



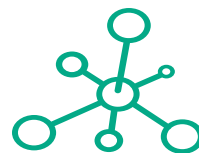
Project and Portfolio Management Center

Software Version: 9.40

What's New and What's Changed

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Chapter 1: What's New in PPM Version 9.40

This section contains the following:

- "New Features" below
- "Enhancements" on page 6
- "Certifications" on page 9

New Features

PPM 9.40 introduced the following new features:

- **Enhanced Program Management**

Program Management is enhanced in the following aspects for program managers and PMOs to better govern and execute programs created for various business objectives in the organization:

- Program type

Upon the creation of a program, it is associated with a program type where the program settings are inherited. Using program types, PMOs can govern the program template for different types of programs to ensure the organization applies standardized format to execute programs. Program types also simplifies the mass update of program settings.

To create a program type, select **Create > Administrative > Program Type**.

To search a program type, select **Search > Administrative > Program Types**.

- Program-level request and workflow

PPM 9.40 introduced the following out-of-the-box entities for Program Management: Program Details (request type), PFM Program (field group), and Program Process (workflow). With these entities, you can customize more information on the program level and control the program lifecycle using the request workflow.

The request type (along with the request workflow) linked with a program is specified by the **Program process Request Type** field. The value of this field is inherited from the program type the program belongs to, and cannot be changed in the program settings.

Program-level request details are displayed in the **Details** tab of Program Overview page.

- Program health tracking

When tracking program health is enabled for a program, PPM calculates the program health based on program issues, risks, and scope changes.

When PPM calculates program health and overriding program's calculated health is enabled, program managers are allowed to override the calculated health, select another health for the program, and keep the program in the health status for a specified duration.

To enable tracking program overall health, select **Track program health for this program** in program settings.

To enable overriding program's calculated health, select **Allow program managers to override the program's calculated health** in program settings.

- Summarized program header

Program header facilitates you to view the following information in a glance:

- Program status, associated portfolio, duration and progress
- Program overall health, issue health, risk health, and scope change health
- Program budget and actual cost

- Program milestones

The **Timeline** tab of Program Overview page enables you to:

- View the program milestones and milestones of projects included in the program.
- Monitor milestone status
- Add and edit program milestones.

- Program cost

The **Cost** tab of Program Overview page provides a central location for you to view program cost, view program content cost, and perform Earned Value Analysis for projects included in the program.

- **User Management Console**

User Management Console enables you to search, view, edit, and add users from PPM Web pages, saving you the effort to navigate to the PPM Workbench.

To open User Management Console, select **Open > Administrative > Open User Management Console**.

- **PPM-AGM integration using Agile Manager Connector 2**

PPM 9.40 uses Agile Manager Connector 2 for the integration between PPM and Agile Manager. Agile Manager Connector 2 is deployed upon the installation of or upgrade to 9.40, and it implements the following advantages:

For the integration between PPM tasks and Agile Manager:

- You can map a PPM task with a new Agile Manager release, in addition to an existing Agile Manager release.
- You can select a specific sprint of a release to synchronize, and decide the level of details to synchronize (release level, sprint level, or user story level).
- When a PPM project is set as a hybrid project, you can still use time management to track actuals against the project as long as time is tracked at task level.
- When a PPM project is set as a hybrid project, you can still track estimated remaining effort per resource assignment.

For the integration between PPM time sheets and Agile Manager:

- If a sprint in Agile Manager does not fall into the PPM time sheet period, instead of the whole sprint efforts are not retrieved into PPM, the efforts in the working days that are within the time sheet period are retrieved into PPM.
- PPM time sheet line cells are filled with daily total effort of all returned tasks in a release, instead of the average of total efforts of all returned tasks in a release.

Enhancements

PPM Center 9.40 includes the following enhancement requests.

Module	CR	Summary
Resource Management	QCCR1L59318	Committing selected resource in resource finder In previous versions, when you assign a resource to a position, the resource status is soft-booked. In this version, you can choose to commit assigned

		<p>resource, that is, when a resource is assigned, the resource status becomes committed automatically.</p> <p>Distributing demand to selected resources evenly in resource finder</p> <p>In previous versions, when you assign resources to a position, PPM allocates the position demand unevenly. It uses up the remaining capacity of the first resource, then the second resource, and goes on until demand is fulfilled. Starting from 9.32.0003, you can distribute demand to the selected resources evenly.</p>
	QCCR1L57692	<p>Viewing resource pool assignable resources when Forwarding Requests</p> <p>As a resource manager, you can check the resource availability of any resource pool when forwarding requests. This helps makes sure that you forward requests to effective resource pools that have assignable resources.</p>
	QCCR1L59269	<p>Able to select all resources in resource finder</p> <p>The Check All option is available in the resource finder for you to select all resources by one click.</p>
	QCCR1L58412	<p>Not sending resource requests for positions of Certain statuses</p> <p>Resource requests for the following positions are not sent any longer:</p> <ul style="list-style-type: none"> • Requested positions • Fulfilled positions • Softbooked or new positions that have zero unmet demand
	QCCR1L58748	<p>Hiding staffing profile user data field names in Staffing Profile New UI</p> <p>Staffing profile user data field name can be hidden.</p> <p>When the description of the user data field is started with "!", the user data field name is the value behind the "!".</p> <p>Therefore, to hide a staffing profile user data field name, set the field description to "!" only.</p>
	QCCR1L57611	<p>Enhancements on specifying requested resources for positions</p>

		<ul style="list-style-type: none"> The Specific Resources Requested column becomes a default column in staffing profile. You can specify requested resources in inline-edit mode.
	QCCR1L58155	<p>Adding horizontal and vertical totals in Staffing Profile New UI</p> <p>Horizontal total (Forecast Total and Unmet Total) and vertical totals (Total Hours, Average FTE, or Person Days, depending on display view) are added in Staffing Profile New UI.</p>
	QCCR1L58693 QCCR1L59695	<p>Displaying resource remaining capacity</p> <p>Resource remaining capacity is displayed in Staffing Profile New UI and Resource Allocation Management Gantt view.</p>
	QCCR1L59251	<p>Filtering positions by unmet demand and over-allocation in Staffing Profile New UI</p> <p>You are able to filter positions by unmet demand and over-allocation in Staffing Profile New UI, as you do in Staffing Profile Legacy UI.</p>
	QCCR1L59284	<p>Easier way to enter efforts for positions</p> <p>In the Table view of Staffing Profile New UI, you can use SHIFT + CLICK to copy and paste efforts for positions in the same row.</p>
Project Management	QCCR1L57425	<p>More options in Staffing tab of Project Overview Page</p> <p>The following options are added in the Staffing tab of Project Overview page to facilitate the use of staffing profile in this tab:</p> <ul style="list-style-type: none"> Change Header or View Header button, depending on your access grant. More button, which enables you to configure access, configure notifications, delete staffing profile, and view staffing profile audit trail. Export to Excel icon.
Platform	QCCR1L59947	<p>Tracking user sessions using database table</p> <p>Using the table PPM_LOGON_SESSIONS, you can track user sessions, including session start and end time, session type, how users logged on to PPM, PPM node on which the session was created, and</p>

		how the session ended.
	QCCR1L60348	<p>Exporting table component fields and requests search result to xlsx format</p> <p>Table component fields and request search result are now exported to real Excel file (xlsx file) instead of xls file.</p>
	QCCR1L60749	<p>Enabling PPM Workbench to communicate with PPM Server via HTTPS</p> <p>In 9.40, PPM workbench will communicate with PPM Server using HTTPS instead of RMIS by default.</p> <p>If you still want PPM Workbench to communicate with PPM Server via RMIS, set the parameter <code>ENABLE_WORKBENCH_HTTP</code> is set to <code>false</code>.</p>
	QCCR1L57430	<p>Preventing Data Loss Due to Inactivity in Request Details, Project Details, and Edit Time Sheet pages</p> <p>You might spend long time entering data in pages like Edit Time Sheet page and Project Details page. However, PPM would regard this as inactivity and then terminate your session. This causes inconvenience because you have to start all over again.</p> <p>PPM now introduces two parameters (<code>REQUEST_AND_PROJECT_KEEPALIVE_MAX_IDLE_TIME</code> and <code>TIMESHEET_KEEPALIVE_MAX_IDLE_TIME</code>) for you to specify the duration you can stay idle in the Request Details page, Project Details page, and Edit Time Sheet page. This helps prevent data loss because of inactivity in these pages.</p>

Certifications

The following certifications are included in PPM 9.40:

- Support for OpenJDK 8
 - For Windows platform, only Azul Zulu (a certified build of OpenJDK 8) is supported.
 - For Linux platform, only OpenJDK 8 built into Linux distributions is supported.
- Support for Red Hat Enterprise Linux 7

- Mozilla Firefox support is extended to ESR 45.x
- Google Chrome support is extended to 47
- Remove the support for Internet Explorer 10

For more details, see the *System Requirements and Compatibility Matrix* for version 9.40.

Chapter 2: What's Changed in PPM Version 9.40

This section contains the following:

- ["Data Model Changes" below](#)
- ["Entity Changes" on page 13](#)
- ["server.conf File Changes" on page 14](#)
- ["Server Directory Structure and Server Tools Changes" on page 18](#)
- ["Changed and New Document Titles" on page 19](#)
- ["Deprecations" on page 19](#)

Data Model Changes

The section describes the major changes to the data model in this version, as compared to version 9.30.

Tables

The following table details the changes to tables in PPM version 9.40 as compared to PPM version 9.30. Some new tables have been introduced, and some existing tables have been modified. Table changes

Table	Impact
PPM_LOGON_SESSIONS	Added in 9.40
PGM_PROGRAM_TYPES	Added in 9.40
PGM_PROGRAM_MILESTONES	Added in 9.40
KCRT_FG_PFM_PROGRAM	Added in 9.40
KCRT_FG_PFM_PROGRAM_INT	Added in 9.40

Table	Impact
PGM_PROGRAMS	Modified in 9.40: added the columns PROGRAM_TYPE_ID, PGM_REQUEST_ID, DISPLAY_STATUS, OVERRIDE_DATE, and OVERRIDE_DESCRIPTION.
KNTA_ARCHIVES	Modified in 9.32.0001: the length of the column Version is increased from VARCHAR2 (10) to VARCHAR2(20).
PPM_FISCAL_PERIODS_NLS	Modified in 9.32.0001: added the index PPM_FISCAL_PERIODS_NLS_N2.
RSC_POSITION_FORECAST	Modified in 9.32.0001: added the index RSC_POSITION_FORECAST_N7.
DSH_PORTLETS	Modified in 9.31.0001: added the column EXPORT_TO_HTML_EXCEL.
KDLV_PENDING_PACKAGES	Modified in 9.31.0003: added the column NULL_EXECONTEXT_NODE_NUMBER.
KNTA_USERS_INT	Modified in 9.31.0003: the length of the column DEPARTMENT_CODE is increased from VARCHAR2 (30) to VARCHAR2 (40).

For details about data table changes, see the *Data Model Guide* for PPM version 9.40.

Views

The following table details the changes to views in PPM version 9.40 as compared to PPM version 9.30. Some new views have been introduced, and some existing views have been modified.

View	Impact
PM_PROGRAM_TYPES_MIGE_V	Added in 9.40
PM_PROGRAM_TYPES_MIGS_V	Added in 9.40

Entity Changes

This section describes the major changes to the HPE-provided entities—access grants, licenses, portlets, report types, request types, special commands, tokens, validations, background services, and workflows—in this version, as compared to version 9.30. Some changes were introduced in service packs or minor releases, as noted.

- ["Request Type Changes" below](#)
- ["Workflow Changes" below](#)
- ["Access Grant Changes" below](#)
- ["Background Service Changes" on the next page](#)

Request Type Changes

Entity Name	Impact
Program Details	Added in 9.40

Workflow Changes

Entity Name	Impact
Program Process	Added in 9.40

Access Grant Changes

Entity Name	Impact
View Program Type	Added in 9.40
Edit Program Type	Added in 9.40

Background Service Changes

Entity Name	Impact
Program Health Service	Added in 9.40

server.conf File Changes

This section describes the changes to the server configuration parameters (located in the `server.conf` file) in version 9.40.

The server configuration parameters listed in [Table 3-1](#) were either added or modified (for example, the parameter is used for a different purpose or the valid values have changed). For details about these parameters, see the *Installation and Administration Guide*.

Table 3-1. New or modified server configuration parameters

Parameter Name	Change History	Description
ENABLE_COMMIT_RESOURCES_IN_RESOURCE_FINDER	Added in 9.32.0003	Flags whether or not the option Commit selected resources is available in resource finder.
CHECK_COMMIT_RESOURCES_IN_RESOURCE_FINDER	Added in 9.32.0003	Flags whether or not the option Commit selected resources is checked in resource finder.
ENABLE_DISTRIBUTE_RESOURCES_IN_RESOURCE_FINDER	Added in 9.32.0003	Flags whether or not the option Distribute demand evenly to selected resources is available in resource finder.
CHECK_DISTRIBUTE_RESOURCES_IN_RESOURCE_FINDER	Added in 9.32.0003	Flags whether or not the option Distribute demand evenly to selected resources is checked in resource finder.
USER_SEARCH_RESULTS_MAX_ROWS	Added in 9.40	Specify the maximum number of users displayed in User Management Console.
ENABLE_WORKBENCH_HTTP	Added in 9.40	Flags whether or not PPM Workbench communicates with PPM Server via HTTP(S).
WORKBENCH_SERVICE_URL	Added in 9.40	If PPM Workbench is enabled to communicate with PPM Server via HTTP(S),

Table 3-1. New or modified server configuration parameters, continued

Parameter Name	Change History	Description
		this parameter specifies the address of the PPM Server that PPM Workbench communicates with via HTTP(S).
ENABLE_WEB_ACCESS_LOGGING	Modified in 9.40	Default values is changed from false to true.
MAX_WEB_ATTACHMENT_SIZE_IN_MB	Modified in 9.40	Default value is changed from 2048 to 20.
ENABLE_LOGIN_COOKIE	Modified in 9.40	Default value is changed from true to false.
SECURE_RMI	Removed in 9.40	Removed in 9.40.
ENABLE_SP_LABOR_COST_UPDATE	Added in 9.32.0002	Controls whether PPM calculates staffing profile labor cost when you save project settings.
SEARCH_TIMEOUT	Modified in 9.32.0001	It controls the timeout of both the request search and time sheets search.
ENABLE_LOG_SUCCESS_SERVICE_LIST	Added in 9.32.0003	Specify the reference codes of services. If these services are run successfully, PPM will record the success logs for them. Reference codes are separated by semicolon.
SERVICE_RECORDS_EXPIRATION_DAYS	Added in 9.32.0003	Specify the duration (in days) of the success logs for the background services defined in ENABLE_LOG_SUCCESS_SERVICE_LIST. The logs that expire the duration will be removed automatically from the Service Records page.
REQUEST_AND_PROJECT_KEEPALIVE_MAX_IDLE_TIME	Added in 9.32.0001	Specify the duration (in minutes) that you can stay idle on the Request Details page and Project Details page before your session starts to time out.
TIMESHEET_KEEPALIVE_MAX_IDLE_TIME	Added in 9.32.0001	Specify the duration (in minutes) that you can stay idle on the Edit Time Sheet page before your session starts to time out.
IGNORE_NEGATIVE_UNMET_DEMAND	Added in 9.31.0001	<p>If you set this parameter to true, PPM ignores negative unmet demand value in the calculation of forecast labor cost.</p> <p>If you set this parameter to false, PPM does not ignore negative unmet demand value (regards the negative unmet demand value as it is) in the calculation of forecast labor cost.</p>

Table 3-1. New or modified server configuration parameters, continued

Parameter Name	Change History	Description
COST_RATE_RULE_UPDATE_SERVICE_COMMIT_BATCH_SIZE	Added in 9.31.0001	Used to specify the batch size of the Cost Rate Rule Update service.
ENABLE_GENERIC_SSO_TIMEOUT	Added in 9.31.0001	If set to true, the session timeout property works fine in generic SSO implementation. If set to false, the session timeout property does not work in generic SSO implementation.
MAX_RSC_IN_SG_TMAPPROVERS	Added in 9.31.0001	Used to specify the maximum number of resources allowed in a security group that serves as time approvers.
ENABLE_PROJECT_DETAIL_VALIDATE	Added in 9.31.0002	Flags whether or not the system checks the fields update in Details tab of project before you switch to another tab.
PORTLET_MAX_ROWS_RETURNED	Obsolete since 9.31.0003	
SSL_CLIENT_SOCKET_ENABLED_PROTOCOL	Added in 9.31.0003	Used to specify the TLS protocol of LDAPs connections.
ENABLE_PROJECT_COST_ROLLUP	Added in 9.31.0003	Flags whether or not the system runs the Cost Rollup Service when you import a work plan.
EDIT_TIMESHEET_TABLE_MAX_HEIGHT	Added in 9.32	Specifies the vertical size (in pixels) of the time sheet table before the vertical scroll bar appears.
DEFAULT_EXPENSE_TYPE_FOR_POSITIONS	Added in 9.32	Specifies the default value of expense type for positions.
HIDE_COST_TAB_ON_PROJECT_PAGE	Added in 9.32	Used to hide or display the Cost tab in the Project Overview page.
HIDE_STAFFING_TAB_ON_PROJECT_PAGE	Added in 9.32	Used to hide or display the Staffing tab in the Project Overview page.
USE_REGION_OF_RESOURCE_POOL_FOR_POSITION_FORECAST_COST	Added in 9.32	If you set this parameter to true, PPM uses the region of the resource pool specified for the position to pick up cost rule when calculating its forecast labor cost. Otherwise, PPM uses the region of the staffing profile to pick up the cost rule.
MAX_RESULT_OF_AUDIT_	Added in 9.32	Used to limit the mas number of audit event

Table 3-1. New or modified server configuration parameters, continued

Parameter Name	Change History	Description
EVENT_QUERY		query result.
DEFAULT_STAFFING_EFFORT_EDIT_MODE	Added in 9.31	Specifies the default editable view (Gantt view or Table view) in Staffing Profile New UI.
ENABLE_STAFFING_PROFILE_LEGACY_VIEW	Added in 9.31	Flags whether or not Staffing Profile Legacy UI is enabled so that you can switch staffing profile page between New UI and Legacy UI. If set to true, staffing profile legacy UI is enabled.
FM_COST_AUDIT_ENABLE	Added in 9.31	Flags whether or not to enable audit trail for cost rates that are used to calculate costs. If you set it to true, you enable the cost rate audit trail.
SP_RESOURCE_ROLE_RATE_ENABLE	Added in 9.31	If set to true, the forecasted labor cost of a committed resource is calculated by the cost rate of the resource role. If set to false, the forecasted labor cost of a committed resource is calculated by the cost rate of the position role.
HTTPS_PROTOCOL	Modified in 9.31	SSLv3 is no longer a valid HTTPS protocol that PPM Server uses
HTTPS_ENABLED_PROTOCOLS	Added in 9.31	Specifies the HTTPS protocols in details.
ASSET_ROLLUP_TIMESHEETLINE_BATCH_SIZE	Added in 9.31	Used to set the batch size of time sheet lines for assets cost calculation.
BLOCK_PENDING_PKGL_FOR_ERROR	Added in 9.31	If set to false, when a package line fails, the system continues executing the subsequent package lines. If set to true, the execution is blocked when a package line fails.
EXCEPTION_ENGINE_PROCESSING_THREAD_COUNT	Added in 9.31	Used to specify the thread number of the Exception Rule Service.
ENABLE_ROADMAP_EXT_ATTR	Added in 9.31	If set to true, administrators can define the database view APM_ROADMAP_ENTITY_EXT_ATTR_V to add customized columns in APM roadmap hierarchy.
HTTPS_ENABLED_PROTOCOLS	Added in 9.31	Specifies the HTTPS protocols in details.

Server Directory Structure and Server Tools Changes

This section addresses changes made to the server directory structure and server tools.

<PPM_Home>/bin

Changes were made to the following scripts contained in the <PPM_Home>/bin directory:

Script Name	Change History	Description
kGenJavaDump.sh	Added in 9.40	Running this script generates Java dumps (heap dumps and thread dumps) for started PPM Server.

Changed and New Document Titles

The table below lists the title changes made to documentation for PPM version 9.40.

PPM Version 9.30 and Earlier	PPM Version 9.40
N/A	Mobile Website Client User's Guide (Added in 9.32)
A Guide to PPM Center Documentation	Discarded in 9.40

Deprecations

The following items are deprecated in 9.40

- Agile Management Connector 1.0

The following items are no longer supported in 9.40

- Internet Explorer version 10.0

Related Information

The following documents provide detailed information about the installation, configuration, and customization of this version:

- *Installation and Administration Guide*
- *Upgrade Guide*
- *System Requirements and Compatibility Matrix*
- *Customizing the Standard Interface*
- *Getting Started*

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

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

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Feedback on What's New and What's Changed (Project and Portfolio Management Center 9.40)

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