

# HPE Project and Portfolio Management Center

Software Version: 9.42

## Release Notes

Go to **HELP CENTER ONLINE**

<https://ppm-help.saas.hpe.com>



**Hewlett Packard**  
Enterprise

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# Contents

HPE Project and Portfolio Management Center .....	1
Chapter 1: Overview .....	5
Chapter 2: Installation Notes .....	6
Installing PPM 9.42 .....	6
Out-of-Sync Actuals Data .....	6
Supported Upgrades .....	7
Chapter 3: New Features in PPM 9.42 .....	10
Portfolio Management Updates .....	10
Value-driven Portfolio Management .....	10
Portfolio Scenarios .....	11
Portfolio Timeline .....	11
Usability Enhancements .....	11
Logging Time Against Programs .....	12
Enterprise Agile .....	12
Chapter 4: Enhancements, Certifications, and Fixes in PPM 9.42 .....	13
Enhancements .....	13
Configuring Default or Required Columns for Staffing Profiles .....	13
Removing Invalid Resource Assignments Systematically .....	15
Enhancement on Milestone Duration Behavior .....	16
Starting Background Service on Demand .....	16
Interactive REST API Help .....	17
Making Financial Summary Cost Lines Non-editable .....	18
Recording Success Logs for More Background Services .....	18
Performance Troubleshooting Toolkit .....	18
Changes on Agile Projects Portlets .....	19
Help Center Enhancements .....	19
Encrypted Password Supported in webservices.conf .....	20
Certifications .....	21
Fixes .....	22
Chapter 5: Known Problems and Limitations in PPM 9.42 .....	35
Send Us Feedback .....	37

# Chapter 1: Overview

This document is an overview of the changes made to Project and Portfolio Management Center (PPM Center) for version 9.42. It contains important information that is not included in the manuals. You can find information about the following in this document:

- ["Installation Notes" on page 6](#)
- ["New Features in PPM 9.42" on page 10](#)
- ["Enhancements, Certifications, and Fixes in PPM 9.42" on page 13](#)
- ["Known Problems and Limitations in PPM 9.42" on page 35](#)

## Software and Hardware Requirements

For information about the installation requirements and compatibility with other products, see the *System Requirements and Compatibility Matrix* for PPM version 9.42. The support matrix may be updated between releases, and so is only available at the HP Support web site:

<https://softwaresupport.hpe.com>

## Protecting Your Deployment from Security Vulnerabilities

Make sure you take necessary precautions to protect your PPM deployment from general security vulnerabilities, especially those related to Web server and related infrastructure vulnerabilities. Patch and configure your Web server's operating system and DNS servers to prevent malicious attacks that could put your organization and data at risk. You can take such steps as disabling unused ports or enabling SSL in your environment. Consult your Web server vendor for the latest patches to prevent harmful attacks such as cross-site scripting.

## Chapter 2: Installation Notes

**Note:** The zip package of PPM Center version 9.42 contains two files:

- ppm-942-SP2.jar, the installation jar file for PPM Center version 9.42. The installation instructions are provided in "[Installing PPM 9.42](#)" below.
- ppm-942-LP-multi-lang.jar, language packs installation jar file for PPM Center version 9.42. Required only when you want to install a language pack.

Instructions for installing language packs are provided in the *Release Notes for Language Pack* for PPM 9.42, available at the <https://softwaresupport.hpe.com>.

### Installing PPM 9.42

**Note:**

- PPM 9.40 or later is required before you upgrade PPM to 9.42.
- PPM recommends you back up your customized files including scripts before applying PPM 9.42.

To install PPM version 9.42:

1. Back up your database.
2. Back up your customized data.
3. Stop the PPM Server. The Service Pack cannot be installed on an active server.
4. Copy the Service Pack file ppm-942-SP2.jar to the <PPM\_Home> directory. This is the directory where the PPM Server is installed.
5. Change to the <PPM\_Home>/bin directory.
6. Start the installation using the following command:  

```
sh ./kDeploy.sh -i SP2
```
7. Follow the on-screen instructions to complete the installation.
8. Restore your customized data (if any).
9. Start the PPM Server.

### Out-of-Sync Actuals Data

The following sections describe what to do if the pre-validation process during installation determines that data is not synchronized between the Time Management and Project Management modules or between the Time Management and Demand Management modules.

## Data Out of Sync Between Time Management and Demand Management

If, during the installation of PPM 9.42, the pre-validation process determines that actuals data in the Time Management and Demand Management modules are out of sync, an error occurs and you cannot continue with the installation.

To resolve the problem:

1. Navigate to the `<PPM_Home>/deploy/942/SP2/phases/prevalidation` directory and run the `CorrectDMTMActualsOutOfSync.sql` script.
2. After the `CorrectDMTMActualsOutOfSync.sql` script has run successfully, re-install PPM 9.42.

## Data Out of Sync Between Time Management and Project Management

If, during the installation of PPM 9.42, the pre-validation process determines that actuals data in the Time Management and Project Management modules are out of sync, an error occurs and you cannot continue with the installation.

To resolve the problem:

1. To tag these data for synchronization, navigate to the `<PPM_Home>/deploy/942/SP2/phases/prevalidation` directory and run the `MarkPMTMActualsOutOfSync.sql` script.
2. Re-deploy PPM 9.42.
3. After you successfully install PPM 9.42, navigate to the `<PPM_Home>/bin` directory and run the `kPMTMSync.sh` script, as follows, and redirect the output to a file:  

```
sh ./kPMTMSync.sh -username<username> -password <password>
```

## Supported Upgrades

**Note:** HP strongly recommends upgrading to the latest version of PPM. In general, each new PPM version includes important product improvements that are not provided in earlier versions.

**Table 1-1 Supported upgrades for current PPM Center versions**

Current PPM Version	Can be upgraded to				
	8.0x	9.1x	9.2x	9.3x	9.4x
7.5 SP3 or earlier <sup>1</sup>	8.00 or later	9.10 or later	9.20~9.22	9.30~9.32	9.40~9.42
7.5 SP4, 7.5 SP5, 7.5 SP6 <sup>1</sup>	8.02 or later	9.10 or later	9.20~9.22	9.30~9.32	9.40~9.42

**Table 1-1 Supported upgrades for current PPM Center versions, continued**

Current PPM Version	Can be upgraded to				
	8.0x	9.1x	9.2x	9.3x	9.4x
7.5 SP7 <sup>1</sup>	8.03 or later	<b>9.12</b> or later	9.20~9.22	9.30~9.32	9.40~9.42
8.00 <sup>2</sup>	8.00.01 or later	9.10 or later	9.20~9.22	9.30~9.32	9.40~9.42
8.00.01 <sup>2</sup>	8.02 or later	9.10 or later	9.20~9.22	9.30~9.32	9.40~9.42
8.02 <sup>2</sup>	8.03 or later	9.10 or later	9.20~9.22	9.30~9.32	9.40~9.42
8.03 <sup>2</sup> (build 1189 and build 1208)	8.04	<b>9.12</b> or later	9.20~9.22	9.30~9.32	9.40~9.42
8.04	—	<b>9.14 (build 1460)</b>	9.20~9.22	9.30~9.32	9.40~9.42
9.10	—	9.11 or later	9.20~9.22	9.30~9.32	9.40~9.42
9.11	—	9.12 or later	9.20~9.22	9.30~9.32	9.40~9.42
9.12	—	9.13 or later	9.20~9.22	9.30~9.32	9.40~9.42
9.13	—	<b>9.14 (build 1460)</b>	9.20~9.22	9.30~9.32	9.40~9.42
9.14 (build 1435 or build 1460)	—	—	9.20~9.22	9.30~9.32	9.40~9.42
9.14.0001~9.14.0004 <sup>3</sup>	—	—	9.20~9.22	9.30~9.32	9.40~9.42
9.14.0005~9.14.0006 <sup>3</sup>	—	—	9.21, 9.22	9.30~9.32	9.40~9.42
9.14.0007~9.14.0009 <sup>3</sup>	—	—	9.22	9.30~9.32	9.40~9.42
9.20	—	—	9.21, 9.22	9.30~9.32	9.40~9.42
9.21	—	—	9.22	9.30~9.32	9.40~9.42
9.22	—	—	—	9.30~9.32	9.40~9.42
9.22.0001~9.22.0005 <sup>4</sup>	—	—	—	9.30~9.32	9.40~9.42
9.30	—	—	—	9.31, 9.32	9.40~9.42
9.30.0001	—	—	—	9.31, 9.32	9.40~9.42



**Table 1-1 Supported upgrades for current PPM Center versions, continued**

Current PPM Version	Can be upgraded to				
	8.0x	9.1x	9.2x	9.3x	9.4x
9.31	—	—	—	9.32	9.40~9.42
9.31.0001~9.32.0005	—	—	—	9.32	9.40~9.42
9.40, 9.40.0001	—	—	—	—	9.41-9.42
9.41, 9.41.0001	—	—	—	—	9.42
<ol style="list-style-type: none"> <li>If you are upgrading from a version prior to version 8.00, incremental upgrades are necessary (for example: version 7.5 to 8.00, followed by 8.00 to 9.10, 9.10 to 9.20, 9.20 to 9.30, and finally 9.30 to 9.31).</li> <li>If you are upgrading from version 8.0x to 9.1x, you must initially upgrade to version 9.10 before upgrading to version 9.1x. For example, PPM versions 9.10 and 9.11 were released before versions 8.03 and 9.12. Versions 8.03 and 9.12 include improvements to core functionalities that are not supported on the older versions 9.10 and 9.11.  If PPM is running at version 8.03, do not upgrade to and then run at version 9.10, 9.11, or 9.12. Instead, upgrade from version 8.03 to version 9.10 temporarily without running PPM Center, and then upgrade <b>immediately</b> to version 9.12 or later.</li> <li>Defect fixes included in patches (up until 9.14.0004) on top of version 9.14 are rolled into version 9.20. Version 9.21 contains defect fixes included in patches 9.14.0001~9.14.0006. Version 9.22 contains defect fixes included in patches 9.14.0001~9.14.0009. Version 9.22.0001 contains defect fixes included in patches 9.14.0001 through 9.14.0010.  If PPM is running at patch 9.14.0005 (or later, up until 9.14.0009), do not upgrade to and then run at version 9.20 or 9.21. Instead, upgrade from patch 9.14.0005 (or later, up until 9.14.0009) to version 9.20 temporarily without running PPM Center, and then upgrade <b>immediately</b> to version 9.22.  If PPM is running at patch 9.14.0010 or later patch on top of version 9.14, do not upgrade to version 9.22 yet, otherwise you may encounter some regression regarding the defect fixes in 9.14.0010. Instead, upgrade from patch 9.14.0010 to version 9.22 temporarily without running PPM, and then upgrade <b>immediately</b> to version 9.22.0001 or the latest patch.</li> <li>Defect fixes included in patches (up until 9.22.0004) on top of version 9.22 are rolled into version 9.31. Version 9.32 contains defect fixes included in 9.22.0001~9.22.0006.  If you are on PPM Center patch 9.22.0005 (or later), do not upgrade to PPM Center version 9.30 or 9.31 yet, otherwise, you may encounter some regressions regarding the defect fixes included in 9.22.0005. Instead, upgrade from patch 9.22.0005 (or later) to version 9.30 temporarily without running PPM, and then upgrade <b>immediately</b> to version 9.32.</li> </ol>					

# Chapter 3: New Features in PPM 9.42

PPM 9.42 includes the following new features:

- "Portfolio Management Updates"
- "Enterprise Agile "
- "Logging Time Against Programs"

## Portfolio Management Updates

PPM 9.42 adds multiple new features and enhancements in Portfolio Management module to make it more powerful in portfolio planning and monitoring.

- "Value-driven Portfolio Management"
- "Portfolio Scenarios"
- "Portfolio Timeline"
- "Usability Enhancements"

## Value-driven Portfolio Management

The final goal of portfolio management is to select and run a portfolio of investments (portfolio contents) that maximize the strategic objectives of the organization. This goal requires an constant alignment with strategic business objectives.

PPM 9.42 allows you (with different roles) to do the following to make portfolio management be driven by value:

Who	What to do	For details, see
Portfolio Managers	<ul style="list-style-type: none"><li>• Define strategy for your portfolio.</li><li>• Embody the portfolio strategy in itemized , differentiated, and measurable business goals.</li><li>• Measure each business goal with a KPI.</li></ul>	<i>Portfolio Management User Guide, <b>Defining Portfolio Strategy</b> section</i>
KPI Managers (who add and modify KPIs)	<ul style="list-style-type: none"><li>• Define and add KPIs.</li><li>• Keep records of KPI actual values that are calculated from the portfolio's contents.</li></ul>	<i>Portfolio Management User Guide, <b>Managing KPIs</b> section.</i>

<p>Managers of portfolio contents</p> <p>For example, project managers, program managers, and proposal submitters.</p>	<p>Keep track of the impact that would contribute to the KPIs related to the portfolio business goals.</p>	<p><i>Project Management User Guide, Program Management User Guide, or Demand Management User Guide</i></p>
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## Portfolio Scenarios

After adding portfolio contents, you can create portfolio scenarios to foresee different investment consequences without actually funding them.

A portfolio scenario enables you to:

- View whether the supply budget and supply resources can cover the cost and resource demands of different sets of portfolio contents within the specified time range.
- View the cost, resource demands and other financial metrics of the portfolio contents that are calculated within the scenario's time range.
- Adjust portfolio contents within the scenario: include or exclude contents from the scenario, and rank in-scope contents.

For details, see *Portfolio Management User Guide*, **Exploring Portfolio Scenarios** section.

## Portfolio Timeline

Portfolio **Timeline** tab presents the portfolio contents in the hierarchical view. It allows you to

- View the timeline and milestones of each content.
- View the health, progress, quality, and projected cost of each content.

For details, see *Portfolio Management User Guide*, **Monitoring and Analyzing a Portfolio** section.

## Usability Enhancements

- Portfolio Management provides a centralized location (**Open > Portfolio Management**) for you to do the following:
  - View all your portfolios in Card view or Table view.
  - Drill into a portfolio for more details.
  - Create new portfolios.
  - Go to other portfolio management related pages, such as Analyze the Current Portfolio page, KPI Management page, and View Portfolio Hierarchy page.
- Group the previous **Subportfolios**, **Programs**, and **Proposals/Projects/Assets** tabs into one tab --- the **Contents** tab. This reduces the times of tab switching when adding portfolio contents.

## Logging Time Against Programs

PPM 9.42 allows you to log time against programs: you can add programs work items to your time sheet.

Logging time against a program involves the following tasks:

Role	Task	For details, see
Time administrator	Configure time sheet policy to allow users to log time against programs.	<i>Time Management Configuration Guide</i> , <b>Configuring the Work Items Tab</b> section.
Program Manager	In Program Settings > Time Management policy: <ul style="list-style-type: none"><li>• Enable Time Management.</li><li>• Select who can log time against the program.</li><li>• Select who can approve the time logged against the program.</li></ul>	<i>Program Management User Guide</i> , <b>Time Management Policy</b> section.
	If you allow program resources to log time on the program, add program resources in the Configure Participants page.	<i>Program Management User Guide</i> , <b>Configuring Participants</b> section
User who logs time on the program	Add the program in your time sheet.	<i>Time Management User Guide</i> , <b>Add Programs Directly to a Time Sheet</b> section.

## Enterprise Agile

PPM 9.42 extends agile practices from the project management scale to the portfolio management scale (the enterprise scale).

As a portfolio manager:

- You can add epics in the portfolio level that are aligned with the portfolio strategy.
- You can decentralize the epic execution in different agile projects.
- You can monitor the epic progress information of each agile project that is synchronized to and collected in the portfolio.

For details, see *Portfolio Management User Guide*, **Adding and Implementing Portfolio Epics** section.

# Chapter 4: Enhancements, Certifications, and Fixes in PPM 9.42

- ["Enhancements" below](#)
- ["Certifications" on page 21](#)
- ["Fixes" on page 22](#)

## Enhancements

PPM 9.42 includes the following enhancements:

Module	Enhancement
Admin Tools	<ul style="list-style-type: none"> <li>• <a href="#">"Starting Background Service on Demand "</a></li> <li>• <a href="#">"Interactive REST API Help"</a></li> </ul>
Costing	<ul style="list-style-type: none"> <li>• <a href="#">"Making Financial Summary Cost Lines Non-editable"</a></li> </ul>
Documentation	<ul style="list-style-type: none"> <li>• <a href="#">"Help Center Enhancements"</a></li> </ul>
Integrations	<ul style="list-style-type: none"> <li>• <a href="#">"Changes on Agile Projects Portlets"</a></li> </ul>
Project Management	<ul style="list-style-type: none"> <li>• <a href="#">"Enhancement on Milestone Duration Behavior "</a></li> </ul>
Resource Management	<ul style="list-style-type: none"> <li>• <a href="#">"Configuring Default or Required Columns for Staffing Profiles"</a></li> <li>• <a href="#">"Removing Invalid Resource Assignments Systematically"</a></li> </ul>
Platform	<ul style="list-style-type: none"> <li>• <a href="#">"Recording Success Logs for More Background Services"</a></li> <li>• <a href="#">"Encrypted Password Supported in webservices.conf"</a></li> </ul>

## Configuring Default or Required Columns for Staffing Profiles

PPM 9.42 allows you to configure which columns are displayed by default and which columns are required in staffing profiles.

To configure default or required columns in staffing profiles:

1. Open the PPM Administration Console.
2. Go to **Administration Task > Application configuration**.
3. If you want to configure default columns in staffing profiles, locate the parameter STAFFING\_PROFILE\_DEFAULT\_COLUMNS.

You use this parameter to specify the reference codes of columns that are to be displayed by default in staffing profiles. The reference codes are separated by semicolons.

For example, if you want the columns Resource Type, Skills, and Cost Category to be displayed by default, you should set the value of the parameter to `resourceType; skillProficiencies; costCategory`.

The reference code for each available staffing profile column is as follows:

Column	Reference Code
Status	status
Resource Pool	resourcePool
Start Date	startDate
Finish Date	finishDate
Average FTE/Total Hours	avgFTEShort
Resource Type	resourceType
Specific Resource Requested	specificResource
Response Needed By	responseBy
Skills	skillProficiencies
Cost Category	costCategory
position user data	The <b>User Data Col.</b> value, e.g., USER_DATA4

4. If you want to configure required columns in staffing profiles, locate the parameter `STAFFING_PROFILE_REQUIRED_COLUMNS`.

You use this parameter to specify the reference codes of columns that are required in staffing profiles. The reference codes are separated by semicolons.

For example, if you want to set the columns Resource Pool and Specific Resource Requested as required, you should set the value of the parameter to `resourcePool; specificResource`.

The reference code for each available staffing profile column is as follows:

Column	Reference Code
Resource Pool	resourcePool
Resource Type	resourceType
Specific Resource Requested	specificResource

Response Needed By	responseBy
Skills	skillProficiencies
Cost Category	costCategory

**Note:**

- These two parameters only work for staffing profile New UI.
- These two parameters work for new staffing profiles and the existing staffing profiles that do not have any user preferences saved.

With the parameters set, you can still show or hide default columns in a staffing profile. The user preference is saved per user per staffing profile.

- Required columns are always displayed in staffing profiles even when they are not set as default columns.

## Removing Invalid Resource Assignments Systematically

When a system administrator changes the end date of a user account or disable a user, the user's assignments that are later than the new end date will become invalid.

Starting from this version, PPM will help administrators systematically remove these invalid assignments from related staffing profiles, so that the system will not consider the invalid assignments in the cost calculation.

**Note:** This is only working when you edit user's end date or disable a user from the User Management Console. You have no chance to remove invalid assignments when editing user's end date or disabling a user from PPM Workbench.

To remove invalid resource assignments systematically when editing a user's end date:

1. Save the new end date.
2. In the pop-up warning window that informs you which staffing profiles will have invalid assignments removed, click **Save & Remove**.



## Confirmation



You changed the end date of the user (Emma Zou) to Aug 28, 2017. Assignments later than the date will be removed from the following staffing profiles.

Staffing profile Emma: 24 hours removed

Managers: Admin User

Are you sure you want to save the change and remove the assignments?

Save

Save & Remove

Cancel

If you click **Save**, your change to the user account is saved but the invalid assignments are not removed.

## Enhancement on Milestone Duration Behavior

If a task is set as a milestone, when you change the task's schedule start date and schedule finish date to another date but still the same date:

- The task duration remains 0 instead of 1.
- The selection of the **Milestone automatically completes** option does not change.

If the option is selected before you change the schedule dates, it is still selected after changing the schedule dates unless the duration is not 0.

## Starting Background Service on Demand

You can manually trigger a background service to run immediately, regardless of its pre-configured schedule or whether it is enabled or disabled. However, you cannot trigger a service that is running.

We recommend that you manually start a background service only for the purpose of troubleshooting.

To force a background service to run immediately:

1. Click **Open > Administration > View Service Audit Page**.
2. In the Service Audit Results page, locate the background service you want to run.
3. Click the square icon in the **Is Running?** column.

The status of the background service becomes "Running", unless the service run completes too fast. You can check if the service has run in the Service Audit Page.

4. Click the background service link to check the running details.



## Interactive REST API Help

Interactive REST API Help is the REST API documents embedded in PPM that enables you to explore and interact with PPM-supported REST APIs.

PPM admin users can use Interactive REST API Help to:

- Learn about supported REST APIs, including the list of parameters of each API.
- Get and update data by executing REST APIs.

**Note:** Interactive REST API Help only lists supported REST APIs whose URIs are prefixed with `http://<PPM_Server_IP>:<port>/itg/rest2/`.

The REST APIs whose URIs are prefixed with `http://<PPM_Server_IP>:<port>/itg/rest/` are not included. For details of these APIs, see *RESTful Web Services Guide*.

To use the Interactive REST API Help:

1. **Prerequisite:** You must be able to access the Administration Console (have both the User Administration license and the Server Tools: Execute Admin Tools access grant).
2. From the PPM menu, click **Help > Interactive REST API Help**.

PFM	
POST	/businessGoals Creates a new Business Goal.
PUT	/businessGoals Updates an existing Business Goal.
GET	/businessGoals/{id} Retrieves a single Business Goal
POST	/businessGoals/{id} Delete the business goal
GET	/kpiImpacts/{entityType}/{entityPk} Returns all the defined KpiImpact values for the given entity, indexed by KPI ID and sorted by offset
PUT	/kpiImpacts/{entityType}/{entityPk}/ignore/{kpiId} Ignore a KPI for a given entity.
GET	/kpiImpacts/{entityType}/{entityPk}/relevantKpis Returns the list of KPIs in use in at least one of the business goals of the portfolio this entity belongs to (if any).
PUT	/kpiImpacts/{entityType}/{entityPk}/restore/{kpiId} Restore a KPI for a given entity.
POST	/kpiImpacts/{entityType}/{entityPk}/{kpiId} Saves a list of KPI Impacts for a given entity and KPI.
DELETE	/kpiImpacts/{kpiId} Remove a KPI Impact for a given entity.

3. Select a module and an operation. Click **Try it out** to enter parameter values, and click **Execute** to execute the operation.

The Interactive REST API Help verifies your requests. If an operation fails, it informs you of the error.

**Caution:** Successful POST, PUT, and DELETE operations modify existing data. You and the other users can view these changes in PPM in real time.

## Making Financial Summary Cost Lines Non-editable

Previously, all financial summary entries added by using the updateFinancialSummary web service are editable. Now you can use the attribute `<editable>>false</editable>` to decide whether a cost line is editable in the PPM financial summary page:

- If `<editable>>false</editable>` is available for a cost line, the cost line is NOT editable in the financial summary page.
- If `<editable>>false</editable>` is NOT available or it is changed to `<editable>>true</editable>`, the cost line is editable in the financial summary page.

**Note:** Note the following circumstances:

- Cost lines that are synchronized from staffing profiles, work plans, and time sheets are non-editable regardless of the setting of the `<editable>` property.
- If you disable manual adjustment on actual cost in project settings, actual cost is non-editable regardless of the setting of the `<editable>` property. Forecast cost is editable if the `<editable>` property is set to true, otherwise, it is non-editable.

## Recording Success Logs for More Background Services

The existing parameter `ENABLE_LOG_SUCCESS_SERVICE_LIST` enables recording process logs for specified background services if they run successfully.

Up till 9.42, the parameter supports four background services, which are:

- Cost Rate Rule Update Service
- Staffing Profile Financial Summary Sync Service
- FX Rate Update Service
- Cost Rollup Service

For details, see the *Installation and Administration Guide*, **Viewing Success Logs of Background Services** section.

## Performance Troubleshooting Toolkit

When you encounter performance issues when using PPM, you can open the following URLs without logging on to PPM. These URLs generate performance related information to help further solve the issues.

URL	What the URL does	Where the jsp files are stored
-----	-------------------	--------------------------------

<code>http://&lt;BASE_URL&gt;/itg/html/toolkit/cpu.jsp</code>	Identify the most CPU-intensive thread.	<code>&lt;PPM_HOME&gt;\server\&lt;NODE NAME&gt;\deploy\itg.war\html\toolkit</code>
<code>http://&lt;BASE_URL&gt;/itg/html/toolkit/dump.jsp</code>	Generate the heap dump and thread dump automatically.	
<code>http://&lt;BASE_URL&gt;/itg/html/toolkit/mem.jsp</code>	Check the usage of heap.	
<code>http://&lt;BASE_URL&gt;/itg/html/toolkit/transaction.jsp</code>	Check the connection pool and transaction.	

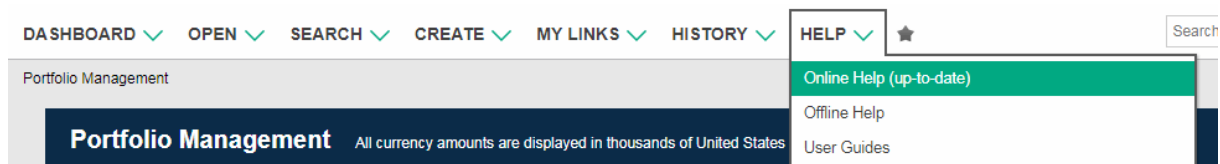
## Changes on Agile Projects Portlets

PPM used to synchronize data of all agile projects that are available in the agile tool server to the Agile Projects portlets. Starting from 9.42, only the data of selected agile projects are synchronized to the Agile Projects portlets.

For details, see *Integration Solutions Guide*, **Enabling Agile Projects Portlets** section.

## Help Center Enhancements

- Online Help Center (<https://ppm-help.saas.hpe.com>) is available from the menu **Help > Online Help**.



We update the online help whenever there are document changes, making sure it is always up to date.

Local help (offline help) is shipped with the product and allows no updates.

We recommend you use the online help. However, if you have no access to external network, use the offline help instead.

- Context-sensitive help is implemented for the following pages of Portfolio Management module.
  - When you are in one of these pages, clicking the online help link quickly opens the help topic pertaining to the page. It saves you the effort of searching the Help Center for wanted information.
    - Portfolio management landing page
    - View Portfolio Hierarchy page
    - Analyze Current Portfolio page
    - KPI Management page
    - View Portfolio page

For example, you are in the portfolio management landing page (from **Open > Portfolio Management**), and you click **Help > Online Help**. You are immediately redirected to the "Getting Started with Portfolio Management" help topic, instead of the Help Center home page.

Clicking the Online Help link on the other pages still goes to the Help Center home page.

Context-sensitive help is not implemented for the offline help.

## Encrypted Password Supported in webservices.conf

Encrypted password format is supported for the `<password>` attribute when you edit the `webservices.conf` file.

To use encrypted password:

1. Run the command `sh ./kEncrypt.sh <String_to_Encrypt>` in the `<PPM_Home>/bin` directory. It generates an encrypted string that starts and ends with the characters `#!#`.
2. Copy the whole string including the `#!#` marks for the password value.
3. Save the `webservices.conf` file and run the command `kUpdateHtml.sh script` in the `<PPM_Home>/bin` directory to update the configuration.

# Certifications

PPM 9.42 adds support for the following.

## PPM Server Operating System

- Oracle Solaris 11 Update 3
- SUSE Linux Enterprise Server 12

## PPM Client Operating System

- Mac OS 10.13 High Sierra

## PPM Server Database

- Oracle 12.2.0.1, Standard and Enterprise Edition (RAC and Non-RAC)

## Browser

- Mozilla Firefox 52 ESR
- Google Chrome 60
- Safari 10.1.2

## Fixes

PPM 9.42 includes the following defect fixes.

## Costing

CR	Problem	Resolution
QCCR1L63932	FX Rates Update Service does not update the actuals of any project after a rate is changed.	FX Rates Update Service updates the actuals of all projects after a rate is changed.
QCCR1L64188	It takes longer than expected to run the Cost Rate Rule Update Service even when there are only a few changes.	If there are changes in a cost rate rule that has specified a resource, the Cost Rate Rule Update Service processes only the projects, time sheets, and staffing profiles that have the resource.
QCCR1L64190	Cost Rate Rule Update Service works in an incorrect sequence: it should calculate time sheets costs before triggering the Cost Rollup Service.	Cost Rate Rule Update Service calculates time sheets costs before triggering the Cost Rollup Service.
QCCR1L64241	Data sync between staffing profiles and financial summaries is slow.	The performance of data sync between staffing profiles and financial summaries is improved.
QCCR1L64452	In the project overview page, the View Financial Summary button In the Project Cost portlet is not working.	In the project overview page, the View Financial Summary button In the Project Cost portlet redirects to the financial summary page.
QCCR1L64555	When you use a web service to add a financial summary forecast cost line that has some user data fields configured, the web service fails because a user data field is validated by SQL that includes tokens.	You can use web services to add financial summary forecast lines that have user data if the validation of user data fields are validated by SQLs that includes the following token: <ul style="list-style-type: none"> <li>• [FS.FINANCIAL_SUMMARY_ID]</li> <li>• [FS.FORECAST_ACTUAL_ID]</li> <li>• [SYS.USER_ID]</li> <li>• Tokens of other fields in the same user data.</li> </ul>

QCCR1L64763	If a project is created by the web service, its actual cost is not rolled up to the financial summary from the work plan.	If a project is created by the web service, its actual cost is rolled up to the financial summary from the work plan.
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## Dashboard

CR	Problem	Solution
QCCR1L62986	When you export a page to Excel, the exported file name is always displayed in English regardless of the login language.	The exported Excel file has its name displayed in the login language.
QCCR1L57995	When you export a dashboard page that contains pivot portlets to PDF, the pivot portlets are not displayed correctly in the exported file.	Pivots portlets are displayed correctly when exported to PDF.
QCCR1L63463	After the upgrade to 9.32.0004, SSL login does not work.	SSL login works as expected.
QCCR1L63651	When you export a portlet to Excel and directly open the file without saving it, the URLs for the requests are like "file:///... ". If you save the file, the URLs are still pointing to a "file" (in the temp folder on the client machine) and then if you click a URL, you get the error "Cannot open the specified file".	URLs for requests in an exported Excel file start with "http" or "https" and take you to the corresponding request page in PPM.
QCCR1L64668	When you export portlets to Excel, some date fields in the exported file are one day earlier.	When you export a portlet to Excel, the date fields in the exported Excel file are the same as they are in the portlet.

## Demand Management

CR	Problem	Solution
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QCCR1L49581	Fail to use web services to update financial summary forecast lines user data if the validation of a user data field is validated by SQL that includes tokens.	You can use web services to update financial summary forecast lines user data when the validation of a user data fields is validated by SQL that includes the following token: <ul style="list-style-type: none"> <li>• [FS.FINANCIAL_SUMMARY_ID]</li> <li>• [FS.FORECAST_ACTUAL_ID]</li> <li>• [SYS.USER_ID]</li> <li>• Tokens of other fields in the same user data.</li> </ul>
QCCR1L63737	When two table names in the from clause of a field's SQL validation have a line break or space, PPM cannot parse the SQL and generate wrong triggers.	When two table names in the from clause of a field's SQL validation have a line break or space, PPM can parse the SQL successfully. <p><b>Limitation:</b> PPM cannot parse the SQL where inner join between two tables exists in the from clause.</p>
QCCR1L63849	When you save a search, the total number of the search results will be saved too. The next time you run the search, the saved total number does not include new records that meet your search criteria.	PPM does not save the total number of records of saved search. Instead, it recalculates the total number every time you run the saved search.
QCCR1L63944	The autocompletion feature of IE memorizes the values that were previously selected. However, when you select a value from its proposed values, it does not trigger UI rules and the value is not saved. <p>PPM should either support or forcibly disable autocompletion.</p>	PPM disables IE's autocompletion feature.
QCCR1L64277	CPU usage goes up to 99% when doing load testing with proposals.	This is caused by Hibernate Dirty Check. PPM sets flush mode to manual to avoid unnecessary dirty check.



QCCR1L64317	When you add a request (the child) as reference to another request (the parent), and the child request is of a request type that has a bigger batch number than the parent request type, you will get an error "java.lang.IndexOutOfBoundsException".	You are now able to add a request as reference to another request no matter what is the batch number of the child request type.
QCCR1L64319	When you use the Quick Edit feature to edit a project field that has UI rule, PPM pops up an error that the update cannot be saved. However, when you open the project, the field is updated with a new value. The information is inconsistent in the quick edit page and project details page.	When you use the Quick Edit feature to edit a project field that has UI rule, your change to the field is not saved.
QCCR1L64407	In localized language sessions, it takes long to load the Request List portlet.	<p>The performance issue is caused by too frequent visiting of database for validation translations.</p> <p>A new parameter REQUEST_CONTEXT_SENSITIVE_VALIDATION_USED_IN_PORTLET is added to improve the performance.</p> <ul style="list-style-type: none"> <li>• When set to <code>false</code> (default value), PPM visits the database only once, that is when the portlet is first loaded regardless of language sessions, and retrieves the translations for all the validations.</li> </ul> <p>In this case, PPM does not translate the validation values that are particular to a request in the portlet, for example, the values of the ACL field "Project Manager". This greatly reduces the time to load the portlet.</p> <ul style="list-style-type: none"> <li>• When set to <code>true</code>, PPM keeps the old behavior: visit the database for the translation of every validation everytime loading a portlet line.</li> </ul>

## Deployment Management

CR	Problem	Solution
QCCR1L64108	Unable to migrate work plan templates in the clustered environment using kMigrator.sh.	Using kMigrator.sh, you can migrate Work plan templates in the clustered environment successfully.
QCCR1L64270	Cannot add attachment reference to a package because of the error "ORA-01086: savepoint 'LOCK_POINT' never established in this session or is invalid".	You can now add attachment reference to a package.
QCCR1L64348	The following error occurs when you manually run the sqlplus command of the Package History Report:  -bash: syntax error near unexpected token `('	If you encounter the error when running the sqlplus command of a report, add the following to the server.conf file:  ADD_QUOTES_FOR_DB_CONNECTION = true  This will automatically adds single quotes outside the command description.
QCCR1L64362	It is difficult to debug when AOL log and output file cannot be retrieved.	Two parameters are added to fix the issue: <ul style="list-style-type: none"> <li>• ENABLE_CONC_FILES_RETRIEVAL_DEBUG</li> <li>• ENABLE_SCP_CLIENT_DEBUG</li> </ul> By default, they are false. If you want to troubleshoot the concurrent request logs retrieval from Oracle EBS server to PPM server, set them both to true, then you can get detailed debugging message from the package line logs.  Even when the two parameters are false, if there are exceptions, the exceptions are always printed into the package line logs.

## Documentation

CR	Problem	Solution
QCCR1L64976	When you run some scripts like kStart.sh using Cygwin 2.8.0 or later on Windows, you encounter miscellaneous errors such as "Invalid username/password" or "Node cannot be found in server.conf" even when you provide correct information.	<p>This issue is caused by invalid file format of server.conf. You should convert the file from Windows mode to UNIX mode by using the dos2unix command:</p> <pre>dos2unix &lt;PPM_HOME&gt;/server.conf  # transfer logging.conf  cd &lt;PPM_HOME&gt;/conf dos2unix *.conf  cd &lt;PPM_HOME&gt;/bin dos2unix *.sh</pre>

## Integrations

CR	Problem	Solution
QCCR1L63997	When you connect to PPM from the Microsoft Project plug-in using SSO, the login form shows the "About HP Project and Portfolio Management Center" page of PPM. If you close the form manually, the "Invalid Username/Password" error appears.	You can connect to PPM from the Microsoft Project plug-in using SSO successfully.
QCCR1L64106	Creating a QC/ALM defect does not create a PPM request successfully. The PPM request stays in Not Submitted Status and cannot be submitted manually.	Creating a QC/ALM defect creates a PPM request successfully.
QCCR1L64126	DMS migration to external database fails due to ORA-01000: maximum open cursors exceeded.	DMS migration to external database succeeds without the error.

QCCR1L64135	When you add external predecessors for a task, the task itself should not be included in the task search result.	When you add external predecessors for a task, the task itself is excluded from the task search result.
QCCR1L64234	Document Version History does not list documents in the correct order.	Document Version History lists documents based on the version number in the ascending order.
QCCR1L64249	When you connect to PPM from the Microsoft Project plug-in using SSO, the invalid user password error appears even when your password is correct.	When your connection information is correct, you can successfully connect to PPM from the Microsoft Project plug-in using SSO.
QCCR1L64260	When you access PPM with SiteMinder authentication, dashboard pages cannot be displayed properly on some nodes.	When you access PPM with SiteMinder authentication, dashboard pages are displayed properly on all nodes.
QCCR1L64715	When you try to download a work plan as an MPP file, and some tasks in the work plan have contributor resources, the downloading fails with the error message "The download process failed. Please contact your Administrator for more information".	When some tasks in a work plan have contributor resources, you can still successfully download the work plan as an MPP file.
QCCR1L64006	When you change your Agile Manager account password, the background service External Work Plan Sync still continuously accesses your account with the outdated password. This makes your account lock for continuous incorrect login.	PPM allows you to provide an account whose password does not have to change. The background service uses this account for data sync between Agile Manager and PPM.

## Platform

CR	Problem	Resolution
QCCR1L59970	The patch information is not clear in the About HPE Project and Portfolio Management Center page.	The patch information is available in the About HPE Project and Portfolio Management Center page.
QCCR1L63794	Cannot add a program as a reference to a project.	You can now add a program as a reference to a project.

QCCR1L63952	When you export a request search result to Excel, the multi-select field values are separated with "#@#".	When you export a request search result to Excel, the multiselect field values are separated with semicolons.
QCCR1L64040	FX Rate Update Service commits all changes of staffing profiles in one transaction, which may cause OOME.	FX Rate Update Service commits changes of staffing profiles one by one.
QCCR1L64052	When you use Firefox to access the User Management Console, the page crashes.	The User Management Console is displayed as expected when you access it using Firefox.
QCCR1L64282	The database is locked by the following query: "Select * From QRTZ_LOCKS WHERE LOCK_NAME= :1 FOR UPDATE"	The race condition issue of Quartz that causes the problem is fixed.
QCCR1L64318	When you use Internet Explorer to access PPM, the resource <code>/itg/web/knta/global/images/favicon-whiteonred.ico</code> causes session timeout.	PPM makes <code>/itg/web/knta/global/images/favicon-whiteonred.ico</code> a static resource which does not cause session timeout.
QCCR1L64356	The Cost Rollup Service gets stuck and cannot be restarted.	The Cost Rollup Service does not get stuck unexpectedly.
QCCR1L64367	The token <code>STFP.STAFF_PROF_ID</code> is not supported in staffing profile position user data.	The token is now supported in staffing profile position user data.
QCCR1L64582	Cannot log in to a node directly from the server machine after the upgrade to 9.41.	You can log in to a node directly from the server machine.
QCCR1L64648	The <code>StringIndexOutOfBoundsException</code> error appears in the server logs.	The error does not appear in the server logs.
QCCR1L64774	For users who have the Project Management license and do not have the Demand Management license, after the upgrade to 9.40, these users are automatically given the Demand Management license.	<ul style="list-style-type: none"> <li>Upgrading PPM to 9.41 does not change the licenses a user already has in a previous version.</li> <li>In 9.40, selecting the Project Management license (when you either create a new user or modify an existing user) automatically selects the Demand Management license.</li> </ul>

QCCR1L64776	When you select the Project Management license for a user, the Demand Management license is selected automatically. However, the Demand Management license option should also be disabled.	Selecting the Project Management license for a user automatically selects and disables the Demand Management license.
QCCR1L64783	When you select the Program Management license for a user, the Demand Management and Project Management licenses are selected automatically. However, these two license options should also be disabled.	Selecting the Program Management license for a user automatically selects and disables the Demand Management and Project Management licenses.
QCCR1L64784	The Project Management license option in PPM Workbench should have the message "Requires Demand Management".	The Project Management license option in PPM Workbench now has the message "Requires Demand Management".
QCCR1L64910	PPM nodes outage happens frequently with ActiveMQ errors.	PPM nodes are running normally.

## Portfolio Management

CR	Problem	Solution
QCCR1L64872	Searching projects to add into a portfolio takes a long time if the number of projects is large.	The response time is reduced when searching a large number of projects to add into a portfolio.

## Program Management

CR	Problem	Solution
QCCR1L64105	In the program overview page, you cannot clear filters for the scope changes table.	You can clear filters for the scope changes table in the program overview page.

QCCR1L64122	Program start date and finish date vary in different time zones.	<p>To fix this issue, PPM changes the date format of scheduled start date and scheduled finish date of lifecycle entities. Program start date and finish date are the same in different time zones.</p> <p><b>Note:</b> If you use the function <code>FetchProgramContent.do</code> in your customized code, you should contact HPE Support for how to change the date format of scheduled start date and scheduled finish date of lifecycle entities.</p>
QCCR1L64580	After running the report <b>Run Field Security Denormalization</b> , newly added program managers cannot view the program's reference requests that use custom tokens for the user access and are added before the program is renamed.	After running the report Run Field Security Denormalization, all the program managers can view the program's reference requests that use custom tokens for the user access and are added before the program is renamed.

## Project Management

CR	Problem	Solution
QCCR1L61178	<p>Suppose you set the parameter <code>COST_CAPITALIZATION_ENABLED</code> to true, select "Calculate the forecasted labor costs from the staffing profile" in the the project settings, and create the staffing profile when the project request is in the Draft or Not Submitted status.</p> <p>The Expense Type field in the position window is not editable.</p>	Under the same circumstance, the Expense Types is now editable.
QCCR1L63464	The error "java.lang.NumberFormatException" occurs when you try to resize the date column of a work plan.	You can resize the date column of a work plan without the error.

QCCR1L64123	The Data Entry Error window pops up when you assign resources to a task using the <b>Edit &gt; Assignment</b> option.	No exception pops up when you assign resources to a task using the <b>Edit &gt; Assignment</b> option.
QCCR1L64366	The following error occurs when you run web services to update actual or forecast lines in financial summary:  "org.apache.axis2.AxisFault: The expense type Capital is invalid, costs are not being capitalized."	The error no longer occurs when you run web services to update actual or forecast lines in financial summary.

## Resource Management

CR	Problem	Solution
QCCR1L62899	Inactive resources should not be assigned to positions in staffing profile New UI.	Inactive resources cannot be assigned to positions in staffing profile New UI.
QCCR1L63884	If a position's period contains or is around Daylight Saving Time start date or end date, after saved and opened again, the period gets changed.	Position's period is not influenced by Daylight Saving Time. It is always the same as what you entered.
QCCR1L63962	It takes long to open the Compare to Work Plan page of a staffing profile.	The time it takes to open the Compare to Work Plan page for a staffing profile is decreased.
QCCR1L64222	When RESOURCE_FINDER_MINIMUM_SUITABILITY is set to 0, the resources whose suitability score is 0 do not appear in the resource finder.	When RESOURCE_FINDER_MINIMUM_SUITABILITY is set to 0, the resources whose suitability score is 0 appear in the resource finder.

## Time Management

CR	Problem	Solution
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QCCR1L49980	When you submit a time sheet and it gets automatically approved, you then rework a time sheet line which makes the time sheet violate the policy "Minimum hours allowed per Time Sheet", the time sheet should not get approved automatically.	An error message will be displayed when you rework a time sheet line that causes policy violation.
QCCR1L63971	If a project enables tracking time at the task level and allows project resources to log time on the project, resources assigned to the project's staffing profile cannot log time on the tasks of the project.	If a project enables tracking time at the task level and allows project resources to log time on the project, resources assigned to the project's staffing profile can log time on the tasks of the project.
QCCR1L64167	Cannot submit time sheets by PPM TM Submission app, because the TM Submission URL contains strings that is blocked by customer SSO configuration.	You can use TM Submission app to submit time sheets successfully.
QCCR1L64510	Suppose you add a task to a time sheet, and the task is then closed by the project manager. If you continue logging time against the task, saving the time sheet reopens the task and updates the percent complete value.	You can still log time against a task that is closed after being added into a time sheet. However, if you add the following to the server.conf file, the time logged against the task does not change its percent complete value or reopen it:  TM_CANNOT_REOPEN_CLOSED_TASK=true
QCCR1L64541	In time sheets, the option "Tab key goes to next: Item   Day" does not work in IE 11 in some clients.	In time sheets, the option "Tab key goes to next: Item   Day" works as expected in IE 11 in all clients.
QCCR1L64706	The time sheet data importer script (kTMDataConversion.sh) does not work after the upgrade to 9.41.	The time sheet data importer script now works as expected.
QCCR1L64870	It takes long to create a time sheet.	Creating a time sheet takes no more than 5 seconds.

QCCR1L64479	If a user has already marked his/her assignment 100% complete in the time sheet, the user should not be able to log time on the task again even when the task is not 100% complete.	If you do not want users who have completed their assignments on a task to continue logging time on the task, add the following in the server.conf file:  TM_CANNOT_ADD_ASSIGNMENT_COMPLETE_TASK=true
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## Upgrade

CR	Problem	Solution
QCCR1L64206	When you run the kDeploy.sh -i SP1 command to upgrade to 9.41, the following error information is found in the upgrade log file:  java.io.FileNotFoundException: ./server/-all/deploy/itg.war/WEB-INF/portlet.xml (No such file or directory)	The error no longer occurs when you upgrade PPM to 9.41 using the kDeploy.sh -i SP1 command.

# Chapter 5: Known Problems and Limitations in PPM 9.42

This software release has the following known issues and limitations. This is a cumulative list of known issues and limitations from PPM 9.40 till 9.42. The problems are categorized by the affected product area. If a problem has an assigned internal tracking number, the tracking number is provided (in parentheses) at the end of the problem description.

## Platform

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**Known Issue:** If a value in an ACL field value list contains the character ";", the value would be separated into two values by the character, and the last value in the list disappears. If the value contains two ";", it is separated into three values, and the last two values in the list disappear.

The total number of the values in the list always remains the same, the more ";" a value contains, the more values it is separated into, and the more other values disappear.

**Workaround:** None.

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**Known Issue:** Read-only fields in the edit epic page can be focused on in IE and Firefox.

**Workaround:** None.

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**Known Issue:** PPM encounters NullPointerException when restarted because of a known issue on the side of IBM JDK. For more information about this known issue, see <http://www-01.ibm.com/support/docview.wss?uid=swg11V80396>. (QCCR1L62987)

**Workaround:** Upgrade IBM JDK to a version where this issue has been fixed.

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**Problem:** PPM server crashes due to a JVM bug. (QCCR1L57796)

**Workaround:** None.

This is a known issue related to GZIP compression in Oracle Java Virtual Machine (for details, see [http://bugs.java.com/bugdatabase/view\\_bug.do?bug\\_id=8028216](http://bugs.java.com/bugdatabase/view_bug.do?bug_id=8028216)). If you see GZIP exceptions in the server log, you should set the parameter GZIP\_ENCODING\_ENABLED to false until Oracle fixes the issue.

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## Admin Tools

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**Known Issue:** When you edit the value of a parameter in Administration Console, include special characters in the value, and save the change, the value is displayed the same as your input. However, when you edit the same parameter for the second time and save the change, the value is not displayed the same as your input.

**Workaround:** None.

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## Program Management

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**Limitation:** Errors occur when you use user data of the file chooser type in programs.

**Workaround:** Use the user data of the attachment type instead.

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## Integration

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**Limitation:** When you download an MPP file in PPM-control mode, all tasks are created to have a fixed duration, and a date constraint is created to help ensure that the start date of the task is the same in MSP as it is in PPM. Otherwise, MSP will try to reschedule the work plan to have all tasks start as early as possible.

**Workaround:** Manually reschedule the task start date according to the date constraint.

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**Limitation:** When you download an MPP file in PPM-control mode, leaf tasks' data will not roll up to the summary task automatically.

**Workaround:** Click **Calculate Project** in Microsoft Project to correct the data.

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**Known Issue:** In PPM-JIRA integration, authentication will fail if the JIRA has limited the allowed maximum authentication attempts.

**Workaround:** Leave the setting "Maximum Authentication Attempts Allowed" blank so that you can have unlimited authentication attempts.

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## Platform

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**Known Issue:** When you open Program Overview page in Safari, sorting the Content table by a column whose name is not completely shown causes the column name to overlap.

**Workaround:** None.

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**Known Issue:** When you edit preferences for the Resource Request portlet in Safari, using some filters, such as the Resource Pool Manager filter, results in an "unknown element" warning.

**Workaround:** None.

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# Send Us Feedback



Let us know how we can improve your experience with the Release Notes.

Send your email to: [docteam@hpe.com](mailto:docteam@hpe.com)