HP Project and Portfolio Management Center

Software Version: 7.1

DRAFT

Release Notes for Service Pack 5

hp invent

Legal Notices

Documentation Updates

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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To register for an HP Passport ID, go to: www.managementsoftware.hp.com/passport-registration.html.

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What's New and What's Changed in Service Pack 5

This document provides an overview of the changes made to HP Project and Portfolio Management Center (PPM Center) for version 7.1 Service Pack 5 (SP5). It contains important information not included in the manuals. The section *Enhancements and Fixes in Previous PPM Center Version 7.1 Service Pack Releases* on page 73 also provides information about the changes introduced in all of the earlier service packs for PPM Center version 7.1.

Scope of this Service Pack

PPM Center version 7.1 Service Pack 5 is based on the feedback of the many early adopters of PPM Center 7.1, released in March 2007. It covers many aspects of the product, including upgrade and functional areas, and is larger than the earlier service packs. Due to the extended scope of this service pack, a new format is used for these release notes to make it easier to navigate the information. Future release notes will return to the standard format.

Certifications

The following t software certifications are new:

- Microsoft Office Excel and Project 2007

- EMC Documentum 5.3 Service Pack 5 (and Sun JDK 1.4.2_13) on Solaris 10 systems only

For information about the system requirements for PPM Center version 7.1 SP5, see the *System Requirements and Compatibility Matrix.*

Documents Revised for this Release

The following PPM Center documents have been updated in Service Pack 5:

- *System Requirements and Compatibility Matrix*

- *Upgrade Guide*

- *Service-Oriented Architecture: Web Services Guide*

- For Document Management users, the *Content Server Full-Text Indexing Installation Guide* has been renamed *Content Server Full-Text Indexing Installation and Administration Guide.*

Sections in This Document

The issues and fixes addressed in SP 5 are described in the following sections of this document:

Installing HP Project and Portfolio Management Center Version 7.1 SP 5

This section provides the instructions for installing the service pack.

Installation Notes

Before you begin to install the service pack, consider the following:

- The `<PPM_Home>/conf/cache.conf` file is overwritten when you install this service pack. A backup copy of `cache.conf` is also created. If you have previously tuned the parameters in the `cache.conf` file, you must reapply the settings before you restart the PPM Server.

- If you plan to use the HP Document Management module, you must install Documentum Foundation Classes (DFC) 5.3 before you install PPM Center version 7.1 SP 5. For instructions on how to install the DFC, see the *Document Management Guide and Reference* at the PPM Download Center (itg.merc-int.com/support/download/login.jsp).

For information about fixes related to installation, see *Installation Fixes* on page 11.

Installing PPM Center Version 7.1 Service Pack 5

The following installation procedure applies to all installations of the service pack.

HP strongly recommends that you install the service pack in your development environment first.

To install SP5:

1. Back up your database.

2. Stop the PPM Server.

   You cannot install the service pack on an active server. For information on how to stop and start the PPM Server, see the *System Administration Guide and Reference.*

3. Copy the service pack file `mitg-710-SP5.jar` to the `<PPM_Home>` directory.

The `<PPM_Home>` directory is the directory in which the PPM Server is installed.

4. Change to the `<PPM_Home>/bin` directory.

5. Start the installation using the following command:

   ```
   sh kDeploy.sh -i SP5
   ```

6. Follow the on-screen instructions to complete the installation.

7. Compile the new JSP files using the following command:

   ```
   sh kJSPCompiler.sh
   ```

8. Start the PPM Server.

Installation Fixes

The following table lists fixes related to installation in PPM Center version 7.1 Service Pack 5.

➤ For additional information about installation, see *Installation Notes* on page 9.

Tracking No. (Defect No.)	Description
1-688069533 (196365)	**Problem** If the upgrade did not disable database triggers before updating data, the upgrade failed. **Solution** The recycle bin is purged as part of the pre-upgrade process. This ensures nothing remains in the recycle bin when the upgrade process disables triggers.
N/A (193748)	**Problem** An error during the upgrade of the German language pack from 7.0 to 7.1 caused the upgrade to fail. **Solution** You can now upgrade the German language pack from version 7.0 to version 7.1 without encountering errors.
N/A (194133)	**Problem** Language pack deployment time increased significantly because of changes made to the Extract Tool. **Solution** The exception blocks to the Extract Tool have been backed out and the language pack deployment performance issue is resolved.
N/A (197121)	**Problem** The Microsoft Project Plug-in for PPM did not support Microsoft Project 2007. **Solution** The Plug-in for PPM now supports Microsoft Project 2007.

HP Demand Management Fixes

The following table lists the fixes related to HP Demand Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-517969487 and 1-636007903 (186059 and 195155)	**Problem** If a workflow contains a loop between a decision step and create request execution step where the execution step is set up to create a request with a predecessor relationship, the following is expected to occur: As the workflow goes from the decision to the execution step, and then closes or cancels the new request, the original request should show the action buttons when it is refreshed, since the predecessor relationship has been satisfied. This, however did not happen because the original request was cached, so that even after the user clicked **Refresh**, he did not see the action buttons. **Solution** Now, if the predecessor is closed or cancelled, then the successor request is removed from the cache. This way, as the request is refreshed, it is updated with current information from the database as to whether the request is still blocked.
1-639268883 (195343)	**Problem** If you were logged on to PPM Center as non-administrator user, and you tried to conduct a request search using the "%" character as a wildcard in a custom text field, the search timed out and returned no results. **Solution** You can now log on as a non-administrator and search for requests using the "%" character as a wildcard and see results without timing out or encountering an error.
1-643679013 (194624)	**Problem** If you used the query builder to search for requests, and you specified a request type name that contained the ampersand (&) character, an error occurred. **Solution** You can now specify a request type name that contains the ampersand character from the query builder without encountering an error.

Tracking No. (Defect No.)	Description
1-649071243 (195286)	**Problem** During request type command runs, the decrypted value for a password field was displayed if the password was used as part of other special commands. **Solution** Now only the encrypted value of a password is displayed.
1-652623043 (194987)	**Problem** On the request details page, the **Status** and **References** sections remained collapsed until you clicked **Expand All.** Selections you made on the page did not persist, even through a given session. **Solution** Now your selection persists, and an expanded section on the request details page remains expanded until you click **Collapse All.**
1-659480317 (195328)	**Problem** After you arranged the fields on the **Help Contents** tab alphabetically (in the Request Type Workbench), the fields were not displayed in alphabetical order on the request details page. **Solution** Now, the Help content fields on the request details page are displayed as specified in the Request Type Workbench.
1-664144183 (195395)	**Problem** If you deleted a request that had attachments, the attachments were not deleted from the file system. **Solution** You can now enable the Document Cleanup Service, which checks to determine whether the file system contains documents that are not associated with existing requests, and removes them from both the file system and the database. To set up the Document Cleanup Service, run the `kconfig.sh` utility, and do the following: ■ Set the `ENABLE_DOCUMENT_CLEANUP_SERVICE` parameter value to `true`. ■ To control how frequently the service runs, set the `DOCUMENT_CLEANUP_SERVICE_DELAY` parameter value. For more information about how to set server configuration parameters, see the *System Administration Guide and Reference.*

Tracking No. (Defect No.)	Description
1-673758083 (195833)	**Problem** If a user did the following from the Request Type Workbench: 1. Create a request header type and add the PFM Project field group to it. 2. Open the new request header type. 3. On the **Fields** tab, expand PFM Project, and then click the **Project Dependencies** field. …he expected the Field window to open, but it did not. **Solution** You can now open the Field window and configure the **Project Dependencies** field for a request header type.
1-676180913 (195730)	**Problem** In a table component overview (not in the details), the value <!--HTML--> was not rendered as HTML. **Solution** Now the text in a table component that starts with `<!--HTML-->` is rendered as HTML without escaping the `<` to `<` in this kind of text.
1-683642387 (196046)	**Problem** If you set the **Display on Search and Filter** option to **No** for a field in a request type, and then saved the request type, the field was still displayed on the Search page standard interface after you clicked **Advanced Search.** **Solution** Now, if you specify that a request type field not be displayed on search and filter, the field remains hidden during request searches.
1-689555233 (196083)	**Problem** If you moved your cursor over a referenced attachment, and the attachment name contained an apostrophe, then the tooltip text, which is expected to display the full name of the document file did not. **Solution** Now apostrophes in attached file names are correctly escaped and the tooltip works as expected.

Tracking No. (Defect No.)	Description
1-690430253 (196170)	**Problem** If you attached the PFM Proposal field group to the request header and the header was then attached to the request type, the **Project Manager** field was displayed as a multi-select control at the header level, but was displayed as single-select in the Request Type Workbench. **Solution** Now the **Project Manager** field is consistent at the header level and at the request type level.
1-696332548 (196366)	**Problem** If you created a request of a type to which you had added an attachment field, and you then added Help content to the attachment field, the font size on the field label changed, and the validation type was wrong. **Solution** Now, if you add Help content to an attachment field in a request, the validation type and label font size do not change.
1-699069713 and 1-700685022 (196608, duplicate of 196607)	**Problem** Status dependencies were not enforced after a new entity was first submitted. The entity transitioned from the initial Not Submitted state to the status specified in the first step of the workflow. **Solution** Status dependencies are now correctly enforced for workflows that include required fields at the Not Submitted state.
1-703943670 (196819)	**Problem** If the "lookahead" page opened (from the Batch Update page) so that you could fill in values for required and reconfirm fields, and those field values and their validations depended on other fields listed on the Batch Update page, then the values used were the ones from the first request listed on the Batch Update page. As a result, you could enter incorrect data for a field when asked to reconfirm a value. **Solution** Now, the values selected are from the editable row on the Batch Update page, and not from the first request listed on that page.

Tracking No. (Defect No.)	Description
1-703943678 and 1-703943713 (196818 and 197137)	**Problem** Field clearing rules were not being enforced. Example: If the value for field B was required for a particular request status and a rule was set to clear field B whenever the value in field A changed, when (on the Batch Update page) you entered values for field A and then field B, and then clicked Save, an error message indicated that the value could not be cleared from field B for this status. The system did not recognize that a value was entered in field B. **Solution** Field rules for clearing fields now work correctly for the request batch update functionality.
1-703943695 (196844)	**Problem** On the Batch Update page, if a field has the same value in all of the selected requests, then the editable component for that field is pre-populated with the common value. When you clicked **Save,** the Confirmation window listed these fields even though you had not changed them. The Confirmation window listed all the fields that had a value in the editable component on the Batch Update page. **Solution** Now, a field is listed only if its value has changed.
1-703943765 (196881)	**Problem** Even if you clicked **Cancel** on the "lookahead" page, the message displayed on the batch update page (if no errors occurred) was that '<n> out of <n> requests were successfully updated.' While this was correct, it caused confusion since clicking Cancel on the lookahead page saved your updates from the earlier page but not from the lookahead page itself. **Solution** Now, if the user clicks **Cancel** on the lookahead page, the displayed message contains the additional text 'Updates from the lookahead page were not applied since "Cancel" was selected.'

Tracking No. (Defect No.)	Description
1-708052513 (196968)	**Problem** Business update rules were not firing properly in Batch Update, thereby preventing updates. Request type rules on the request details page override the non-updateable status dependency for the request fields. This means that if a field is supposed to be non-updateable based on the status dependencies for any request status, the user cannot update the field, but the update can occur via a rule being triggered by changing the value for another field. The batch update page was not supporting this. **Solution** Now HP Demand Management recognizes whether a value is being set by a user or a rule. If the user supplies the value, it is not updated, but if a rule supplies the value, the update is allowed. The behavior of the request Batch Update page for fields set by rules is now similar to that of the request details page.
1-713765013 (197089)	**Problem** On an instance upgraded from 6.0 SP14 to 7.1 SP3, if you tried to create a project from a workflow execution step, an error occurred. **Solution** You can now generate new projects using the create project execution step from requests.
NA (167214, duplicate of 196483)	**Problem** Dynamic security did not work for workflow steps that contained the Approve (All Users) decision step. **Solution** Dynamic security for decision steps that require unanimous (All) action is evaluated any time a request, package, or release to which the workflow is applied is saved.
NA (169454)	**Problem** If a request had an Attachment field with a required status dependency, you could enter a value for the field, and then once the transition was completed, remove the attachment and save the request. The check to determine whether an Attachment field is required was broken. **Solution** The check to determine whether an attachment field is required is now working.

Tracking No. (Defect No.)	Description
NA (193477)	**Problem** Value sent for fields using Web services are sometimes overridden by values based on rules set up for those fields. **Solution** Now the field values sent using Web services are not overridden.
NA (194217)	**Problem** Portlets that used certain data sources could only display demand based on the default demand set, without regard to the demand set selected. **Solution** The data sources that caused this problem were replaced, and the portlets now display demand based on the demand set selected.
NA (194721 and 194759)	**Problem** If you configure a request type field that has the field description override the prompt, and the field description starts with the '!' character, then whenever the field is displayed in the product, the text that comes after the '!' should be displayed instead of the field prompt value. The query builder auto-complete and column selector ignored the replacement text and displayed the field prompt value itself. **Solution** Now the replacement field value is picked up correctly and displayed instead of the field prompt value.
NA (194722)	**Problem** If you ran the Request Details Report with **Show Contents of Table Fields** enabled, the tables columns and contents were displayed without showing the totals at the ends of rows. **Solution** If **Show Totals** is selected for at least one column in a table, the new **Totals** row displays the totals.
NA (194725)	**Problem** Disabled fields of the table component were displayed on the request details page. **Solution** Now disabled fields of the table component are not displayed on the request details page.

Tracking No. (Defect No.)	Description
NA (195857)	**Problem** The Web Services Description Language (WSDL) content displayed in the PPM Center URL is incorrect. **Solution** Now the correct content is displayed.
NA (196808)	**Problem** The copy request special command was not parsing the `REQUEST_TYPE_ID` parameter correctly, so that the command did not work at all if this parameter was set. **Solution** The copy request special command now works with the `REQUEST_TYPE_ID` parameter.
NA (197021)	**Problem** Changes made to request types and saved were not apparent in requests of the type modified because the system was displaying stale cached data. **Solution** Now, current data is retrieved and recent changes are evident.
NA (197034)	**Problem** If you tried to use the date selector to specify a date in non-US format (in working with requests, budgets, reports, and so on), a message warned that you were using the wrong date format. **Solution** The date selector now handles non-US date formats correctly.
NA (197256)	**Problem** If **Contact Name** was a required/reconfirm field, on the "lookahead" page when saving requests from the Batch Update page, a NullPointerException error occurred. **Solution** Now, you can save requests for which **Contact Name** is a required/reconfirm field from the Batch Update page without encountering a NullPointerException error.

Upgrade-Related Fixes

The following table lists fixes related to upgrading PPM Center.

Tracking No. (Defect No.)	Description
1-644895233 (194842)	**Problem** When upgrading from Mercury IT Governance Center (ITG) version 6.0 to PPM Center version 7.1, content for description, benefit, and notes columns in table `KPMO_Programs` (ITG version 6.0) was truncated in table `PM_PROJECTS_CONTAINERS` (PPM Center version 7.1). **Solution** Column sizes in PPM Center version 7.1 have been increased to match column sizes in ITG version 6.0.
1-675472803 (196049)	**Problem** The upgrade to HP Project and Portfolio Management Center Release 7.1.0 failed because the DDL for `WP_TASK_INFO` table was incorrect. The table declared the length of the "Name" field as varchar2(300) instead of varchar2(300 char). The length of the "Name" field should be declared in chars, and not bytes. **Solution** The length of the "Name" field is now declared as varchar2(300 char).
1-688069533 (196365)	**Problem** If the upgrade did not disable database triggers before updating data, the upgrade failed. **Solution** The recycle bin is purged as part of the pre-upgrade process. This ensures nothing remains in the recycle bin when the upgrade process disables triggers.
1-689533903 (195744, 195860, 196139, 196117, 196444, and 196445)	**Problem** Upgrade from Mercury IT Governance Center 6.0 to PPM Center 7.1 took far too long to complete. **Solution** The request open interface was rewritten, Dashboard upgrade code has been improved with data model changes. Performance is significantly improved.

Tracking No. (Defect No.)	Description
NA (165391)	**Problem** After upgrading from PPM Center version 6.0 to version 7.1, users could not search projects or submit projects. The **Search** and **Submit** menu items did not work because they pointed to new request types that are part of the PPM Center 7.1 Best Practices content. **Solution** You must either install Best Practices or edit the links in the PPM Dashboard menu XML files to point to the new PPM Center 7.1 request types.
NA (196184)	**Problem** Upgrade from Mercury IT Governance Center 6.0 to PPM Center 7.1 with switched logging off failed with the following error: java.sql.SQLException: ORA-01555: snapshot too old: rollback segment number 1 with name "_SYSSMU1$" too small ORA-06512: at line 2778 **Solution** This was fixed along with performance fixes. However, the rollback segment tablespace should at least be 10 GB and undo_retention parameter value should be set to at least be 6 hours.
NA (187839, related to 190556)	**Problem** After an upgrade from Mercury IT Governance Center 6.0 to PPM Center 7.1, the database contains invalid objects. **Solution** The obsolete objects that remain invalid in the database were dropped.

Performance-Related Fixes

The following table lists performance-related fixes in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-689533903 (195744, 195860, 196139, 196117, 196444 and 196445)	**Problem** Upgrade from Mercury IT Governance Center 6.0 to PPM Center 7.1 took far too long to complete. **Solution** The request open interface was rewritten, Dashboard upgrade code has been improved with data model changes. Performance is significantly improved.
NA (178428)	**Problem** After you open the Schedule Workplan window (or other window such as Create a Base Line that has no auto-complete fields), the progress bar continues to show incremental progress, but never finishes (Internet Explorer only). **Solution** The problem has been addressed and the progress indicator now correctly indicates completion of the process.
NA (191441)	**Problem** During any large deployment, much of the total response time CPU was spent in token parsing. **Solution** The performance of security token resolution in workflows during large deployments has been significantly improved.

Platform-Related Fixes

The following table lists platform-related fixes in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-543745263 (187765)	**Problem** A user who had the Time Management license assigned could not access View My Resource Information. A user had to have either the Demand Management license or the Project Management license to access View My Resource Information. **Solution** Now a user who has the Time Management license can access View My Resource Information.
1-597847903 (192692)	**Problem** The validations auto-complete (related to requests) enabled the browser **BACK** button and allowed users to select incorrect values. **Solution** Disable **BACK** button for auto-complete validations. User must click **OK** or **Cancel** to exit the auto-complete.
1-609213823 (193876)	**Problem** SiteMinder had blocking against CSS attacks turned on and as a result, it rejected URLs that contained the characters "<",">", or "". **Solution** Escape the preference values before putting into URL and de-escaping them to its original value after receiving them.
1-630980173 (194360)	**Problem** The `KSC_STORE` command failed if a user entered more than 200 characters. **Solution** Maximum values for local variables were significantly increased. Now a `KSC_STORE` command run is unlikely to fail as a result of exceeding the maximum characters allowed.

Tracking No. (Defect No.)	Description
1-632488093 (194165)	**Problem** The `-debug` flag of `kStart` was not working because the command is supposed to run in the background, but the & was missed out for the `-debug` flag. So, when `kStart` was invoked, it ran in the foreground and did not return to the console. **Solution** The `-debug` command was modified so that control now returns to the prompt after `kStart` is invoked.
1-639305099 (194482)	**Problem** After upgrading to PPM Center version 7.1, it was no longer possible to use the `PRJ.MASTER_PROJECT_ID` and `PRJ.PARENT_PROJECT_ID`o project tokens in task user data. The following tokens are no longer supported: ■ `PRJ.MASTER_PROJECT_ID` (replaced by `PRJ.PROJECT_ID`) ■ `PRJ.PARENT_PROJECT_ID` (replaced by `TSK.PARENT_TASK_ID`) **Solution** The following token set now works: ■ `TSK.TASK_ID` ■ `TSK.PARENT_TASK_ID` ■ `PRJ.PROJECT_ID`
1-665146463 (195433)	**Problem** In working with activities, you could only use lowercase characters to set the value of the `COST_CAPITALIZATION_ENABLED` parameter. For example, "true" worked, but "TRUE" or "True" did not. **Solution** The `COST_CAPITALIZATION_ENABLED` server configuration parameter is no longer case-sensitive.
1-665861773 (195570)	**Problem** Although a user logged on to PPM Center as an administrator could submit a program issue, a program manager with all of the required access grants could not. **Solution** The Create Program access grant was added to the default PPM All Access Grants security group. To create a program, a user must have either the Manage Programs access grant or the Create Program and Edit Program access grants.

Tracking No. (Defect No.)	Description
1-676123537 (195985)	**Problem** The seeded region code for Romanian currency was outdated ("ROL"). **Solution** The seeded region code for Romanian currency is now correct ("RON").
1-688880217 (196197)	**Problem** In PPM Center version 7.1 Service Pack 2, if you specified that the execution step must "Finish Execution before displaying the request page to the user," the flag was ignored and the request was displayed before the execution finished. **Solution** Now, if you specify that the execution step must be completed before the request page is displayed, the user only sees the request detail page after the execution is completed.
1-689533903 (196139, 195744, and 196117)	**Problem** HP Project Management and HP Resource Management upgrade performance was poor. (Upgrading projects and related data took several hours to complete.) **Solution** Changes to the application and the upgrade should significantly improve PPM Dashboard, HP Project Management, and HP Time Management upgrade performance.
1-711250553 (196957)	**Problem** The XML SOAP response returned by the PPM Server was truncated when there were field note transaction changes. **Solution** Now the PPM Server returns a complete XML SOAP response, even with field note transaction changes.
1-724552671 (197644)	**Problem** On Windows systems, if PPM Center is started using NT services, users cannot log on to JMX with the correct username/password combination. **Solution** The correct startup parameters for JMX authentication were added to the NT service. Users can now successfully log on to JMX after PPM Center is started using NT services.

Tracking No. (Defect No.)	Description
No Ticket # (194525)	**Problem** Index definitions were incorrect. The indexes KNTA_USERS_FI1 through KNTA_ USERS_FI4 had the column expression FIRST_NAME, LAST_NAME, and so on. **Solution** Functional Indexes that use UPPER, namely `KNTA_USERS_FI1` through KNTA_ USERS_FI4, are now created and ported to the mainline.
NA (166655)	**Problem** JBoss security concerns existed. **Solution** JBoss has been upgraded and security related to JBoss is no longer a concern.
NA (184580)	**Problem** The Browse Work Plan Templates and Browse Project Types links are visible to (but not usable by) a user who has all available licenses, but no access grants. **Solution** The Browse Work Plan and Browse Project Types links are now visible to a user who has the View grant, not the Edit grant. (Manage and Browse menu items are never displayed at the same time because they point to same page but with a slightly different layout.)
NA (185026)	**Problem** Object Restrictions are copied to the **Restricted** column even though the **Object Restrictions** option was set to **No** in the Copy Workflow window. **Solution** If **Object Restrictions** is set to **No,** the workflow copy will display all object types in allowed columns.
NA (185981)	**Problem** If you created any kind of PPM Center entity (in HTML) with a valid file chooser field and related valid directory chooser field (for example, any request), and you populate the directory chooser field with valid values, the find function cannot locate files based on file type and file name. **Solution** The file chooser now filters files based on file type and file name.

Tracking No. (Defect No.)	Description
NA (187839)	**Problem** After upgrading from PPM Center version 6.0 to 7.1, the database contained invalid objects. **Solution** The objects that remain invalid in the database are now removed during the upgrade process.
NA (189136)	**Problem** If you used certain time zone settings, you encountered an error. **Solution** The system now supports both GMT and UTC offsets. Non-US date formats are now correctly handled.
NA (189731)	**Problem** If you performed a resource search, any resources you created on the same day as the search were not returned in the search results. **Solution** Resources created on the current day are now returned in search results.
NA (191441)	**Problem** During any large deployment, much of the total response time CPU was spent in token parsing. **Solution** The performance of security token resolution in workflows during large deployments has been significantly improved.
NA (192497)	**Problem** The session timeout for `itg.war` was excessively long and resulted in problems with Web services. **Solution** The session timeout in `web.xml` has been reduced from 4200 minutes to 120 minutes.

Tracking No. (Defect No.)	Description
NA (192707)	**Problem** SiteMinder remained open in the browser window after you logged out of PPM Center. **Solution** To log out of a SiteMinder session, enable the following parameter in the AgentConf Object configuration: ■ `LogoffUrl=/itg/web/knta/global/Logout.jsp` SiteMinder will clear its session data after the PPM Center **SIGN OUT** button is clicked.
NA (193315)	**Problem** Database passwords were displayed if the PPM Center system was set to DEBUG mode. **Solution** Now when hibernate packages are set to debug mode in the logger, the password is not displayed.
NA (193393)	**Problem** The **Previous** and **Next** buttons on the Access Grant validation page were always disabled. **Solution** Now, if the total number of pages is less than numberButton.length (which is 5), the **Previous** and **Next** buttons are enabled.
NA (193718)	**Problem** in PPM Center, if you navigated to any page that contained an auto-complete or pop-up window, and you allowed the session to time out, the page that you navigated to was not displayed correctly after you next logged in. **Solution** Now, if you navigate to a page that contains an auto-complete or pop-up window, and you allow the session to time out, the page is displayed correctly after you next log in.
NA (196157)	**Problem** Icons are out of scope so that you had to scroll to click the **Status** button. **Solution** Increased dialog dimensions now minimize scrolling required by the user.

Tracking No. (Defect No.)	Description
NA (196184)	**Problem** The data migration phase of the upgrade failed. **Solution** Changes to improve upgrade performance were introduced in Upgrade Release 6. However, your rollback segment tablespace must be at least be 10GB and undo_ retention should be set to at least 6 hours.
NA (196823)	**Problem** You could not create a new request type from the Request Type Workbench. **Solution** You can now create a new request type from the Request Type Workbench.
NA (196869)	**Problem** Obsolete tables remained in the PPM Center version 7.1 data model. **Solution** The following obsolete tables were removed from the PPM Center version 7.1 data model: ■ FM_COST_FACTOR_VALUES ■ FM_COST_RATE_RULES ■ ITG_HEALTH_RULES ■ ITG_HEALTH_SETTINGS ■ ITG_LOCKERS ■ ITG_LOCKER_DETAILS ■ ITG_PERIODS ■ PM_EXCEPTION_RULE_CONFIGS ■ PM_EXCEPTION_RULE_CONFIG_PROPS ■ PM_SCHD_CONST_VIOLATIONS ■ PM_TASK_OWNERS ■ PM_TASK_SECURITYGROUPS ■ REL_PROFILE
NA (196946 and 192739)	**Problem** Program search for attachments in the Document Management module did not work. **Solution** Now searching for attachments in the Document Management module returns expected results.

Tracking No. (Defect No.)	Description
NA (197084)	**Problem** In Chapter 5 of the *System Administration Guide and Reference* (version 7.1) step 5 in "Setting the Server Configuration Parameters" instructed you to add the `WEB_ SERVER` parameter to the `server.conf` file. This is no longer a necessary step, and specifying the `WEB_SERVER` parameter now causes problems if you use HTTPS. **Solution** The step for adding the `WEB_SERVER` parameter to the `server.conf` file was removed from the *System Administration Guide and Reference.* If your `server.conf` file contains this parameter, remove it.
NA (197224)	**Problem** The server configuration parameter `MULTICAST_LEASE_MILLIS` determines the amount of time that must elapse after the PPM Server heartbeat stops, before the PPM Server is considered terminated. The default value was 20000 milliseconds, or 20 seconds. However, because a full garbage collection on the PPM Server could take up to 15 seconds, it is possible that the primary PPM Server misses one heartbeat. As a result, the services running on primary server automatically failover to the secondary server, even though the primary PPM Server was still active. **Solution** The default value for the server configuration parameter `MULTICAST_LEASE_ MILLIS` was increased from 20000 to 60000 ms (20 to 60 seconds).
NA (197234)	**Problem** Required: Isolation of PPM Server service execution to application JVMs other than those that handle incoming user requests. **Solution** The server configuration parameter `SERVICES_ENABLED` flag was added. If this is set to `false,` no background services are started.

PPM Dashboard

The following table lists the fixes associated with the PPM Dashboard in Service Pack 5.

Tracking No. (Defect No.)	Description
1-11111 (196898)	**Problem** An error could occur when migrating a portlet or PPM Dashboard module from one instance to another. **Solution** The software was changed so that modules, portlets, and PPM Dashboard modules can consistently be migrated successfully.
1-558062899 (188711)	**Problem** If a user scrolled down the menu bar on the left of the standard interface and clicked + to expand one of the main menu items near the bottom (such as Reports, Administration, or Product Information), the menu immediately jumped back to the top, hiding the expanded menu such that the user had to scroll down again to see it. **Solution** The software was changed so that the menu bar stays at the same position after any menu item is expanded.
1-632226153 (194421)	**Problem** Dashboard pages were getting refreshed every minute rather than the number of minutes specified on the Edit page for the Personalize Dashboard page. **Solution** The software was changed to refresh PPM Dashboard pages at the rate specified on the Edit page.
1-639254833 (194457)	**Problem** If a custom builder portlet had been created as a pie chart or a bar chart and as a drill-down portlet (a portlet from which you can drill down), and if you used the **Display as** field (drop-down list) in the portlet to change its visualization from a pie chart or a bar chart to a list, then you could not drill down from the portlet's list visualization. **Solution** The software was changed so that, after using the **Display as** field to change the portlet visualization from a pie chart or a bar chart, you can drill down from the portlet's list.

Tracking No. (Defect No.)	Description
1-657512293 (197123)	**Problem** Regardless of the width of the columns for the Resource Pool List portlet's three fields (**Resource Pool, Resource Pool is for,** and **Pool Manager**), their text was truncated after a fixed number of characters. **Solution** The software was changed to wrap the text for each field on multiple lines as necessary, instead of truncating it.
1-668310538 (195642)	**Problem** Totals displayed in pie chart portlets were incorrect when individual values were not integers. (Individual values were rounded down to the nearest integer, then added, so the sum was an integer.) **Solution** The software was changed to display correct totals without rounding off any values.
1-691915193 and 1-701934817 (196178 and 196634)	**Problem** When personalizing the PPM Dashboard by adding preconfigured pages, the Add Preconfigured Pages window was too small in both horizontal and vertical dimensions, and required scrolling that should not be necessary. **Solution** The software was changed to display a larger Add Preconfigured Pages window and eliminate the need for scroll bars.
NA (191034)	**Problem** When the Program List or the Program Project List portlet was exported to Excel, the health icons for Issues, Risks, and Scope Changes were not displayed in the Excel spreadsheet. **Solution** The software was changed to display the health icons correctly.

Tracking No. (Defect No.)	Description
NA (192237)	**Problem** From a portlet having the capability to drill down to a List portlet, when you drilled down to the List portlet and clicked on the **Next** button, rather than displaying the next set of list data, the portlet was maximized. **Solution** The software was changed so that clicking the **Next** button in the List portlet presents the next set of list data.
NA (195421)	**Problem** If a scenario comparison in the Budget Summary portlet contained any graphical data and you exported the portlet to PDF, only the portlet's header was exported to the PDF file. **Solution** The software was changed to correctly export the complete portlet to the PDF file.

HP Deployment Management Fixes

The following table lists the fixes related to HP Deployment Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-523904243 (190408)	**Problem** If you used the workflow migrator option **Replace Existing Workflow,** all subworkflows were also replaced. This caused code to be migrated unexpectedly. **Solution** You can now import a workflow without importing its subworkflows and vice versa.
1-642083803 (195149)	**Problem** The **Access** tab for the Package List portlet lists no default access grants. **Solution** The following access grants were added to the **Access** tab for the Package List portlet: ■ View Packages ■ Edit All Packages ■ Edit Packages
1-643708873 (196928)	**Problem** Migration of a particular workflow failed. **Solution** Now the workflow can be successfully migrated.
1-659474393 (195341)	**Problem** The Package List portlet data source contained a typographical error. **Solution** The typographical error in the Package List portlet was corrected.

Tracking No. (Defect No.)	Description
1-685560003 (196362)	**Problem** If you used the ksc_copy special command to copy a file with VCP or SCP, and the file path name contained a space, the copy failed. **Solution** Now you can use the ksc_copy command to copy a file with VCP or SCP, even if the file path name contains spaces.
1-688286383 (196072)	**Problem** During a package run, the VCP command failed if the password contained special characters. **Solution** You can now successfully run a package when the password contains special characters.
1-689868742 (196085)	**Problem** If you tried to add a package to a new release after clicking the **Package No** column (to sort the packages listed), and then selected a package name, the wrong package was added to the release. **Solution** Now if you sort the **Package No** column, and then select a package to add, the correct package is added.
NA (169738)	**Problem** If you submitted a package as a predecessor for a request, and then ran the Packages Pending report, the **Schedule Date** column in the resulting report displayed only the time zone, and no date values **Solution** Now the **Schedule Date** column in the Packages Pending report displays date values, and not the time zone.

Tracking No. (Defect No.)	Description
NA (197126)	**Problem** Drilling down to details in the Package List portlet returned unexpected results. **Solution** Drilling down for details in the Package List portlet now returns the expected results. **Impact** The Package List portlet will be missing from all the pages and modules that reference it. You must add the java version of the Package List portlet to these pages and modules.
NA (197718)	**Problem** Drilling down to details in the Package List portlet returned incorrect results. **Solution** Drilling down for details in the Package List portlet now returns the expected results.

HP Financial Management Fixes

The following table lists the fixes related to HP Financial Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-616860233 (194489)	**Problem** On the Manage Financial Exchange Rates page, if you clicked **Add a Currency,** select the currency to add, and then typed a value greater than 1000 in an **Exchange Rate** field, an error message advised you that your entry was invalid. **Solution** You can now enter values up to and including 100000 in an **Exchange Rate** field.
1-636344929 (194543) (Duplicate of 192255)	**Problem** The "Will this Budget have capitalized Costs" flag was not saved for new budgets. **Solution** The capitalized costs flag selection on budgets is now retained throughout budget creation and modification.
1-667203585 (195543)	**Problem** When viewing a project plan budget, if a project was designated as Capitalizable or not Capitalizable (cost capitalization was enabled or disabled), the actual project cost drill-down page always displayed Labor/Non-Labor costs. **Solution** When viewing a project plan budget, if cost capitalization is enabled, the actual project drill-down page displays capital and operating expenses. If cost capitalization is disabled, the actual project drill-down page displays Labor/Non-Labor costs.
1-690953703 (196817)	**Problem** The value in the **Proposal Benefits: Total Planned** field in the Project Life Cycle Listing portlet was incorrect. **Solution** The value for the cost total amount for currency is corrected.

Tracking No. (Defect No.)	Description
N/A (164014)	**Problem** When the `server.conf` parameter `BUDGET_IN_WHOLE_DOLLARS` was set to true, numbers displayed represented thousands (for example, 45 represented 45,000). Users also wanted to view hundreds or less by using decimals (for example, 31.25 would represent 31,250). **Solution** To view integers that represent thousands and decimals to represent hundreds, a new parameter, `BUDGET_IN_THOUSAND_SHOW_DECIMAL,` must be added to the `server.conf` file and set to true. Also, the `BUDGET_IN_WHOLE_DOLLARS` parameter must be set to false. If `BUDGET_IN_WHOLE_DOLLARS` is set to true, the `BUDGET_IN_THOUSAND_SHOW_DECIMAL` parameter is ignored. Values displayed are whole numbers. For example, 123567 represents 123,567. If `BUDGET_IN_WHOLE_DOLLARS` is set to false and `BUDGET_IN_THOUSAND_SHOW_DECIMAL` is set to false, values displayed are integers that represent thousands. For example, 123 represents 123,000. If `BUDGET_IN_WHOLE_DOLLARS` is set to false and `BUDGET_IN_THOUSAND_SHOW_DECIMAL` is set to true, values displayed are integers and decimals. Integers represent thousands and decimals represent hundreds. For example, 123.567 represents 123,567. **Impact** There is a new server.conf parameter: `BUDGET_IN_THOUSAND_SHOW_DECIMAL.`
N/A (197169)	**Problem** A long project name (greater than 100 characters in length) cannot be used as a default budget or benefit name because a project name can be up to 300 characters while a budget or benefit name is limited to 100 characters. **Solution** If a long project name is used as a default budget or benefit name, the budget or benefit name is truncated to 100 characters in length.

HP Portfolio Management Fixes

The following table lists the fixes related to HP Portfolio Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
2214578126 (181612)	**Problem** After you chose the **Selected active projects** option for the **Include Projects** field on the Create Scenario Comparison page, some of the active projects were not listed for selection when you clicked the option's auto-complete. **Solution** The software was changed so that all active projects (to which you are allowed access) appear in the auto-complete list, regardless of whether HP Financial Management is enabled for a project. The same list is added to the Create Scenario Comparison page when you select the **All active projects** option.
1-629378933 (194162, and duplicate defect 192671)	**Problem** When the user clicked any of the Scenario Content column names in a scenario comparison in order to re-sort the rows, sorting did not work. **Solution** The software was changed so that sorting works correctly.
1-688104312 (196079)	**Problem** After you chose the **Selected active projects** option for the **Include the following projects in graph** field on the Analyze Current Portfolio page, some of the active projects were not listed for selection when you clicked the option's auto-complete. **Solution** The software was changed so that all active projects (to which you have access) appear in the auto-complete list, regardless of whether HP Financial Management is enabled for a project. The same list is added to the Analyze Current Portfolio page when you select the **All active projects** option.

HP Program Management Fixes

The following table lists the fixes related to HP Program Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-644895233 (194842)	**Problem** When upgrading from Mercury IT Governance Center (ITG) version 6.0 to PPM Center version 7.1, content for description, benefit, and notes columns in table KPMO_Programs (ITG version 6.0) was truncated in table PM_PROJECTS_ CONTAINERS (PPM Center version 7.1). **Solution** Column sizes in PPM Center version 7.1 have been increased to match column sizes in ITG version 6.0.
1-698586473 (196578)	**Problem** The Program Risk List portlet displayed duplicate entries. **Solution** The Program Risk List portlet no longer displays duplicate entries.
1-717783113 (197151)	**Problem** When searching for projects, if the search excluded finished products, finished products were still included in the count on the page but were not displayed. See also 1-668394993 and 1-677653913. **Solution** When searching for projects, if the search excludes finished products, finished products are not included in the count on the page and are not displayed.
N/A (184730)	**Problem** A user with Edit Programs access grant could not create a new program. However, the Edit All Programs access grant gave too many privileges to the user. **Solution** A new access grant, Create Programs, has been added. The user must have both Edit Programs and Create Programs access grants to create a new program.

Tracking No. (Defect No.)	Description
N/A (185335)	**Problem** When modifying a business objective, the page opened was titled Modify *<name>*. **Solution** The page has been renamed to Modify Business Objective *<name>*.
N/A (192691)	**Problem** A user with Edit Programs access grant could not create a new program. However, the Edit All Programs access grant gave too many privileges to the user. **Solution** A new access grant, Create Programs, has been added. The user must have both Edit Programs and Create Programs access grants in order to create a new program.

HP Project Management Fixes

The following table lists the fixes related to HP Project Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-557598993 (188987)	**Problem** In an Oracle database, if the `CURSOR_SHARING` parameter was set to FORCE (`CURSOR_SHARING=FORCE`), an error was displayed when creating a project. **Solution** PPM Center does not support the value FORCE for the `CURSOR_SHARING` parameter. PPM Center only supports the values EXACT and SIMILAR.
1-604382853 (193216)	**Problem** A work plan could not be exported to PDF. The PDF created was blank. **Solution** Now, a user can export a work plan to PDF.
1-604757683 (193193)	**Problem** If the Display and Display Only attributes of the **Project Manager** field of the Project Details Request Header Type were disabled (set to **No**), when a project was modified, information in the **Project Manager** field was removed and the project manager could no longer update the project. **Solution** If the Display and Display Only attributes of the **Project Manager** field of the Project Details Request Header Type are disabled (set to **No**), when a project is modified, information in the **Project Manager** field is retained, allowing the project manager to continue to update the project.
1-611205903 (193880)	**Problem** If a work plan contained only milestones, the summary task percentage complete was always zero, even if all milestones were completed. The actual effort was tracked using time sheets. **Solution** If a work plan contains only milestones, and if all milestones are completed, the summary task percentage complete displays 100%. Otherwise, the summary task percentage complete always displays zero.

Tracking No. (Defect No.)	Description
1-618088131 (193635)	**Problem** SQL validations were not dualized and were causing performance issues. (See also 1-636089105.) **Solution** Function calls have been dualized.
1-619766503 (194516)	**Problem** When a user submitted time against a project task that contained actual data, a % complete value was calculated but the estimated remaining effort became "NaN" (not a number). **Solution** The estimated remaining effort is calculated when time is submitted for a project task that contains actual data.
1-621655733 (193751)	**Problem** The **Field in Resources** tab of the Task Details window contains a field named "Change to Automatical Control." **Solution** The field name has been changed to "Change to Automatic Control."
1-634030386 (194506)	**Problem** A user could not create a project if a request type associated with its project type used the rule "Apply On Creation" with `SYS.USER_ID` and `SYS.USERNAME` tokens. **Solution** A user can create project if a request type associated with its project type uses `SYS.USER_ID` and `SYS.USERNAME` tokens.
1-634568287 (194342)	**Problem** A user with the View Work Plan template access grant, when viewing a work plan template, received an error message after clicking **Done.** **Solution** A user with the View Work Plan template access grant, when viewing a work plan template, successfully exits the page after clicking **Done.**

Tracking No. (Defect No.)	Description
1-640913617 (194900)	**Problem** When creating a project using a project type with a disabled workflow, PPM Center generated orphaned requests. **Solution** When a project and/or request is created, if validation errors are detected, the project/request creation is halted and no orphaned requests are generated.
1-642178167 (194557)	**Problem** In the Quick Edit Tasks window, if a task name was long, the name ran into the next column of the displayed table. **Solution** The task name column in the Quick Edit Tasks window has been modified to fit in its column.
1-654350243 (195347)	**Problem** When creating a project, the user could add attachments to requests created for the project. However, after the project was created, the attachments were visible for the project but not the request. **Solution** The user can no longer add attachments to requests when creating a project. Attachments to the project should be added from the **References** tab on the project overview page.
1-663532983 (196145)	**Problem** A work plan query locked the entire work plan, and not just a specific task. Other users had to wait for the work plan to be unlocked. **Solution** The locking mechanism is working as designed. However, additional logging information is being gathered to determine if there is a problem with the locking mechanism's performance.
1-668394993 (195573)	**Problem** When searching for projects, if the search excluded finished products, finished products were still included in the count on the page but were not displayed. (See also 1-677653913 and 1-717783113.) **Solution** When searching for projects, if the search excludes finished products, finished products are not included in the count on the page and are not displayed

Tracking No. (Defect No.)	Description
1-668451883 (195806)	**Problem** If more than 1,000 projects were returned in a search, PPM Center failed when modifying the search criteria (using the resource pool auto-complete feature) in the Resource Finder. **Solution** PPM Center has been modified to handle a modification to search criteria if more than 1,000 projects are returned in the initial search.
1-668774883 (195743)	**Problem** When a user searched for a project that had restricted participation, and the user was not a participant, a Java exception error occurred. (See also 1-704710233 and 1-737411293.) **Solution** When a user searches for a project that has restricted participation and the user is not a participant, the project is not returned by the search.
1-672136423 (196198)	**Problem** By default, all enabled users of PPM Center had access to a newly created project. **Solution** By default, only users who have a Project Management license can access a newly created project.
1-677653913 (195760)	**Problem** When searching for projects, if the search excluded finished products, finished products were still included in the count on the page but were not displayed. (See also 1-668394993 and 1-717783113.) **Solution** When searching for projects, if the search excludes finished products, finished products are not included in the count on the page and are not displayed.
1-689127663 (196270)	**Problem** When creating a Project Baseline Comparison Report, the auto-complete filter of the Project report parameter did not work. **Solution** The auto-complete filter of the Project report parameter filters the name of projects.

Tracking No. (Defect No.)	Description
1-691100643 (196586)	**Problem** From the Edit Preferences page of the Project Cost Summary portlet, two auto-complete selection pages (Project and Summary Task) were not rendered correctly. **Solution** The default filter field was added to the validation of the auto-complete selection pages to make them render correctly.
1-699651713 (196677)	**Problem** The details displayed at the same levels in a task and work plan were inconsistent. For example, in the Summary Task List portlet, summary tasks at level 1 displayed the same detail of information as a work plan at level 2. **Solution** The level of information displayed for a task and work plan at the same level are now consistent. Summary task levels have been modified to show the same detail of information as a work plan at the same level.
1-704710233 (196803)	**Problem** When a user searched for a project that had restricted participation and the user was not a participant, a Java exception error displayed. (See also 1-668774883 and 1-737411293.) **Solution** When a user searches for a project that has restricted participation and the user is not a participant, the project is not returned by the search.
1-707251083 (196862)	**Problem** The Project List portlet displayed closed projects even when the option to include finished projects was not selected. **Solution** If the option to include finished projects is not selected, closed projects no longer display in the Project List portlet.

Tracking No. (Defect No.)	Description
1-709675093 (196969)	**Problem** After completing an initial search for a resource, if you used the Search for Resources to View table at the bottom of the search results page three more times consecutively, the web browser failed. To continue searching for resources, you had to log out of PPM Center, and then log back in. **Solution** For each search, the URL returned was appended to the previous URL. Once the URL became too large, the web browser failed. The returned URL is no longer appended to the previous URL. Only the returned URL is used.
1-710861543 (196979)	**Problem** If a request type was renamed, the project type with which it was associated could not be migrated as the renamed request type could not be found. **Solution** During migration, the name of the request type from the PM_PROJECT_TYPES table was used. However, the PM_PROJECT_TYPES table was not updated with the renamed request type. Instead, the KCRT_REQUEST_TYPES table, which contains the updated name, is used for the request type name.
1-731961853 (197381)	**Problem** After closing the PDF view of a work plan, when a task was edited, the Task Details page was displayed without the menu bar. When **Done** or **Cancel** was selected, the page (browser window) closed. **Solution** After closing the PDF view of a work plan, when a task is edited, the Task Details page is displayed, including the menu bar. After clicking **Done** or **Cancel**, the window returns to the Work Plan overview page (the browser window does not close).
1-734731865 (197697)	**Problem** When adding a project manager as a participant to a project, only one project manager could be added at a time. Also, the dialog to look up a project manager initially showed all project managers (no filters) and the filter for the name was not an auto-complete field. **Solution** When adding a project manager as a participant to a project, click **Add Project Manager** to select one or more project managers to add to the project. Up to 50 names are displayed at a time in the dialog. A new filter, the user name filter, has been added to help resolve a name.

Tracking No. (Defect No.)	Description
1-737411293 (197696)	**Problem** When a user searched for a project that had restricted participation and the user was not a participant, a Java exception error displayed. (See also 1-668774883 and 1-704710233.) **Solution** When a user searches for a project that has restricted participation and the user is not a participant, the project is not returned by the search.
N/A (157793)	**Problem** The My Tasks portlet help was out of date. The help described the **Subproject Name** field. **Solution** The My Tasks portlet help has been updated. **Subproject Name** has been changed to **Summary Task Name.**
N/A (183556)	**Problem** In the Project Type Usage dialog, the user could not sort the data by column headers or export the data to Microsoft Excel. **Solution** In the Project Type Usage dialog, the data can be sorted by column headers, the data can be exported to Excel, and if large amounts of data are displayed, the data is divided into separate pages.
N/A (191453)	**Problem** The description of the request type for a project's settings was confusing because it was the same as the description for a project type. **Solution** The description of the request type has been changed to reflect that it is for a project. The following text has been removed from the description: "When a project is created, a request using this request type is also created. This request will be used by Portfolio Management to identify the project, if Portfolio Management is in use. The project process request type associated with a project cannot be changed after the project is created."

Tracking No. (Defect No.)	Description
N/A (192899)	**Problem** On the **Resources** tab of the Task Details page, when the values in the **Actual Effort** and **% Complete** fields were cleared and the page was saved, an error displayed. **Solution** The **Actual Effort** and **% Complete** fields are now automatically filled with a zero (0) if they are cleared.
N/A (194727)	**Problem** If the Working hours in a day was changed in the default regional calendar and you created a work plan template, when you added a task to the work plan template and modified the scheduled duration, the scheduled effort was not calculated for the template until after you saved the task. **Solution** The scheduled effort is now calculated for the template automatically and saving the task is not necessary.
NA (197845 and 198011)	**Problem** The My Tasks portlet did not provide a message to warn users when they had set Percent Complete to 100% for some tasks that had no Actual Effort logged and non-zero Scheduled Effort specified. **Solution** The software was changed so that, if a user tries to save the My Tasks portlet when it has tasks that are 100% Complete with no Actual Effort (and non-zero Scheduled Effort), a message to that effect appears, listing those tasks. The user can then review and change the task data, or he can save the portlet as is, which will remove the completed tasks from the portlet. Note: For Time Management, a similar message is now presented if the user tries to submit a time sheet with lines of *any* work item type (not just tasks) that have no time logged.

HP Resource Management Fixes

The following table lists the fixes related to HP Resource Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-563288773 (189723)	**Problem** If the start or end date was changed for a project (with an associated staffing profile), the allocation hours/FTEs associated with the staffing profile always maintained the allocation hours and adjusted the FTE. **Solution** When the start/end dates are adjusted, the last viewed allocation time period (either hours or FTE) is maintained while the non-viewed allocation is adjusted. For example, if a project (starting in January and ending in February, viewed in FTEs with one FTE per month) is adjusted back by one month (starting in December and ending in January), the allocation time period for each month is maintained at 1 FTE per month while the hours are adjusted to equal 1 FTE per month. Or, if the project (for the month of January is viewed in hours with 80 hours) is adjusted ahead by one month (to February), the allocation time period for February is maintained at 80 hours while the FTE is adjusted to equal 80 hours.
1-603271723 (193245)	**Problem** If a resource was assigned the Edit my Calendar access grant, the resource could not save the calendar. **Solution** A resource with the Edit my Calendar access grant can save the calendar.
1-606993592 (193230)	**Problem** In the Send Resource Request dialog, if a position name was longer than the column width, it did not display properly (part of the name was hidden, the window could not be resized to show the full name, and the tool tip did not display the full name). **Solution** A long position name in the Send Resource Request dialog displays the full name in the display and tool tip.

Tracking No. (Defect No.)	Description
1-607138463 (193597)	**Problem** When editing the Analyze Resource Pools portlet, selecting **Group By Staffing Profile** caused an error. **Solution** The problem could not be reproduced. The user can select **Group By Staffing Profile** when editing the Analyze Resource Pools portlet without any difficulties.
1-608089373 (193485)	**Problem** When viewing the Forecasted Demand of a resource pool, the Forecast Total in the Breakdown By Role section is incorrect. Forecasted load is not included in the total if the resource is not allocated to a position **Solution** The Forecast Total in the Breakdown By Role section includes forecasted load even if a resource is not yet allocated to a position.
1-637286193 (194389)	**Problem** In the Send Resource Requests dialog, the Response needed by field is required for each position for which the user is requesting a resource. However, if the position is not selected, the interface still requires data to be entered in the Response needed by field. **Solution** The problem was fixed in a previous release. If a position is not selected, its Response needed by field is not required.
1-652490933 (195284)	**Problem** The Resource Capacity with Assignments dialog is truncated, including the scroll bar. The data that is truncated is not viewable. **Solution** The problem could not be reproduced. The Resource Capacity with Assignments dialog is wider and therefore the data and scroll bar are not truncated.

Tracking No. (Defect No.)	Description
1-659253133 (195337)	**Problem** In the Analyze Resource Pool portlet, if you selected a resource pool to analyze, and then, in the **Time Period** section, selected: ■ **Year** as the period type. ■ 3 past periods to display ■ 10 future periods to display An error occurred and the portlet display failed. **Solution** The source of this error was identified and corrected. Portlets are now loaded and displayed correctly.
1-663119327 (196104)	**Problem** A data entry error occurred in the staffing profile if the same prefix was used in project names. Example: KT-TEST and KT-PROX. **Solution** A new validation SQL file was added to validate the exact project name when the staffing profile is created from the project. This resolves the issue by getting only one project instead of multiple projects with same prefix.
1-668812713 (196055)	**Problem** After editing and saving a resource's calendar, the changes are not rolled up into the resource pools to which the resource belongs. **Solution** Entries in the `knta_pending_rollup` table are included after editing and saving a resource's calendar. Thus, changes are rolled into the resource pools to which the resource belongs.
1-668812713 (196056)	**Problem** When a resource is disabled, the resource's time still appears in the resource pools to which the resource belongs. **Solution** Entries are added to the `knta_pending_rollup` table such that changes are rolled into the resource pools to which the resource belongs. The disabled resource's time no longer appears in the resource pools to which the resource belongs.

Tracking No. (Defect No.)	Description
1-669742443 (196109)	**Problem** When viewing resource load, disabled users (users with zero capacity) are included. **Solution** When using the resource finder (Search Resource Availability page), disabled users are not included.
1-677838473 (195841)	**Problem** Duplicate columns appeared in the Financial Benefit Breakdown table. **Solution** Orphan period group columns (where both the PARENT_PERIOD_ID and CHILD_PERIOD_ID are both NULL in the KNTA_PERIOD_GROUPS table) are removed.
1-695293141 (196446)	**Problem** A user with all access grants can only add named resources to resource pools the user manages. **Solution** A user with all access grants can add named resources to all resource pools.
1-698344153 (196521)	**Problem** If you create a project whose name starts with the name of another project (for example, test and test 1), after you create a staffing profile for one (test), you cannot create a staffing profile for the other (test 1). Only part of a project name is used to validate the staffing profile name therefore PPM Center thinks there is more than one project with the same name and cannot validate the second name. See also 1-663119327. **Solution** When creating a staffing profile, the full project name is used to validate the staffing profile name.
N/A (190214)	**Problem** Workload is misspelled in the Modify Resource and Manage Resource Pool Participation pages. **Solution** The misspelling is corrected in the General tab of the resource page. The misspelling could not be found in the Manage Resource Pool Participation page.

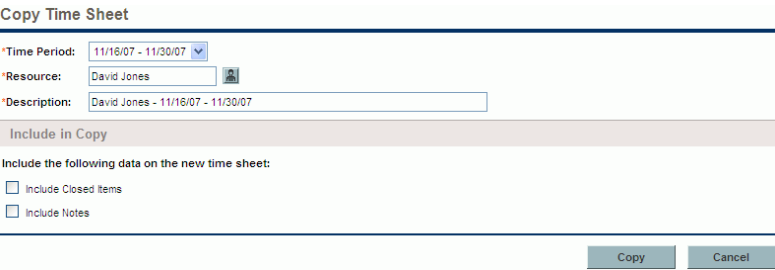| Tracking No. (Defect No.)	Description
N/A (192542)	**Problem** When viewing forecasted demand of a resource pool, the Forecast Total and Assigned Total are not displayed in the Resource Supply and Demand table if no resource allocations have been made. **Solution** The Forecast Total and Assigned Total are always calculated and displayed, even when resource allocations have not been made.
N/A (193485)	**Problem** If you opened the details page for a resource pool, and you clicked **View Forecasted Demand,** in the **Breakdown by Role** section of the Resource Pool Details table, only forecasted load was displayed, even though there had been some allocation to that forecast. **Solution** Now, even if there are no assignments, the forecast is displayed in the **Breakdown by Role** section and the total is synchronized with the values displayed in roles section.

Tracking No. (Defect No.)	Description
N/A (195408)	**Problem** Many project managers want to assign resources to tasks and be able to select from all configured resources. Currently, a project manager can either assign resources that are named on the staffing profile attached to her project or assign resources that belong to her resource pool. If a staffing profile is used, the project manager must go through the formal resource request process where a resource manager must approve the request for a resource (however, the resources are not being actively managed and this resource request process is not necessary). If all resources are added to a single resource pool (owned by the project manager) and there is a large number of resources, PPM Center performance and server stability is affected. **Solution** By setting the server.conf parameter `RM_OVERRIDE_ASSIGNMENT_CONTROLS` to true, assignment controls can be overridden to allow the project manager to assign any resource from any resource pool to a work plan. A staffing profile is not required. When there is a large number of resources, several resource pools can be configured. All resource pools can be accessed by all project managers. **Impact** There is a new server.conf parameter: `RM_OVERRIDE_ASSIGNMENT_CONTROLS`.
N/A (197133)	**Problem** If the number of resources in a resource pool exceeded the server.conf parameter `RM_MAX_RESOURCE_IN_POOL`, the **Analyze Assignment Load** button in the Resource Pool page was disabled. However, this feature, using the **View Data Table** button, was still accessible from the Analyze Assignment Load and Analyze Resource Pools portlets. **Solution** If the number of resources in a resource pool exceeds the server.conf parameter `RM_MAX_RESOURCE_IN_POOL`, the **View Data Table** button is disabled in the Analyze Assignment Load and Analyze Resource Pools portlets.

HP Time Management Fixes

The following table lists the fixes related to HP Time Management in PPM Center version 7.1 Service Pack 5.

Tracking No. (Defect No.)	Description
1-589791483 (194245)	**Problem** If administrators added the [TMG.TIME_PERIOD] token to the text they composed for notifications of rejected time sheets, the token did not resolve to (get replaced with) the particular time period for the rejected time sheet. **Solution** The software was fixed to resolve [TMG.TIME_PERIOD] tokens in the notifications for rejected time sheets.
1-631595607 (194211)	**Problem** The My Tasks portlet allowed users to specify a task as 100% complete with no actual effort logged, but the time sheet did not allow this. **Solution** The software was changed so that, if a user tries to submit a time sheet with any lines that have no actual effort logged, a message to that effect appears, listing those lines. The user can then revise the time sheet or submit it as is. Note: For Project Management, a similar message is now presented if the user tries to save the My Tasks portlet with tasks that are specified as 100% complete with no Actual Effort (and non-zero Scheduled Effort).
1-646826573 (194848)	**Problem** Characters with accents or apostrophes (such as special French or German characters) were not parsed correctly in the copy of any report, then that copy failed to run in any browser. **Solution** The software was changed to correctly run and display copies of reports.

Tracking No. (Defect No.)	Description
1-675280876 (196041)	**Problem** If a time sheet had enough lines that it had a vertical scroll bar, the daily subtotals at the bottom of the columns disappeared. **Solution** The software was changed so that the daily subtotals continue to appear below a scrolling table.
1-675459341 (195810)	**Problem** When an override rule was created and saved with the **Work Item Type** field set to **Project/Task,** with a particular work item set selected, and with no work item selected, the override rule was actually saved without the work item set. Selecting a work item allowed the override rule to be saved correctly. **Solution** The software was changed so that override rules can be saved correctly when the **Work Item Type** is set to **Project/Task,** a particular work item set is selected, and no work item is selected.
1-684825787 (195993)	**Problem** An exception occurred when users submitted a Time Sheet Summary report with any subset of the auto-complete options (rather than the entire set) selected for the **Group By** field. **Solution** The software was changed so that the Time Sheet Summary report runs successfully. (Applies to defect 195994 also.)
1-684825787 (195994)	**Problem** An exception occurred when users submitted an Actual Time Summary report with any subset of the auto-complete options (rather than the entire set) selected for the **Group By** field. **Solution** The software was changed so that the Actual Time Summary report runs successfully. (Applies to defect 195993 also.)
1-688993533 (196112)	**Problem** The Actual Time Summary report did not show data for actual costs when the **Show Actual Cost** option was selected for a project that had Financial Management and Time Management enabled in its Cost and Effort policy. **Solution** The software was changed so that the Actual Time Summary report has the correct cost data.

Tracking No. (Defect No.)	Description
1-692283733 (196303)	**Problem** When a time sheet was copied, the notes on the original time sheet and its lines were copied, whether desired or not. **Solution** An **Include Notes** checkbox was added on the Copy Time Sheets window to specify whether notes in the original time sheet and its lines should be copied to the new time sheet.
1-695552583 (196601)	**Problem** On a time sheet, after clicking **Add Item > Add Project / Task,** a timeout could occur when the user selected the auto-complete for the **Project** field. **Solution** The software was changed so that the timeout no longer occurs.
1-698653753 (196512)	**Problem** When a user created a Time Sheet Summary report with the **Work Item Type** field set to **Project/Task,** the **Work Item Set** auto-complete returned multiple occurrences of the same project if the project's work plan had been baselined. **Solution** The software was changed so that only one occurrence of a project is ever listed for the **Work Item Set** auto-complete.

Tracking No. (Defect No.)	Description
NA (179152)	**Problem** None of the dependencies specified for Time Sheet Line User Data fields were working. **Solution** The software was changed so that in the User Data Workbench, dependencies can be specified only for the appropriate User Data types, *not* for the following User Data types: ■ Budget Line User Data ■ Budget User Data ■ Fin Benefit Line User Data ■ Financial Benefit User Data ■ Organization User Data ■ Program User Data ■ Request User Data ■ Resource Pool Line User Data ■ Resource Pool User Data ■ Role User Data ■ Staff Prof Position User Data ■ Staffing Profile User Data ■ Task User Data ■ Time Sheet Line User Data
NA (188197)	**Problem** When generating a Time Sheet Summary report, you were able to set the **Group By** field to Time Sheet Status, but it is more useful to group lines in the report by time sheet line status. **Solution** The software was changed so that when you generate a Time Sheet Summary report, you can group results by time sheet line status.
NA (193475)	**Problem** Intentionally or inadvertently, users could submit time sheets having one or more lines that had no entries (actuals). No error message was presented in this case. Such time sheet lines were probably rejected by approvers and then required rework and resubmission of time sheets by users. **Solution** A message appears if a user tries to submit a time sheet that has lines with no time logged. The user can then choose to enter more data on the time sheet or submit it as is.

Tracking No. (Defect No.)	Description
NA (193707 and 197268)	**Problem** When an administrator creates a new set of bi-weekly time periods and specifies a start date for them, that start date can fall in the second week of a period in a previously specified set of bi-weekly time periods. In this case, the new time periods were being generated such that the first week of each new time period was the same as the second week of any overlapping time periods from the previous set. As a result of having the same date in two time periods, users saw exceptions in HP Time Management and HP Project Management. **Solution** If the specified start date for the new set of bi-weekly time periods would create any overlaps as described, the software now makes the new set of bi-weekly time periods begin in the week following the one having the specified start date, so that existing and new time periods do not overlap.
NA (197114)	**Problem** If you chose **Total Hours** or **Total Cost** for the **Sort By** field on the Search for a Time Sheet to Freeze/Close window, no search results were found. Appropriate results were found when sorting by other options. **Solution** The software was changed so that the search results are found as appropriate for all **Sort By** options.
NA (197145)	**Problem** When a user clicked **Add Item > Add Project / Task** on a time sheet, then clicked the auto-complete for the **Project** field in order to add tasks from a particular project to the time sheet, projects that were not active were inappropriately included in the list that appeared. **Solution** The software was changed so that only active projects appear in the auto-complete for the **Project** field.
NA (197852)	**Problem** In the printable version of time sheets having monthly time periods, the dates and associated time sheet line data were not presented in the intended column order—the first section did not cover from the 1st to the 14th of the month, and the second section did not cover from the 15th to the end of the month. **Solution** The software was changed so that the printable version of monthly time sheets is displayed as intended.

Changes to Server Configuration Parameters

The tables in this section provide descriptions of parameters that are:

- Changed in SP5

- Are new in SP5

- Are undocumented

- Are desupported as of SP5

The parameter names listed in these table are shortened versions of the actual names, all of which start with the string `com.kintana.core.server`. For example, the full name of the `CLIENT_TIMEOUT` parameter is `com.kintana.core.server.CLIENT_TIMEOUT`.

For more information about server configuration parameters and how to set their values, see the *System Administration Guide and Reference*.

The following server configuration parameters are not new in Service Pack 5, but were not documented in the *System Administration Guide and Reference* for version 7.1.

Parameter (Defect No., if any)	Description, Usage	Default and Valid Values
AUTO_COMPLETE_ LONG_TYPE_MAX_ROWS (196092)	Determines the maximum number of rows in long auto-complete fields.	Default: `5000` Valid values:
AUTO_COMPLETE_ QUERY_TIMEOUT	Sets query timeouts on auto-complete lists to prevent excessive database CPU use.	Default: `30` Valid values:
FULL_NAME_FORMAT (196059)	Used to control the format in which the full names are entered for resources, contacts, and so on.	Default: 0 Valid Values: 0 denotes First Last. Example: John Smith. 1 denotes Last, First. Example: Smith, John
NOTIFICATIONS_ CLEANUP_INTERVAL	Determines the frequency of notification cleanups. By default, the notifications cleanup service runs every 86400 seconds every day.	Default: `86400` (one day)

Parameter (Defect No., if any)	Description, Usage	Default and Valid Values
PFM_PROJECTED_ TOTAL_CALCULATION_ ENABLED	If set to TRUE, enables the project total calculation service, which calculates projected total value of budgets and benefits. The projected total is the sum of actual values in the past periods (month) and planned values in current and future periods (month).	Default: TRUE Valid values: TRUE, FALSE
PFM_PROJECTED_ TOTAL_CALCULATION_ INTERVAL	Determines the frequency with which the project total calculation service runs	Default: 1440 (minutes)
RESOURCE_POOL_ ROLLUP_INTERVAL	Controls how long the Resource Pool Rollup service waits before it wakes up and runs again (assuming that it is not currently running).	Default: 300 (seconds)
RM_MAX_RESOURCE_ IN_POOL	Threshold value above which some features are unavailable on the Resource Pool overview page. The **View Resource Load** button is not available if the number of resources in that resource pool (or, it's hierarchy if the "Include children resource pools when calculating load for this resource pool" flag is selected) exceeds the value set for this parameter. The **View Forecasted Demand** and **Manage Pool Capacity** button are also unavailable if the number of resources in the resource pool exceeds the default. However, you can still use the Resource page Manage Participation feature to add or remove resources. Values greater than the default (250) may increase response times and memory footprint when the above operations are performed.	Default: 250 Valid values:
RM_OVERRIDE_ ASSIGNMENT_ CONTROLS	If set to TRUE, resources in all resource pools can be directly assigned available for direct assignment in workplans, without a staffing profile. Also, you can use the resource finder to locate and assign resources in all resource pools. This means that you can assign resources even if you are not using resource pools or staffing profiles.	Default: FALSE Valid values: TRUE, FALSE
WORK_ITEM_ BREAKDOWN_SERVICE_ DELAY	Determines the interval, in seconds, between runs of the Work Item Pending Assignment Service.	Default: 30 (seconds)

Parameter (Defect No., if any)	Description, Usage	Default and Valid Values
WORK_ITEM_ BREAKDOWN_SERVICE_ ENABLED	Enables the Work Item Pending Assignment Service, which runs periodically to populate the KRSC_ WORK_ITEM_ASSIGNMENTS table. This table is used for resource work load information. The service retrieves the actuals information from the request.	Default: TRUE Valid values: TRUE, FALSE
WORK_ITEM_UPDATE_ SERVICE_DELAY	Amount of time (in seconds) to wait after the work item update service has completed a session before restarting the service.	Default: 120 (seconds) Valid values: Integer greater than 0
WORK_ITEM_UPDATE_ SERVICE_ENABLED	If set to TRUE (default), enables the work item update service, which asynchronously propagates external updates to work items when updates cannot be made immediately.	Default: TRUE Valid values: TRUE, FALSE

Desupported Server Configuration Parameters

The following server configuration parameters that are no longer supported:

- RESOURCE_CACHE_SIZE

- RESOURCE_POOL_CACHE_SIZE

- RESOURCE_POOL_CACHE_TIMEOUT

These parameters have been obsolete since PPM Center version 7.0, and their removal from the server.conf file has no impact on current users.

New Server Configuration Parameters

The following Table lists the server configuration parameters that are new in this service pack.

New Parameter (*Required, **Required If)	Description, Usage	Default and Valid Values
AUTO_COMPLETE_ LONG_TYPE_MAX_ROWS	Determines the maximum number of rows in long auto-complete fields.	Default: `5000`
BUDGET_IN_ THOUSAND_SHOW_ DECIMAL (164014)	Used with the `BUDGET_IN_WHOLE_DOLLARS` parameter as follows: ■ If `BUDGET_IN_WHOLE_DOLLARS` is set to `True`, the `BUDGET_IN_THOUSAND_SHOW_DECIMAL` parameter is ignored and values are displayed as whole numbers. ■ If `BUDGET_IN_WHOLE_DOLLARS` is set to `False`, and `BUDGET_IN_THOUSAND_SHOW_DECIMAL` is set to `False`, values are displayed as 1000s without decimals. For example, the value 1234567 is displayed as 1235. ■ If `BUDGET_IN_THOUSAND_SHOW_DECIMAL` is set to `True`, values are displayed as 1000s with decimals. For example, the value 1234567 is displayed as 1234.567.	Default: `False` Valid values: `True, False`
RM_MAX_RESOURCE_ IN_POOL (197133)	Used to limit the number of resources that resource pools can contain. If the number of resources exceeds the value specified for this parameter, the **View Data Table** button is disabled in the Analyze Resource Pools portlet and users cannot view the Analyze Resource Pools Breakdown table. For information about the Analyze Resource Pools portlet, see the *HP Resource Management User's Guide.*	Default: `250`

New Parameter (*Required, **Required If)	Description, Usage	Default and Valid Values
RM_OVERRIDE_ ASSIGNMENT_ CONTROLS (195408)	Set to `True` to override the assignment controls built in the product. If set to `True`, users who have permission to edit staffing profile can assign users to staffing profile from any resource pools, including resource pools controlled by other managers. Once the user is in the staffing profile for the project, he can be assigned to its tasks. This lets managers bypass the resource request process for requesting resources from other managers so that they are not restricted from assignment controls during their project planning.	Default: `FALSE` Valid values: `TRUE, FALSE`
SERVICES_ENABLED	If set to `FALSE`, when the PPM Server is started or when a request is issued to start services, no services are started.	Default: `TRUE` Valid values: `TRUE, FALSE`

Enhancements and Fixes in Previous PPM Center Version 7.1 Service Pack Releases

This section includes release notes from all previous service packs released for PPM Center version 7.1.

Service Pack 4 Enhancements, Certifications, and Fixes

The following enhancements and certifications were added to Service Pack 4:

- A manager of a resource pool can no longer edit information for a user who is not directly managed by him or her.

- Support for Documentum 5.3 SP2 for HP-UX 11i v2. See the *System Requirements and Compatibility Matrix* for details.

- Support for HP-UX 11i v3. See the *System Requirements and Compatibility Matrix* for details.

- Support for Microsoft Project 2007

The following items (identified by error tracking number) were fixed in Service Pack 4:
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Tracking No. (Defect No.)	Description (SP4)
0 (195233)	HP Demand Management: The Detailed Search page did not open after clicking the **Detailed Search** button in the "Add Reference: Project" window.
1-194405410 (190456)	HP Time Management: In some circumstances, users were able to create multiple time sheets for the same time period even when the global time sheet policy was set to prohibit that.
1-404587713 (183760)	When editing portlet preferences, where many values were selected from an auto-complete list (resulting in more than 1500 characters), the portlet returned a blank page when **Save** was clicked. The problem was resolved by upgrading the Oracle JDBC driver to version 10.2.0.1.0.

Tracking No. (Defect No.)	Description (SP4)
1-475544863 (180856)	Org Units displayed the names of users who had been disabled. (There was no indication that the users had been disabled).
1-523589915 (186397)	The Import User report imports and enables LDAP users that are disabled in Active Directory and enables them in PPM Center. To prevent such disabled users from being enabled in PPM Center, follow these steps: Locate your `integrations/ldap/LdapAttribute.conf` file. Add the following mappings under the `@BASIC_PROPERTIES` section: ■ `LDAP_ACCOUNT_CONTROL=userAccountControl` ■ `LDAP_ACCOUNT_CONTROL_FLAVOR=MS_AD` Note that "userAccountControl" is the default attribute name. Your attribute name might be different.
1-575252653 (193108)	Drill-down portlets: When drilling down into the Resource Pool and Staffing Profile list portlets, "/itg/" was not appended to the URL, resulting in a Page Not Found error.
1-578565943 (194689)	Performance: Improvements were made to the knta_notes query.
1-585082611 (192200)	An error message appeared when attempting to add a value to the **Region** field of the Currency Text validation.
1-590828681 (191851)	An error appeared when attempting to view a project from the **View Program Cost** tab.
1-597031127 (196741)	HP Resource Management: A loop existed (which could only be escaped by clicking another item in the menu bar) between the overview page of a resource pool and the Resource Load Breakdown page.
1-608929381 (194691)	HP Demand Management: Dates on requests were different than notifications created for the requests (requests used PDT, the notifications used PST).
1-615002843 (194300)	HP Time Management: When reworking a time sheet, if you entered effort on a task greater than 100%, and then you adjusted the effort to 100% and attempted to save the time sheet, a %COMPLETION REQUIRED error appeared.

Tracking No. (Defect No.)	Description (SP4)
1-619716963 (193899)	Export to Excel: If you searched more than a 1000 tasks, and then you attempted to export the results to Excel, an error message appeared.
1-626120433 (195990)	When using Microsoft Active Directory as an LDAP server, PPM Center had problems with the paging results process of the LDAP query. Beginning with SP4, PPM Center can page results of the LDAP query. You can retrieve the results in multiple chunks (pages) instead of one big chunk. To control the size of the page, use the following server.conf parameter: - `com.kintana.core.server.LDAP_PAGE_SIZE` This parameter specifies the number of records per page. If this parameter set, PPM Center pages the results of the query. If this parameter is not set, PPM Center attempts to retrieve the records all at once.
1-630928923 (196086)	Reporting: In some situations, the Notification History report showed that a notification was sent more than was actually the case.
1-658606413 (195394)	HP Time Management: Users with a future start date received a delinquent time sheet notification prior to the actual start date.
1-658919153 (195678)	A query using the REQ.MOST_RECENT_NOTE_TEXT token caused performance problems.
1-662694623 (195963)	There were problems migrating a work plan between two instances.
1-667985143 (195740)	HP Time Management: For instances with a large number of users (thousands), delinquent time sheet notifications were not sent to all users who should have received the notifications.
1-669983733 (196267)	When using ksc_create_workplan to create a workplan from a template, an error message appeared.
1-671827597 (196782)	HP Project Management: Users without an HP Demand Management license were unable to access requests attached to a project (PFM) request. With SP4, only an HP Project Management license is needed to access such attachments.

Tracking No. (Defect No.)	Description (SP4)
1-674316135 (196080)	When a PFM - Proposal request created a PFM - Project request, table component data was not copied from one request to the other.
1-676275423 (196728)	HP Project Management: Performance improvements were made for saving changes to project types, especially for types that have a large number of projects.
1-678302953 (195811)	HP Resource Management: In the Resource Request portlet, the Position Status auto-complete list did not display any values.
1-678321423 (195813)	HP Resource Management: In the Analyze Resource Pools portlet, when **Time Period** was set to **Year,** an error message appeared.
1-682649376 (196110)	After an upgrade, the "Unable to serialize Menu cache" error message appeared.
1-686220763 (196787)	Budgets, Export to Excel: On Export to Excel, Period Names could be interpreted incorrectly by Excel. Beginning with SP4, Excel treats Period Names as purely text, and Excel does not attempt to convert the names to dates.
1-688090183 (196196)	HP Project Management An error message appeared when a user attempted to modify a task and the browser language was set to be a non-English language.
1-688293743 (196531)	After upgrade, it was not possible to open the Excel (`.xls`) template in *`<PPM_Home>`*/ server/*`<SERVER_NAME>`*/deploy/itg.War/web/knta.
1-689009523 (196484)	HP Project Management: It was not possible to assign multiple project managers under **Configure Participants** on the Project Overview page.
1-690190163 (197056)	Staffing Profiles, Export to Excel: Period labels were not rendered correctly when a staffing profile was exported to Excel.
1-692995593 (196268)	Project Management Web Services: Regarding projects with tasks whose status is Pending Predecessor, the WSDL was missing the pending-predecessor item in the definition of the task status.

Tracking No. (Defect No.)	Description (SP4)
1-698222343 (196671)	An Oracle error occurred during a Cost Rule search when only one value was specified in a filter field.
1-699069713, 1-700685022 (196607)	When creating a new project, status dependencies for the Not Submitted status were not enforced.
1-700872243 (197005)	Creating or copying regional calendars failed when there were more than 100,000 regional calendars in the system.
1-701820413 (197004)	HP Project Management: Spawning a project from a request may result in an InvocationTargetException error.
1-713152383 (197073)	HP Project Management: Changing the Microsoft Project Integration settings for a project may have resulted in not being able to opening the project. An error message would appear when attempting to open the project.
1-714440123 (197053)	HP Resource Management: Linking a Staffing Profile to a child Org Unit that inherits its Region information from a parent Org Unit resulted in an error.

Service Pack 3 Enhancements and Fixes

The following enhancements were added to Service Pack 3:

- Support for Oracle 10.2.0.3. See the *System Requirements and Compatibility Matrix* for details.

The following items (identified by error tracking number) were fixed in Service Pack 3:

Tracking No. (Defect No.)	Description (SP3)
NA	Numerous fixes to Batch Update.
1-639333183 (194420)	Performance improvements were made when searching for time sheets to approve.
1-654688433 (195330)	Project Gantt portlet preferences: An error message appeared when setting the "Display to the left" option.
1-648885963 (195741)	In PFM Project Requests with ACL validations, the ACL results window opened at the top or bottom of the request.
1-657724277 (195344)	Staffing Profiles: The default Allocation of Weeks could not be changed (`RM_DEFAULT_PERIOD_TYPE` could not be set to other values).
1-666847333 (195834)	Bubble chart portlets: When bubbles overlapped, it was not possible to drill down to the next level.
1-630975723 (194439)	Dashboard modules: In some situations, adding modules created by other users resulted in corrupted modules, which could not be deleted.
1-648811687 (194862)	Time Sheets: When copying time sheets that included activities for project tasks, the activities were not copied.
1-665079113 (195439)	Time Sheets: When copying time sheets, the charge codes for override rules were not copied.
1-657302263 (195334)	Analyze Resource Pool portlet: The resource pool name did not display correctly (it was truncated) on the View Data Table page.

Tracking No. (Defect No.)	Description (SP3)
1-656595383 (195332)	Duplicate entries appeared in the Resource Request portlet.
1-332236850, 1-531412513 (168450)	HP Deployment Management: The `TRANSFER_PATH` parameter did not work properly.
1-600279823 (193256)	HP Project Management: Changes in Scheduled Start Date and Scheduled Finished Date sometimes failed.
1-663302343 (195392)	The `PM_UTILS.GET_TASK_ANLC` function was calculating labor, not non-labor, costs.
1-659159199 (195331)	Analyze Assignment Load portlet: The portlet did not display the capacity of parent resource pools in addition to child resource pools.
1-421937973, 1-525478357 (175633)	Reports: The Compare File System Environments report did not work.
1-604796083 (193472)	An error appeared in Request List portlets after an upgrade, and when the `com.kintana.core.server.ENABLE_PORTLET_FULL_RESULTS_SORTING` parameter was set to `true`.
1-529413694 (189454)	In certain cases where "Date field" was configured as one of the fields for a Search request, the error "ORA-01722: invalid number" occurred.
NA (194078)	Logon page: `MAX_LOGON_TRIES` did not always work correctly.
1-523503753 (186350)	When running a user import report, if the **Disable Users Not Imported** option was set to **Yes,** existing PPM Center users not imported by the report were disabled, including the admin.
1-653465763 (195414)	Project managers with a Gantt default work plan view were unable to open work plans.

Tracking No. (Defect No.)	Description (SP3)
1-572364233 (191059)	Project Budget and Staffing Profile vs. Actuals portlet: Not all Green Health projects were displayed.
1-602085423 (193323)	Request Header Type: The Notes history displayed Code instead of Meaning value.
1-558457483 (190677)	A new server.conf parameter has been introduced to control LDAP dereferencing. If LDAP_ENABLE_DEREFERENCING is set to "NO," then dereferencing is disabled. By default, dereferencing is enabled. For more details about LDAP dereferencing, see: http://java.sun.com/products/jndi/tutorial/ldap/misc/aliases.html.
1-648877043 (194956)	PFM Proposal: After creating a PFM-Proposal request, and then attempting to create an associated budget or staffing profile, an error message appeared that indicated another user was updating the request. In addition, the staffing profile did not get attached to the request.
1-653465911 (195472)	Performance improvements were made to the Analyze Resource Load page.
1-630795323 (194469)	Export to Excel: Project work plans in which task names included French accents did not display correctly when exported.
1-537276963 (187741)	Migrating entities: There were issues with migration in clustered environments. To migrate in clustered environments, follow these guidelines: ■ Migrations to or from a clustered environment should always use primary server. ■ Though the migration can be performed using any PPM Center instances, the source and destination must be the primary of each respective server. The primary server is defined as the one configured to be the primary server in the server.conf file. Also, a TRANSFER_PATH configuration will be ignored. All migration will be performed to and from /transfer.
1-608439633 (195158)	It is possible to attach a very large attachment (greater than 50 MB) to a request.

Service Pack 2 Enhancements and Fixes

The following enhancements were added to Service Pack 2:

- Support for German and Korean language packs.

The following items (identified by error tracking number) were fixed in Service Pack 2:

Tracking No. (Defect No.)	Description (SP2)
NA (186449)	PPM Center scripts did not work with the latest version of Cygwin due to the change in the way that text files are handled by default in a bash shell.
1-630129263 (194814)	HP Resource Management: In staffing profiles with multiple lines of Unmet Demand, when sending resource requests, a Response Needed By date appeared to be required for positions that were not selected.

Service Pack 1 Enhancements and Fixes

The following enhancements were added to Service Pack 1:

- Support for Oracle 9.2.0.8. See the *System Requirements and Compatibility Matrix* for details.

- Request batch update feature. You can search for requests of a particular type and update an entire set of requests at the same time instead of updating each individual request.

   To use the request batch update feature, search for requests that you want to update. On the Request Search Results page, select the requests to update, and then click **Batch Update.**

   Note the following for the request batch update feature:

   □ Only one request type is supported for batch update.

   □ You can update standard request fields (such as text fields, date fields, and lists) and workflow actions, and you can add notes to requests. You cannot use batch update to update complex components such as attachments, table components, and entity chooser components (such as staffing profiles and budgets).

   □ If all of the requests in the batch are active at the same workflow step, you can take action on that step for all of the requests. You can update only one active workflow step at a time.

The following items (identified by error tracking number) were fixed in Service Pack 1:

Tracking No. (Defect No.)	Description (SP1)
1-598946713 (192881)	HP Project Management: Saving a Project Type took a significant amount of time.
1-583357803 (193423)	When using the resource finder in staffing profiles, resources could be assigned regardless of security settings.
1-597778533 (192559)	When Manage Pool Capacity was selected for a resource pool associated with a region with a regional calendar that included a month without any working days, an error occurred.
1-614942163 (193724)	HP Resource Management, Staffing Profiles: An error appeared when clicking "Change header" for a Staffing Profile if the associated project had a finish date later than December 2012.

Tracking No. (Defect No.)	Description (SP1)
1-563836423 (180615)	HP Project Management: An error occurred when running the Project Status Detail Report with no filters, and with a large number of projects included in the report.
1-340247380 (170195)	Microsoft Project Synchronization: The value for Scheduled Effort was incorrect when Actual Effort was modified for a project for PPM Center and then synchronized with Microsoft Project.
1-587358023 (191296)	The licenses of disabled users from a previous version were counted toward the total license number upon upgrade.