_RESULTS	Modified in 8.00
PPM_PERFORMANCE_LOG	Added in 7.5 SP2
PPM_RESOURCE_SECURITY	Modified in 8.00
PPM_RESOURCE_SETTINGS	Modified in 8.00
PPM_SERVER_INSTANCE	Added in 8.00
PPM_SERVICE_JOB_STATUS	Added in 8.00
RC_TEMP_TABLE	Added in 8.00
RSC_POSITION_FORECAST	Added in 8.00
RSC_POSITIONS	Modified in 8.00
RSC_RESOURCE_ASSIGNMENTS	Modified in 8.00
RSC_RESOURCE_POOLS	Modified in 8.00

Table 3-9. Table changes (page 11 of 11)

Table Name	Impact
RSC_ROLES	Replaced by a view of that name in 8.00
RSC_RP_NOTIFICATION_SETUPS	Modified in 8.00
RSC_SKILLS	Replaced by a view of that name in 8.00
RSC_SP_NOTIFICATION_SETUPS	Modified in 8.00
RSC_STAFF_PROF_ALLOCATION	Added in 8.00
RSC_STAFFING_PROFILES	Modified in 8.00
SDI\SDI_SUMMARY_LOGS	Modified in 8.00
TEMP_TBL1	Added in 8.00
TEMP_UTIL_SOURCE	Added in 8.00
TM_PENDING_APPROVERS_EVALS	Modified in 8.00
TM_TIME_SHEET_LINES	Modified in 8.00
TM_TIME_SHEETS	Modified in 8.00
TM_WORK_UNITS	Modified in 8.00
VALIDATION_ERRORS	Modified in 8.00
WP_NOTIFICATION_DETAILS	Modified in 8.00
WP_TASKS	Modified in 8.00
WP_TASKS_COSTS	Modified in 8.00

Views

Table 3-10 lists the views that have been changed, added, or removed since PPM Center version 7.5.

Table 3-10. View changes (page 1 of 12)

View Name	Impact
ITG_ACTIVITIES	Replaces a 7.5 table of that name, and is modified, in 8.00
KACC_ACCELERATORS	Replaces a 7.5 table of that name, and is modified, in 8.00
KACC_PLUG_TABS	Replaces a 7.5 table of that name, and is modified, in 8.00
KCRT_FIELD_DEPENDENCIES_MIGE_V	Modified in 8.00
KCRT_FIELD_GROUP_DETAILS_V	Modified in 7.5 SP2
KCRT_REQ_HDR_TYPES_MIGE_V	Modified in 8.00
KCRT_REQ_HDR_TYPES_MIGS_V	Modified in 8.00
KCRT_REQ_TYPE_SECURITY_MIGE_V	Modified in 8.00
KCRT_REQ_TYPE_STATUSES_MIGE_V	Modified in 8.00
KCRT_REQUEST_HEADER_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KCRT_REQUEST_HEADER_TYPES_V	Modified in 8.00
KCRT_REQUEST_SUB_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KCRT_REQUEST_SUB_TYPES_MIGE_V	Modified in 8.00
KCRT_REQUEST_TYPE_STATUSES_V	Modified in 8.00
KCRT_REQUEST_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KCRT_REQUEST_TYPES_MIGE_V	Modified in 8.00
KCRT_REQUEST_TYPES_MIGS_V	Modified in 8.00
KCRT_REQUEST_TYPES_V	Modified in 8.00

Table 3-10. View changes (page 2 of 12)

View Name	Impact
KCRT_REQUEST_TYPES1_MIGD_V	Modified in 8.00
KCRT_REQUEST_TYPES2_MIGD_V	Modified in 8.00
KCRT_REQUEST_TYPES3_MIGD_V	Modified in 8.00
KCRT_REQUEST_TYPES4_MIGD_V	Modified in 8.00
KCRT_REQUEST_TYPES5_MIGD_V	Modified in 8.00
KCRT_STATUSES	Replaces a 7.5 table of that name, and is modified, in 8.00
KCRT_STATUSES_MIGE_V	Modified in 8.00
KCRT_STATUSES_MIGS_V	Modified in 8.00
KCST_BENEFIT_ACCESS_V	Deleted in 8.00
KCST_BENEFIT_L_CELLS_PRE60_V	Deleted in 8.00
KCST_BENEFIT_LINE_CELLS_V	Deleted in 8.00
KCST_BENEFIT_LINES_V	Deleted in 8.00
KCST_BENEFIT_LINKED_ENTITIES_V	Deleted in 8.00
KCST_BENEFIT_PERIOD_SUM	Added in 8.00
KCST_BENEFITS_V	Deleted in 8.00
KCST_BGT_SEARCH_QRT_TOTAL_V	Deleted in 8.00
KCST_BUDGET_GRP_PLAN_ACTUAL_V	Deleted in 8.00
KCST_BUDGET_LINE_CELLS_PRE60_V	Deleted in 8.00
KCST_BUDGET_LINES_V	Deleted in 8.00
KCST_BUDGET_PERIOD_SUM	Added in 8.00
KCST_BUDGET_PERIOD_TOTALS_V	Deleted in 8.00
KCST_BUDGET_PLAN_ACTUAL_V	Deleted in 8.00
KCST_BUDGET_PROJECT_PLANS_V	Deleted in 8.00
KCST_BUDGET_SEARCH_V	Deleted in 8.00

Table 3-10. View changes (page 3 of 12)

View Name	Impact
KCST_BUDGETS_V	Deleted in 8.00
KCST_CUR_PROG_COST_METRICS_V	Modified in 8.00
KCST_CURRENCIES	Replaces a 7.5 table of that name, and is modified, in 8.00
KCST_CURRENCY_CELLS	Added in 8.00
KCST_CURRENCY_LINES	Added in 8.00
KCST_FX_RATES	Modified in 8.00
KCST_PROJ_CUMULATIVE_CM_V	Deleted in 8.00
KCST_USER_BENEFIT_ACCESS_V	Deleted in 8.00
KCST_USER_BUDGET_ACCESS_V	Modified in 8.00
KDEM_DEFAULT_DEMAND_SET_V	Deleted in 8.00
KDEM_DS_30001_V	Deleted in 8.00
KDLV_OBJECT_TYPES_MIGE_V	Modified in 8.00
KDLV_OBJECT_TYPES_MIGS_V	Modified in 8.00
KDLV_WORKFLOW_EXTN_MIGE_V	Modified in 8.00
KDRV_PROJECT_BUDGET_COSTS_V	Modified in 8.00
KDRV_STATES	Replaces a 7.5 table of that name, and is modified, in 8.00
KDSH_DATA_SOURCE_FLTRS_MIGE_V	Modified in 8.00
KDSH_DATA_SOURCES	Replaces a 7.5 table of that name in 8.00
KDSH_DATA_SOURCES_MIGE_V	Modified in 8.00
KDSH_DATA_SOURCES_MIGS_V	Modified in 8.00
KDSH_MODULES_MIGS_V	Modified in 8.00
KDSH_PORTLET_DEFS_MIGS_V	Modified in 8.00
KENV_ENV_GROUPS_MIGE_V	Modified in 8.00

Table 3-10. View changes (page 4 of 12)

View Name	Impact
KENV_ENV_GROUPS_MIGS_V	Modified in 8.00
KENV_ENV_GROUPS1_MIGD_V	Modified in 8.00
KENV_ENV_GROUPS2_MIGD_V	Modified in 8.00
KENV_ENVIRONMENTS_MIGE_V	Modified in 8.00
KENV_ENVIRONMENTS_MIGS_V	Modified in 8.00
KENV_HOST_CLASSES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_ACCESS_GRANTS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_COMMAND_STEPS_MIGE_V	Modified in 8.00
KNTA_COMMANDS_MIGD_V	Modified in 8.00
KNTA_COMMANDS_MIGE_V	Modified in 8.00
KNTA_DATA_SOURCES	Replaces a 7.5 table of that name in 8.00
KNTA_ENTITIES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_ENTITY_GROUPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_ENTITY_SECURITY_MIGD_V	Modified in 8.00
KNTA_ENTITY_SECURITY_MIGE_V	Modified in 8.00
KNTA_ENTITY_TOKENS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_EXCEPTION_RULE_TYPES	Replaces a 7.5 table of that name in 8.00
KNTA_EXCEPTION_RULES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_EXCEPTION_RULES_MIGE_V	Modified in 8.00

Table 3-10. View changes (page 5 of 12)

View Name	Impact
KNTA_FIELD_GROUPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_FIELD_SECURITY_MIGD_V	Modified in 8.00
KNTA_FIELD_SECURITY_MIGE_V	Modified in 8.00
KNTA_FIELD_SECURITY2_MIGD_V	Modified in 8.00
KNTA_HELP_CONTENTS	Replaces a 7.5 table of that name in 8.00
KNTA_HELP_CONTENTS_MIGE_V	Modified in 8.00
KNTA_HELP_CONTENTS_V	Modified in 8.00
KNTA_I18N_RESOURCES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_LOOKUPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_LOOKUPS_MIGE_V	Modified in 8.00
KNTA_MESSAGE_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_MESSAGES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_NOTIF_COLUMNS_MIGE_V	Modified in 8.00
KNTA_NOTIF_INTERVALS_MIGE_V	Modified in 8.00
KNTA_NOTIF_INTERVALS_MIGS_V	Modified in 8.00
KNTA_NOTIF_RECIPIENTS_MIGE_V	Modified in 8.00
KNTA_NOTIFICATION_INTERVALS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_NOTIFICATIONS	Replaces a 7.5 table of that name in 8.00
KNTA_NOTIFICATIONS_MIGE_V	Modified in 8.00
KNTA_NOTIFICATIONS_V	Modified in 8.00

Table 3-10. View changes (page 6 of 12)

View Name	Impact
KNTA_NOTIFICATIONS1_MIGD_V	Modified in 8.00
KNTA_NOTIFICATIONS2_MIGD_V	Modified in 8.00
KNTA_NOTIFICATIONS5_MIGD_V	Modified in 8.00
KNTA_NOTIFICATIONS6_MIGD_V	Modified in 8.00
KNTA_PAGE_PORTLET_TYPES_MIGE_V	Modified in 8.00
KNTA_PAGES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_PARAM_RULE_DEPEND_MIGE_V	Modified in 8.00
KNTA_PARAM_RULE_RESULTS_MIGE_V	Modified in 8.00
KNTA_PARAM_RULES_MIGD_V	Modified in 8.00
KNTA_PARAM_RULES_MIGE_V	Modified in 8.00
KNTA_PARAM_SET_CONTEXT2_MIGD_V	Modified in 8.00
KNTA_PARAM_SET_CONTEXTS_MIGD_V	Modified in 8.00
KNTA_PARAM_SET_CONTEXTS_MIGE_V	Modified in 8.00
KNTA_PARAM_SET_FIELDS	Added in 8.00
KNTA_PARAM_SET_FIELDS_MIGE_V	Modified in 8.00
KNTA_PARAMETER_SET_FIELDS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_PARAMETER_SET_FIELDS_V	Modified in 8.00
KNTA_PARAMETER_SETS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_PENDING_REPORTS_V	Modified in 8.00
KNTA_PERIOD_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_PORTLET_TYP_FLTRS_MIGE_V	Modified in 8.00
KNTA_PORTLET_TYPE_SEC_MIGE_V	Modified in 8.00

Table 3-10. View changes (page 7 of 12)

View Name	Impact
KNTA_PORTLET_TYPES_MIGS_V	Modified in 8.00
KNTA_PORTLET_TYPES1_MIGD_V	Modified in 8.00
KNTA_PRODUCTS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_REF_RELATIONSHIPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_REGIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_REPORT_SUBMISSIONS_V	Modified in 8.00
KNTA_REPORT_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_REPORT_TYPES_MIGE_V	Modified in 8.00
KNTA_REPORT_TYPES_MIGS_V	Modified in 8.00
KNTA_REPORT_TYPES_V	Modified in 8.00
KNTA_RESTRICT_RQT_WF_MIGE_V	Modified in 8.00
KNTA_RESTRICT_RT_SG_MIGD_V	Modified in 8.00
KNTA_RESTRICT_RT_SG_MIGE_V	Modified in 8.00
KNTA_RESTRICT_SG_RQT_MIGE_V	Modified in 8.00
KNTA_RESTRICT_SG_WF_MIGE_V	Modified in 8.00
KNTA_RESTRICT_WF_CRT_MIGE_V	Modified in 8.00
KNTA_RESTRICT_WF_OBJ_MIGE_V	Modified in 8.00
KNTA_RESTRICT_WF_WF_MIGE_V	Modified in 8.00
KNTA_RESTRICTIONS_MIGE_V	Modified in 8.00
KNTA_RESTRICTIONS2_MIGE_V	Modified in 8.00
KNTA_SCREENINGS	Replaces a 7.5 table of that name, and is modified, in 8.00

Table 3-10. View changes (page 8 of 12)

View Name	Impact
KNTA_SECTION_LAYOUTS_MIGE_V	Modified in 8.00
KNTA_SECTIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_SECTIONS_MIGE_V	Modified in 8.00
KNTA_SECURITY_GROUPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_SECURITY_GROUPS_MIGE_V	Modified in 8.00
KNTA_SECURITY_GROUPS_MIGS_V	Modified in 8.00
KNTA_SECURITY_GROUPS_V	Modified in 8.00
KNTA_SERVER_PARAMETER_DEFAULTS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_SERVER_PARAMETERS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_SERVICES	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_SPECIAL_CMD_PARAMS_MIGE_V	Modified in 8.00
KNTA_SPECIAL_CMD_TYPES_MIGE_V	Modified in 8.00
KNTA_SPECIAL_CMD_TYPES_MIGS_V	Modified in 8.00
KNTA_USER_DATA_CONTEXTS_MIGS_V	Modified in 8.00
KNTA_USER_DATA_DEP_MIGD_V	Modified in 8.00
KNTA_USER_DATA_SETS_MIGE_V	Modified in 8.00
KNTA_USER_DATA_V	Modified in 8.00
KNTA_USERS_V	Modified in 8.00
KNTA_VAL_SQL_HEADERS_MIGE_V	Modified in 8.00
KNTA_VALIDATION_PROFILES	Replaces a 7.5 table of that name, and is modified, in 8.00

Table 3-10. View changes (page 9 of 12)

View Name	Impact
KNTA_VALIDATION_SQL_HEADERS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_VALIDATIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KNTA_VALIDATIONS_FILTERS_MIGE_V	Modified in 8.00
KNTA_VALIDATIONS_MIGE_V	Modified in 8.00
KNTA_VALIDATIONS_MIGS_V	Modified in 8.00
KNTA_VALIDATIONS_V	Modified in 8.00
KNTA_VALIDATIONS1_MIGD_V	Modified in 8.00
KPFM_PROJECT_CAP_PORTLETS_V	Modified in 8.00
KPFM_SCENARIO_COMPARISONS_V	Modified in 8.00
KPFM_SCENARIO_CONTENTS_PFM_V	Modified in 8.00
KPFM_SCENARIO_GANTT_V	Modified in 8.00
KPFM_SCORE_CRITERIA	Replaces a 7.5 table of that name, and is modified, in 8.00
KPFM_SCORE_DOMAINS	Replaces a 7.5 table of that name, and is modified, in 8.00
KPFM_SCORE_SELECTIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KPFM_SCORING_KEYS_V	Modified in 8.00
KPMO_BUSINESS_OBJECTIVES	Replaces a 7.5 table of that name, and is modified, in 8.00
KPMO_BUSINESS_OBJECTIVES_V	Modified in 8.00
KPMO_PROGRAM_BUDGET_COSTS_V	Modified in 8.00
KRSC_ORG_UNITS	Replaces a 7.5 table of that name, and is modified, in 8.00
KRSC_ORG_UNITS_V	Modified in 8.00

Table 3-10. View changes (page 10 of 12)

View Name	Impact
KRSC_STAFF_PROF_PERIOD_V	Modified in 8.00
KRSC_STAFF_PROFS	Modified in 8.00
KRSC_STAFF_PROFS_V	Modified in 8.00
KRSC_WORK_ITEMS_BY_USER_V	Modified in 8.00
KTMG_CHARGE_CODES	Replaces a 7.5 table of that name, and is modified, in 8.00
KTMG_CHARGE_CODES_V	Modified in 8.00
KTMG_MY_WORK_ITEMS_PORT_PERF_V	Added in 8.00
KTMG_PERIOD_TYPES	Replaces a 7.5 table of that name, and is modified, in 8.00
KTMG_RES_GROUP_HR_PORT_PERF_V	Added in 8.00
KTMG_TIME_SHEET_LINES_V	Modified in 7.5 SP2
KTMG_TIME_SHEET_STATUS_TXN_V	Deleted in 8.00
KTMG_WORK_ITEM_HR_PORT_PERF_V	Added in 8.00
KWFL_APPROVALS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_APPROVALS_MIGE_V	Modified in 8.00
KWFL_APPROVALS_MIGS_V	Modified in 8.00
KWFL_APPROVALS_V	Modified in 8.00
KWFL_APPROVALS1_MIGD_V	Modified in 8.00
KWFL_EXECUTIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_EXECUTIONS_MIGE_V	Modified in 8.00
KWFL_EXECUTIONS_MIGS_V	Modified in 8.00
KWFL_EXECUTIONS_V	Modified in 8.00
KWFL_EXECUTIONS1_MIGD_V	Modified in 8.00

Table 3-10. View changes (page 11 of 12)

View Name	Impact
KWFL_STEP_TRANSITIONS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_STEP_TRANSITIONS_MIGE_V	Modified in 8.00
KWFL_WORKFLOW_PARAMETERS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_WORKFLOW_PARAMS_MIGE_V	Modified in 8.00
KWFL_WORKFLOW_STEP_SEC_MIGE_V	Modified in 8.00
KWFL_WORKFLOW_STEPS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_WORKFLOW_STEPS_MIGE_V	Modified in 8.00
KWFL_WORKFLOW_STEPS_V	Modified in 8.00
KWFL_WORKFLOWS	Replaces a 7.5 table of that name, and is modified, in 8.00
KWFL_WORKFLOWS_MIGE_V	Modified in 8.00
KWFL_WORKFLOWS_MIGS_V	Modified in 8.00
KWFL_WORKFLOWS_V	Modified in 8.00
PM_PROJECT_LIST_V	Modified in 8.00
PM_PROJECT_TIMELINES_PORTLET_V	Deleted in 8.00
PM_PROJECT_TYPES_MIGE_V	Modified in 8.00
PM_PROJECT_TYPES_MIGS_V	Modified in 8.00
PM_PROJECT_TYPES1_MIGD_V	Modified in 8.00
PM_PROJECT_TYPES2_MIGD_V	Modified in 8.00
PM_PT_SGENTITY_MIGE_V	Modified in 8.00
PM_TASK_NS_EXCP_GROUPS_MIGE_V	Modified in 8.00
PM_TASK_NS_LATE_GROUPS_MIGE_V	Modified in 8.00
PM_TASK_NS_MILE_GROUPS_MIGE_V	Modified in 8.00

Table 3-10. View changes (page 12 of 12)

View Name	Impact
PM_TASK_SECURED_FIELDS_V	Added in 7.5 SP2
PM_TASK_SKILL_MIGE_V	Modified in 8.00
PM_TASK_TEMP_FLS_CHECK_V	Added in 7.5 SP2
PM_TASK_TEMP_FLS_EDIT_CHK_V	Added in 7.5 SP2
PM_TASKS_MIGE_V	Modified in 8.00
PM_TEMP_SGENTITY_MIGE_V	Modified in 8.00
PM_WORK_PLANS_MIGE_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES_MIGE_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES_MIGS_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES1_MIGD_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES2_MIGD_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES3_MIGD_V	Modified in 8.00
PM_WORKPLAN_TEMPLATES4_MIGD_V	Modified in 8.00
PPM_FISCAL_PERIODS	Added in 8.00
PPM_RESOURCE_SECURITY_MIGE_V	Modified in 8.00
PPM_RESOURCE_SETTINGS_MIGE_V	Modified in 8.00
RSC_ROLES	Replaces a 7.5 table of that name, and is modified, in 8.00
RSC_SKILLS	Replaces a 7.5 table of that name, and is modified, in 8.00
TM_PROJECT_TASKS_LITE_V	Added in 8.00
WP_TASK_INFO_MIGE_V	Modified in 8.00

Entity Changes

The section describes the major changes to the HP-provided entities—access grants, licenses, portlets, report types, request types, special commands, tokens, validations, and workflows—in this version, as compared to version 7.5. Some changes were introduced in version 7.5 service packs as noted. This section specifically identifies changes made through version 7.5 SP2, but not subsequent service packs.

Access Grants

Table 3-11. Access grant changes (page 1 of 2)

Entity Name	Impact
Approve Budgets	Deleted in 8.00
Approve Financial Benefits	Deleted in 8.00
Configure Default Page	Added in 8.00
Create Budgets	Deleted in 8.00
Create Financial Benefits	Deleted in 8.00
Create Program	Deleted in 8.00
Delete Staffing Profiles	Added in 8.00
Delete Staffing Profiles with Actuals	Added in 8.00
Edit All Budgets	Deleted in 8.00
Edit All Financial Benefits	Added in 8.00
Edit Approved Budget	Added in 8.00
Edit Approved Budget on All Financial Summaries	Added in 8.00
Edit Budgets	Deleted in 8.00
Edit Cost Security	Added in 8.00
Edit Cost Security on All Financial Summaries	Added in 8.00
Edit Costs on All Financial Summaries	Added in 8.00

Table 3-11. Access grant changes (page 2 of 2)

Entity Name	Impact
Edit Costs on Financial Summary	Added in 8.00
Edit Financial Benefits	Added in 8.00
Edit Resource Time Mgmt Settings	Deleted in 8.00
Edit Services Schedules	Added in 8.00
Manage Cost Factors	Added in 8.00
Manage Translations	Added in 8.00
Open Workbench	Added in 8.00
Set a Financial Summary Snapshot as the Plan of Record	Added in 8.00
Set Cost Security on All Financial Summaries	Added in 8.00
Set Plan of Record on All Financial Summaries	Added in 8.00
Update Budget Status	Deleted in 8.00
Update Financial Benefit Status	Deleted in 8.00
View All Budgets	Deleted in 8.00
View All Financial Benefits	Added in 8.00
View All Projects	Modified in 8.00
View Budgets	Deleted in 8.00
View Costs on All Financial Summaries	Added in 8.00
View Costs on Financial Summary	Added in 8.00
View Financial Benefits	Added in 8.00
View Services Schedules	Added in 8.00

Licenses

Table 3-12. License changes

Entity Name	Impact
Service Catalog	Deleted in 8.00

Portlets

Table 3-13. Portlet changes

Entity Name	Impact
ALM - Deployed Releases	Added in 8.00
ALM - My Releases	Added in 8.00
ALM - My RFCs	Added in 8.00
ALM - Open Releases	Added in 8.00
ALM - Open RFCs	Added in 8.00
ALM - Releases	Added in 8.00
ALM - Releases By Category	Added in 8.00
ALM - Releases By Type	Added in 8.00
ALM - RFCs By Category	Added in 8.00
ALM - RFCs By Reason for Change	Added in 8.00
ALM - RFCs By Status	Added in 8.00
ALM - RFCs per Release	Added in 8.00
Budget To Budget Comparison	Deleted in 8.00

Report Types

Table 3-14. Report type changes

Entity Name	Impact
ALM - Change Summary Report	Added in 8.00
ALM - Forward Schedule of Releases	Added in 8.00
ALM - Forward Schedule of Releases for RFC	Added in 8.00
ALM - Release Content Report	Added in 8.00
ALM - Release Summary Report	Added in 8.00
Translation Details	Added in 8.00
Translation Summary	Added in 8.00
(REFERENCE) Translation Details	Added in 8.00
(REFERENCE) Translation Summary	Added in 8.00

Request Types

Table 3-15. Request type changes

Entity Name	Impact
ALM - Defect Template with Quality Center Integration	Added in 8.00
ALM - Release Management	Added in 8.00
ALM - Request for Change (RFC)	Added in 8.00
PFM - Asset	Modified in 8.00
PFM - Project	Modified in 8.00
PFM - Proposal	Modified in 8.00

Special Commands

Table 3-16. Special command changes

Entity Name	Impact
ksc_copy_request	Modified in 8.00
ksc_escape_quotes	Added in 8.00
ksc_take_snapshot	Added in 8.00

Tokens

Table 3-17. Token changes

Entity Name	Impact
Submission Language	Added in 8.00

Validations

Table 3-18. Validation changes (page 1 of 5)

Entity Name	Impact
CRT - Request Header Types - User Translatable	Added in 8.00
CRT - Request Types - User Translatable	Added in 8.00
CST - All Unlinked Budgets	Deleted in 8.00
CST - All Unlinked Financial Benefits	Deleted in 8.00
CST - All Unsynced Budgets	Deleted in 8.00
CST - Budget Org Units	Deleted in 8.00
CST - Budget Programs	Deleted in 8.00
CST - Budget Projects	Deleted in 8.00
CST - Financial Benefit	Added in 8.00

Table 3-18. Validation changes (page 2 of 5)

Entity Name	Impact
CST - Financial Data Table	Added in 8.00
CST - Financial Summary	Added in 8.00
CST - Financial Summary Snapshot	Added in 8.00
CST - Parent Org Unit Budgets	Deleted in 8.00
CST - Parent Program Budgets	Deleted in 8.00
CST - Parent Project Budgets	Deleted in 8.00
CST - Specific Entity Linked Budgets	Deleted in 8.00
CST - Unsynced Budgets for project staffing profiles	Deleted in 8.00
Currency Text Field	Modified in 7.5 SP2
Currency Text Field - Allow Blank	Modified in 7.5 SP2
Date Time (Long Format)	Added in 7.5 SP2
Directory Chooser	Added in 7.5 SP1
DSH - Data Sources - All	Added in 8.00
DSH - Data Sources - User Translatable	Added in 8.00
DSH - Performance Report Name	Added in 8.00
DSH - Performance Report Period	Added in 7.5 SP2
DSH - Performance Report Type	Added in 7.5 SP2
DSH - Portlet Definitions	Added in 8.00
DSH Modules - User Translatable	Added in 8.00
DSH Portlet Definitions - User Translatable	Added in 8.00
Financial Benefits Line Category List	Added in 8.00
FM_FISCAL_YEARS	Added in 8.00
ITSM - Service Groups (By name)	Added in 8.00
KCST - Budget Names	Deleted in 8.00

Table 3-18. Validation changes (page 3 of 5)

Entity Name	Impact
KCST - Budget Names - All	Deleted in 8.00
KCST - Existing Org Unit Budgets	Deleted in 8.00
KCST - Existing Program Budgets	Deleted in 8.00
KCST - Existing Projects Budgets	Deleted in 8.00
KCST - Financial Benefit Names	Deleted in 8.00
KCST - Financial Benefit Names - All	Deleted in 8.00
KCST - New Org Unit Budgets	Deleted in 8.00
KCST - New Program Budgets	Deleted in 8.00
KCST - New Projects Budgets	Deleted in 8.00
Languages	Added in 8.00
PFM - Assets without budget	Deleted in 8.00
PFM - Assets without financial benefit	Deleted in 8.00
PFM - Projects without budget	Deleted in 8.00
PFM - Projects without financial benefit	Deleted in 8.00
PFM - Proposals without budget	Deleted in 8.00
PFM - Proposals without financial benefit	Deleted in 8.00
PFM - Scen Comp Request Types	Added in 8.00
PFM - Unlinked Budgets	Deleted in 8.00
PFM - Unlinked Financial Benefits	Deleted in 8.00
PM - Projects (Restricted)	Modified in 7.5 SP2
PPM - Activity Id - ALL	Added in 8.00
PPM - Budgets	Deleted in 8.00
PPM - Budgets - All	Deleted in 8.00
PPM - Financial Benefits	Deleted in 8.00

Table 3-18. Validation changes (page 4 of 5)

Entity Name	Impact
PPM - Financial Benefits - All	Deleted in 8.00
PPM - Report Type Id	Added in 8.00
PPM - Report Types - User Translatable	Added in 8.00
PPM - Security Group Id - User Translatable	Added in 8.00
PPM - Table Comp UI Results Fields	Added in 8.00
PPM - User Data Id - ALL	Added in 8.00
PPM - User Data Validations (without Attachment and Password) - Enabled	Added in 8.00
PPM - Validations - User Translatable	Added in 8.00
RM - Resource Pools enabled list	Added in 8.00
RPT - Request Statuses - User Translatable	Added in 8.00
RSC - All Named Resources	Added in 8.00
RSC - Enabled Resource Pools	Added in 8.00
RSC - Flexible Period Types	Deleted in 8.00
RSC - Resource Pools - disable option(restricted)	Added in 8.00
RSC - Resource Pools (not restricted)	Modified in 7.5 SP2
RSC - Resource Pools (not restricted) - Enabled	Added in 8.00
RSC - Staffing Profile Id - Managed By Me	Added in 7.5 SP2
SLM Services (By Name)	Deleted in 8.00
TM - Time Sheet Line Statuses Restricted	Added in 7.5 SP2
TMG - Work Allocations - Project Work Items	Added in 8.00
TM-enabled projects with active work plans plus manager search	Added in 8.00
WF - Decisions - User Translatable	Added in 8.00

Table 3-18. Validation changes (page 5 of 5)

Entity Name	Impact
WF - Executions - User Translatable	Added in 8.00
WF - Workflow Id - User Translatable	Added in 8.00

Workflows

Table 3-19. Workflow changes

Entity Name	Impact
ALM - Change Migration	Added in 8.00
ALM - Change Review and Approval Sub WF	Added in 8.00
ALM - Defect Template with Quality Center Integration	Added in 8.00
ALM - Deploy and Test Changes Sub WF	Added in 8.00
ALM - Impact & Resource Assessment Sub WF	Added in 8.00
ALM - Infrastructure Changes Sub WF	Added in 8.00
ALM - Non Release Sub WF	Added in 8.00
ALM - Plan Tests Sub WF	Added in 8.00
ALM - Release Distribution	Added in 8.00
ALM - Release Distribution Sub WF	Added in 8.00
ALM - Release Request	Added in 8.00
ALM - Release Sub WF	Added in 8.00
ALM - Request For Change	Added in 8.00
ALM - Request For Change (RFC) Standard Sub WF	Added in 8.00
ALM - RFC - Urgent Change Management Sub WF	Added in 8.00
PFM - Project	Modified in 8.00
PFM - Proposal	Modified in 8.00

4 System Requirements and Configuration Updates

Overview of System Modifications

This chapter highlights the system software and configuration changes for this version of PPM Center.

Some changes were introduced in version 7.5 service packs and these are noted as well. Service pack changes are included through SP3 only—changes made in subsequent service packs are not specified.



See the *System Requirements and Compatibility Matrix* for details specific to the platforms environments.

Enabling the Oracle JVM

PPM Center version 8.00 uses Java Stored Procedures in Oracle. This enables you to call Java code from Procedural Language/Structured Query Language (PL/SQL). To successfully install PPM Center version 8.00 and to use this feature, you must make sure that the Oracle Java virtual machine (JVM) is installed and configured on your system. For details, see the *Installation and Administration Guide*.

server.conf File Changes

The section describes the changes to the `server.conf` file in this version. Some parameters were introduced in version 7.5 service packs and the particular service pack is indicated in brackets after the parameter name.

Additions and Modifications

The following `server.conf` file parameters have been added in this version or the goal of the parameter was modified (for example, the parameter is used for a different purpose or the allowable values have changed).



There are over 250 other new parameters that have not been included in [Table 4-1](#). Many, but not all, of these are related to multi-language support.

See the *Installation and Administration Guide* for details about these parameters.

Table 4-1. New or modified `server.conf` parameters (page 1 of 7)

Parameter Name	Brief Description
AAL_PORTLET_MAX_RESOURCES [7.5 SP3]	Sets the maximum number of resources that can be displayed in the Analyze Assignment Load portlet.
APP_SERVER_HAJNDI_BINDING_PORT	Sets the JBoss HAJNDI binding port.
APP_SERVER_HAJNDI_RMI_PORT	Sets the JBoss HAJNDI RMI port.
APP_SERVER_JMX_RMI_PORT	Sets the JBoss JMX RMI port.
APP_SERVER_JRMP_INVOKER_RMI_PORT	Sets the JBoss JRMP invoker RMI port.
APP_SERVER_NAMING_SERVICE_BINDING_PORT	Sets the JBoss naming service binding port.
APP_SERVER_NAMING_SERVICE_RMI_PORT	Sets the JBoss naming service RMI port.

Table 4-1. New or modified server.conf parameters (page 2 of 7)

Parameter Name	Brief Description
APP_SERVER_POOLED_INVOKER_BINDING_PORT	Sets the JBoss pooled invoker binding port.
APP_SERVER_POOLEDHA_BINDING_PORT	Sets the JBoss PooledHA binding port.
APP_SERVER_UI2_BINDING_PORT	Sets the JBoss UIL2 binding port.
APP_SERVER_WEBSERVICE_PORT	Sets the JBoss Web service port.
ARP_MAX_RESOURCE_POOLS [7.5 SP3]	Sets the maximum number of resource pools that can be displayed in the Analyze Resource Pool portlet.
ARP_MAX_RESOURCES [7.5 SP3]	Sets the maximum number of resources that can be displayed in the Analyze Resource Pool portlet.
BACKGROUND_SERVICE_MONITOR_THRESHOLD	Sets the threshold value for background service monitoring.
BIND_RMI_TO_ALL_IPS [7.5 SP1]	Enables the RMI socket (used for the PPM Workbench) to all available network interfaces.
ENABLE_BACKGROUND_SERVICE_MONITOR	Indicates whether or not to enable background service monitoring.
ENABLE_SSL_LOGIN	Indicates whether or not to enable SSL logon.
ENABLE_UI_MONITOR	Indicates whether or not to enable UI monitoring.
EV_ALLOW_PRORATING [7.5 SP2]	Determines how Earned Value is calculated.
FS_QUEUE_CONCURRENT_CONSUMERS	Sets the initial number of concurrent instances of the Financial Summary service.
FS_QUEUE_MAX_CONCURRENT_CONSUMERS	Sets the maximum number of concurrent instances of the Financial Summary service.

Table 4-1. New or modified server.conf parameters (page 3 of 7)

Parameter Name	Brief Description
HEAVY_QUEUE_CONCURRENT_CONSUMERS	Sets the number of listeners, per node, to execute heavyweight background services.
HEAVY_QUEUE_MAX_CONCURRENT_CONSUMERS	Sets the maximum number of listeners, per node, to execute heavyweight background services.
HEAVY_QUEUE_MAX_DEPTH	Sets the maximum depth of the heavy services queue.
HEAVY_QUEUE_REDELIVERY_DELAY	Sets the message redelivery delay.
HEAVY_QUEUE_REDELIVERY_LIMIT	Sets how many times the message will be redelivered to the queue.
HISTORY_MENU_SIZE	Sets the number of link recorded in the History menu.
HTTPS_KEYPASSWORD	Specifies the encrypted keystore password.
HTTPS_KEYSTORE_LOCATION	Specifies the full path name of the keystore file.
HTTPS_PORT	Sets the HTTPS port to use for SSL logon.
HTTPS_WEB_THREAD_MAX	Sets the maximum number of HTTPS threads.
HTTPS_WEB_THREAD_MIN	Sets the minimum number of HTTPS threads.
LIGHT_QUEUE_CONCURRENT_CONSUMERS	Sets the number of listeners, per node, to execute lightweight background services.
LIGHT_QUEUE_MAX_CONCURRENT_CONSUMERS	Sets the maximum number of listeners, per node, to execute lightweight background services.
LIGHT_QUEUE_MAX_DEPTH	Sets the maximum depth of the light services queue.

Table 4-1. New or modified server.conf parameters (page 4 of 7)

Parameter Name	Brief Description
LIGHT_QUEUE_REDELIVERY_DELAY	Sets the message redelivery delay.
LIGHT_QUEUE_REDELIVERY_LIMIT	Sets how many times the message will be redelivered to the queue.
LOW_COLOR_WF_IMAGE [7.5 SP3]	Indicates whether or not low quality images can be viewed.
MAX_BATCH_TIMESHEET_FREEZE_CLOSE [7.5 SP1]	<p>Maximum number of time sheets that can be frozen or closed at one time is the <i>lower</i> of the following:</p> <ul style="list-style-type: none"> • Value of this parameter, which has no default value, and a recommended value of 50. • Value of Results Displayed Per Page field on the Search for a Time Sheet to Freeze/Close page (which has a default value of 50).
MAX_BATCH_TIMESHEET_LINE_APPROVE [7.5 SP1]	<p>Maximum number of time sheets that can be approved at one time is the <i>lower</i> of the following:</p> <ul style="list-style-type: none"> • Value of this parameter, which has no default value, and a recommended value of 50. • Value of Results Displayed Per Page field if using the Approve Time Sheets page (which has a default value of 50), or Rows Displayed field if using the Approve Time Sheets portlet (which has a default value of 5).
MSP_NOTES_SIZE_LIMIT	Determines the size of a synchronized note in PPM Center sent to Microsoft Project.
MULTICAST_PORT	No longer user for proprietary clustering of PPM Servers.
MY_LINKS_MAX_COUNT	Sets the maximum number of links a user can add to the My Links menu.

Table 4-1. New or modified server.conf parameters (page 5 of 7)

Parameter Name	Brief Description
QUARTZ_WORKER_THREADS	Sets the number of threads that will be invoked, per node, to send messages.
RM_ENABLE_ORG_VIEW_EXPAND_ALL [7.5 SP2]	Enables the Expand All and Collapse All buttons on the View Organization Model page.
SERVICES_ENABLED	<p>Determines which services, if any, are run on a node in a server cluster. This parameter is set for every server in a cluster.</p> <p>Valid values are as follows:</p> <ul style="list-style-type: none"> • <code>false</code> - This node does not process light or heavy services • <code>light</code> - This node only processes light services • <code>heavy</code> - This node only processes heavy services • <code>true</code> - This node processes all (light and heavy) services <p>For a description of PPM Center and instructions on configuring these, see PPM Center Background Services on page 197.</p>
TM_MAX_PREVIOUS_TIME_PERIODS [7.5 SP3]	<p>Determines the maximum number of time periods that can be displayed in the Previous Time Periods to Show list on the Approve Time page.</p> <p>The default value (4) supplied is for optimal performance. If you increase the value, search performance may suffer.</p>

Table 4-1. New or modified server.conf parameters (page 6 of 7)

Parameter Name	Brief Description
TM_MAX_TIMESHEET_QUERY_RESULTS [7.5 SP3]	Determines the maximum number of result rows retrieved from the database for queries from the Search Time Sheets, Search for a Time Sheet to Freeze, Search for a Time Sheet to Close, and Approve Time pages. The default value is 500.
UCMDB_GATEWAY_URL [7.5 SP2] ^a	Specifies the URL of the Probe Gateway component of the Discovery and Dependency Mapping (DDM) Probe. The Probe Gateway provides communication (HTTP or HTTPS) between the Probe Manager and the Universal CMDB user for processes such as downloading tasks and returning task results.
UCMDB_MAX_CI_NUMBER [7.5 SP2] ^a	Sets the maximum number of CIs a request is allowed to have. Valid values are from 1 to 100. The default is 20.
UCMDB_PASSWORD [7.5 SP2] ^a	Specifies the Universal CMDB user password. This password must be encrypted.
UCMDB_SERVER_URL [7.5 SP2] ^a	Specifies the URL of the Universal CMDB server.
UCMDB_SERVER_VERSION [7.5 SP2] ^a	Specifies the version of Universal CMDB being used on the Universal CMDB server. Valid values are as follows: <ul style="list-style-type: none"> • 7.5 • 7.50

Table 4-1. New or modified server.conf parameters (page 7 of 7)

Parameter Name	Brief Description
UCMDB_USER [7.5 SP2] ^a	Specifies the Universal CMDB user name, for example, admin.
UI_MONITOR_THRESHOLD	Sets the threshold value for UI monitoring.

^a. For details about this parameter, see the *HP Application Lifecycle Management Guide*.

Deletions

The following `server.conf` file parameters are no longer supported.



Some of these parameters have been superseded by the new background services controls available from the standard interface.

Table 4-2. Deleted server.conf parameters (page 1 of 5)

Parameter Name
APPLET_KEY_CLEANUP_INTERVAL
APPROVERS_EVALUATIONS_INTERVAL
COMMANDS_CLEANUP_INTERVAL
CONCURRENT_REQUEST_WATCH_DOG_INTERVAL
COST_RATE_RULE_UPDATE_INTERVAL_MINUTES
COST_ROLLUP_INTERVAL_MINUTES
DEBUG_MESSAGE_CLEANUP_INTERVAL
DOCUMENT_CLEANUP_SERVICE_DELAY
EMAIL_NOTIFICATION_CHECK_INTERVAL
ENABLE_APPLET_KEY_CLEANUP
ENABLE_APPROVERS_EVALUATIONS
ENABLE_COMMANDS_CLEANUP

Table 4-2. Deleted server.conf parameters (page 2 of 5)

Parameter Name
ENABLE_COST_RATE_RULE_UPDATE_SERVICE
ENABLE_COST_ROLLUP_SERVICE
ENABLE_DEBUG_MESSAGE_CLEANUP
ENABLE_DIRECTORY_CLEANUP
ENABLE_DOCUMENT_CLEANUP_SERVICE
ENABLE_EXCEPTION_ENGINE
ENABLE_FINANCIAL_METRICS_UPDATE_SERVICE
ENABLE_FLS_PENDING_DENORM
ENABLE_FX_RATE_UPDATE_SERVICE
ENABLE_INTERFACE_CLEANUP
ENABLE_LOGON_ATTEMPTS_CLEANUP
ENABLE_MAC_SERVICE
ENABLE_PENDING_ASSIGNMENTS_CLEANUP
ENABLE_PENDING_EV_UPDATES_CLEANUP
ENABLE_PROGRAM_SUMMARY_CONDITION_ENGINE
ENABLE_PROJECT_HEALTH_SERVICE
ENABLE_PROJECT_PV_UPDATE_SERVICE
ENABLE_QUALITY_METRICS_SYNC
ENABLE_REFERENCE_UPDATE_SERVICE
ENABLE_RESOURCE_POOL_ROLLUP_SERVICE
ENABLE_RM_NOTIFICATION_SERVICE
ENABLE_SEC_DETECTION
ENABLE_SEC_PROTECTION
ENABLE_SHARED_LOCK_CLEANUP

Table 4-2. Deleted server.conf parameters (page 3 of 5)

Parameter Name
ENABLE_SP_PERIOD_SUM_SERVICE
ENABLE_SQL_EXCEPTION
ENABLE_SQL_PROTECTION
ENABLE_STATISTICS_CALCULATION
ENABLE_TASK_ACTUAL_ROLLUP_SERVICE
ENABLE_TIME_SHEET_NOTIFICATIONS_SERVICE
ENABLE_XSS_EXCEPTION
ENABLE_XSS_PROTECTION
EXCEPTION_ENGINE_INTERVAL
EXCEPTION_ENGINE_WAKE_UP_TIME
EXCLUDED_PARAM
FINANCIAL_METRICS_UPDATE_INTERVAL
FLS_PENDING_DENORM_DAY_OF_WEEK
FLS_PENDING_DENORM_WAKE_UP_TIME
FLS_PENDING_DENORM_WEEK_INTERVAL
FX_RATE_UPDATE_SERVICE_INTERVAL_MINUTES
INTERFACE_CLEANUP_INTERVAL
LOGON_ATTEMPTS_CLEANUP_INTERVAL
MAC_SERVICE_INTERVAL
MAINFRAME_JOB_WATCH_DOG_ENABLED
MAINFRAME_JOB_WATCH_DOG_INTERVAL
MAM_MACHINE_PASSWORD
MAM_MACHINE_URL
MAM_MACHINE_USER

Table 4-2. Deleted server.conf parameters (page 4 of 5)

Parameter Name
MAM_MACHINE_VERSION
MAM_SERVER_URL
MAX_WORKER_THREADS
NOTIFICATIONS_CLEANUP_INTERVAL
NUM_EXCLUDED_PARAM
PENDING_ASSIGNMENTS_CLEANUP_INTERVAL
PENDING_COST_EV_UPDATE_SERVICE_DELAY
PENDING_COST_EV_UPDATE_SERVICE_ENABLED
PENDING_EV_UPDATES_CLEANUP_INTERVAL
PENDING_STATUS_CHANGE_SERVICE_DELAY
PENDING_STATUS_CHANGE_SERVICE_ENABLED
PFM_PROJECTED_TOTAL_CALCULATION_ENABLED
PFM_PROJECTED_TOTAL_CALCULATION_INTERVAL
PROGRAM_SUMMARY_CONDITION_INTERVAL
PROJECT_HEALTH_SERVICE_INTERVAL
PROJECT_PV_UPDATE_INTERVAL_MINUTES
QC_SYNC_SERVICE_INTERVAL_PARAM
REFERENCE_UPDATE_INTERVAL
RESOURCE_POOL_ROLLUP_INTERVAL
RM_NOTIFICATION_INTERVAL_MINUTES
SCHEDULER_INTERVAL
SHARED_LOCK_CLEANUP_INTERVAL
SP_PERIOD_SUM_UPDATE_INTERVAL_MINUTES
SQL_FILTER_REGEX

Table 4-2. Deleted server.conf parameters (page 5 of 5)

Parameter Name
SRC_ORDER_STATUS_UPDATE_SERVICE_ENABLED
SRC_ORDER_STATUS_UPDATE_SERVICE_INTERVAL
STATS_CALC_DAY_OF_WEEK
STATS_CALC_WAKE_UP_TIME
STATS_CALC_WEEK_INTERVAL
TASK_ACTUAL_ROLLUP_INTERVAL
TMG_DATE_NOTIFICATION_INTERVAL
TURN_ON_CONCURRENT_REQUEST_WATCH_DOG
TURN_ON_NOTIFICATIONS
TURN_ON_SCHEDULER
TURN_ON_WF_TIMEOUT_REAPER
VALIDATION_FIELDS
WEB_FILE_CACHE_CLEANING_INTERVAL_IN_DAYS
WF_TIMEOUT_REAPER_INTERVAL
WORK_ITEM_BREAKDOWN_SERVICE_DELAY
WORK_ITEM_BREAKDOWN_SERVICE_ENABLED
WORK_ITEM_UPDATE_SERVICE_DELAY
WORK_ITEM_UPDATE_SERVICE_ENABLED
XSS_FILTER_REGEX

Script Changes

Additions or modifications have been made in the following areas:

- The following scripts have been added to support translation of PPM Center content that has been configured for your deployment:
 - `kExportAttributes.sh`
 - `kImportAttributes.sh`
- The `kStart.sh` script has been modified and new options distinguish between clustered and standalone deployments.
- The `kClusterDeploy.sh` script has been added to enable you to switch from a stand-alone PPM Center deployment to a server cluster configuration (or from a PPM Center server cluster deployment to a stand-alone deployment) after you have already installed PPM Center.
- To configure fiscal periods for HP Resource Management, HP Project Management, HP Portfolio Management, and HP Financial Management, the `kGenFiscalPeriods.sh` script has been added to this version of PPM Center and supersedes the `kGenPeriods.sh` script available in earlier releases.
- The new `kTMDataConversion.sh` script processes data from one or more source `.xml` files that represent time sheet data from an external application, and converts that data into time sheets in HP Time Management. Then, those time sheets can be updated, submitted, approved, and otherwise managed as if they were created in HP Time Management. For more information, see the *HP Time Management Configuration Guide*.

Used in conjunction with importing time sheet data, the `kTMPMSync.sh` script allows actuals from HP Time Management to be copied to HP Project Management work plan tasks. Actuals may need to be synchronized if the sum of actual efforts in HP Time Management does not match the total actual efforts in HP Project Management.

Operating System Language Support

You can install the PPM Server on an English operating system or on a Japanese Windows 2003 or Windows 2008 operating system.

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