

HP Project and Portfolio Management Center

Software Version: Content Pack 2.0

Operational Reporting for PPM Center Release Notes

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Contents

Chapter 1: Overview of Operational Reporting Content Pack 2.0 for PPM Center	4
Protecting Your Deployment from Security Vulnerabilities	5
Software and Hardware Requirements	5
Installation Notes	6
Obtaining Installation/Upgrade Bundle for Content Pack 2.0	7
Chapter 2: New Features in Operational Reporting Content Pack for PPM Center	8
New in Content Pack 2.0	8
Operational Reporting for Demand Management	8
Operational Reporting for Portfolio Management	9
Operational Reporting for Financial Management Benefit	9
Chapter 3: Changes to Tables and Views	11
Data Model Changes in Content Pack 2.0	11
Tables	11
Views	12
Materialized Views	13
Chapter 4: Enhancements and Fixes	14
Fixes in Content Pack 2.0	14
Send Documentation Feedback	15

Chapter 1: Overview of Operational Reporting Content Pack 2.0 for PPM Center

This document provides an overview of the changes made to Operational Reporting for HP Project and Portfolio Management Center (PPM Center) Content Pack 2.0 (CP2.0). It contains important information not included in the manuals. This section contains general notes on system requirements and installation.

IMPORTANT

Operational Reporting Content Pack 2.0 is independent of SAP BusinessObjects Enterprise Server 3.1. You can expect the following changes regarding BusinessObjects Server in Content Pack 2.0:

- The installation and upgrade bundles of SAP BusinessObjects Enterprise Server 3.1 are not included in Content Pack 2.0.
- OOTB BusinessObjects Universes and reports are not provided in Content Pack 2.0.
 - The existing users of Operational Reporting solution can continue to use BusinessObjects Server, because BusinessObjects Server and universes are still compatible with Content Pack 2.0. You are free to customize these BusinessObjects Universes in order to use the new tables added for Demand Management and Portfolio Management in Content Pack 2.0. However, no universes are available for the fact tables and dimension tables that are newly added in Content Pack 2.0.
 - HP cannot guarantee that the existing BO universes will be compatible with any versions later than PPM Center 9.30.

The remaining sections of this document provide information about the changes introduced in CP2.0:

- ["Overview of Operational Reporting Content Pack 2.0 for PPM Center" above](#)
- ["New Features in Operational Reporting Content Pack for PPM Center" on page 8](#)
- ["Changes to Tables and Views" on page 11](#)
- ["Enhancements and Fixes" on page 14](#)

Protecting Your Deployment from Security Vulnerabilities

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

Software and Hardware Requirements

Before you install Operational Reporting Content Pack 2.0 for PPM Center, check to make sure that your system meets the minimum requirements, as described in this section, as well as in the *System Requirements and Compatibility Matrix* for version 9.30.

Note: Operational Reporting Content Pack 2.0 cannot work with Oracle 12c if the database is running in Container Database (CDB) or Pluggable Database (PDB) mode. However, it supports non-CDB/PDB mode on Oracle 12c.

Note: If there are any discrepancies between the information in this section and the *System Requirements and Compatibility Matrix*, the information in this section shall prevail.

The System Requirements and Compatibility Matrix is available from the HP Software Product Manuals Web site (<https://softwaresupport.hp.com/>). You must have an HP Passport account to access this Web site.

The following table describes compatibility matrix between the Operational Reporting solution and PPM Center.

Operational Reporting Solution for PPM Center Version	PPM Center Version									
	9.10	9.11	9.12	9.13	9.14	9.20	9.21	9.22	9.30	9.31

9.10 (GA)	X									
9.12 Content Pack 1		X	X	X	X					
Content Pack 1.1			X	X	X					
Content Pack 1.2			X	X	X					
Content Pack 1.3			X	X	X	X	X	X		
Content Pack 2.0			X	X	X	X	X	X	X	X

Installation Notes

The Operational Reporting Content Pack 2.0 for PPM Center package contains an install bundle and an upgrade bundle. Therefore, it supports the following installation and upgrade paths:

- **Fresh installation.** For new users of Operational Reporting solution, they can install Content Pack 2.0 directly, as this version contains everything since version 9.10 (GA) of the Operational Reporting solution.
- **Upgrade.** For existing users of Operational Reporting solution, they must upgrade Operational Reporting solution to Content Pack 1.3 first, and then to Content Pack 2.0. The following upgrade paths are supported:

Current Version	Supported Upgrade Sequence
9.10 (GA)	Content Pack 1.3 > Content Pack 2.0
9.12 Content Pack 1	Content Pack 1.3 > Content Pack 2.0
Content Pack 1.1	Content Pack 1.3 > Content Pack 2.0
Content Pack 1.2	Content Pack 1.3 > Content Pack 2.0
Content Pack 1.3	Content Pack 2.0

For detailed instructions about upgrading Operational Reporting solution to Content Pack 1.3, see the *Operational Reporting Administrator's Guide* for Content Pack 1.3.

Obtaining Installation/Upgrade Bundle for Content Pack 2.0

To obtain the installation or upgrade bundle for Operational Reporting Content Pack 2.0 for PPM Center:

1. Install all necessary service packs and packages for your operation system.
2. To get the Operational Reporting Content Pack 2.0 for PPM Center installation or upgrade bundle:
 - a. Go to [Operational Reports Content for Project and Portfolio - Downloads](https://hpln.hp.com/node/81/contentfiles) page on the HPLN Web site (<https://hpln.hp.com/node/81/contentfiles>).

Note: To access this Web site, you must provide your SAID for PPM Center.

- b. Select **PPM Operational Reporting CP2.0**.
- c. Download the installation bundle or upgrade bundle as follows:
 - CP2.0_Refresh_Install_Bundle.zip is the installation bundle for Windows.
 - CP2.0_Refresh_Install_Bundle.tar.gz is the installation bundle for UNIX.
 - CP2.0_Upgrade_Bundle.zip is the upgrade bundle for Windows.
 - CP2.0_Upgrade_Bundle.tar.gz is the upgrade bundle for UNIX.

For detailed instructions about the fresh installation of and the upgrade to Content Pack 2.0, see the *Operational Reporting Administrator's Guide* for Content Pack 2.0.

Chapter 2: New Features in Operational Reporting Content Pack for PPM Center

New in Content Pack 2.0

Operational Reporting for PPM Center Content Pack 2.0 introduces the following new features:

- ["Operational Reporting for Demand Management" below](#)
- ["Operational Reporting for Portfolio Management" on the next page](#)
- ["Operational Reporting for Financial Management Benefit" on the next page](#)

Operational Reporting for Demand Management

Operational Reporting for PPM Center Content Pack 2.0 provides capability for reporting on Demand Management module in PPM Center. You can create report queries according to Operational Reporting diagrams and tables.

To enable reporting on Demand Management module,

- The following fact and dimension tables are added in Content Pack 2.0:
 - RPT_FCT_REQUEST_TRANSACTIONS
 - RPT_REQ_<Request_Type>
 - RPT_TC_<Table_Component>
 - RPT_DIM_WORKFLOW_STEPS
- The table RPT_DIM_REQUESTS is modified by including all PPM Center requests information.

For details of these tables, see ["Changes to Tables and Views" on page 11](#) and *Operational Reporting Administrator's Guide* for Content Pack 2.0.

Operational Reporting for Portfolio Management

Operational Reporting for PPM Center Content Pack 2.0 provides capability for reporting on Portfolio Management module in PPM Center. You can create report queries according to Operational Reporting diagrams and tables.

To enable reporting on Portfolio Management module:

- The following dimension tables are added in Content Pack 2.0:
 - RPT_DIM_PORTFOLIO_MANAGERS_MV
 - RPT_DIM_PORTFOLIOS
- The following tables are modified:
 - RPT_DIM_REQUESTS, with the columns DIRECT_PORTFOLIO_ID and DIRECT_PORTFOLIO_NAME added
 - RPT_DIM_PROJECTS_MV, with the columns DIRECT_PORTFOLIO_ID and DIRECT_PORTFOLIO_NAME added
 - RPT_DIM_PROGRAMS_MV, with the columns PORTFOLIO_ID and PORTFOLIO_NAME added
 - RPT_FCT_FM_FCST_ACTUAL_CELL , with PPM Center portfolios data added
 - RPT_FCT_FM_APPROVED_BUDGETS, with PPM Center portfolios data added
 - RPT_FCT_FM_FA_APPROVED_MV, with PPM Center portfolios data added

For details of these tables, see ["Changes to Tables and Views" on page 11](#) and *Operational Reporting Administrator's Guide* for Content Pack 2.0.

Operational Reporting for Financial Management Benefit

Operational Reporting for PPM Center Content Pack 2.0 provides capability for reporting on Financial Summary benefit in PPM Center. You can create report queries according to Operational Reporting diagrams and tables.

Note: In previous versions, from Financial Summary Report, you can only view budget or budget-

related information. In Content Pack 2.0, benefit information is included in the report.

To enable the reporting on Financial Summary benefit, the following fact and dimension tables are added in Content Pack 2.0:

- RPT_FCT_FM_BENEFIT_CELLS
- RPT_DIM_FM_BENEFIT_MV
- RPT_DIM_FM_BENEFIT_LINE_MV

For details of these tables, see ["Changes to Tables and Views" on page 11](#) and *Operational Reporting Administrator's Guide* for Content Pack 2.0.

Chapter 3: Changes to Tables and Views

Data Model Changes in Content Pack 2.0

This section describes the major changes to the Operational Reporting data model in Operational Reporting Content Pack 2.0 for PPM Center.

For more details of these tables, see *Operational Reporting Administrator's Guide* for Content Pack 2.0.

Tables

- The tables added in Content Pack 2.0 are listed as follows:

Table Name	Contents
RPT_FCT_FM_BENEFIT_CELLS	This table holds financial summary benefit information derived from PPM Center tables. All the fields are derived from PPM Center benefit tables.
RPT_FCT_REQUEST_TRANSACTIONS	This table holds workflow transaction history derived from PPM Center tables. All the fields are derived from PPM Center workflow transaction tables.

- The tables modified in Content Pack 2.0 are listed as follows:

Table Name	Changes
RPT_DIM_REQUESTS	<ul style="list-style-type: none"> Added DIRECT_PORTFOLIO_ID column and DIRECT_PORTFOLIO_NAME column. Included all PPM Center requests information.^a
RPT_FCT_FM_FCST_ACTUAL_CELL	Included PPM Center portfolios data. ^b
RPT_FCT_FM_APPROVED_BUDGETS	Included PPM Center portfolios data. ^b
<p>a. In previous versions, only proposals, projects, assets, and requests that have been logged in</p>	

time sheets are included in RPT_DIM_REQUESTS. In Content Pack 2.0, all requests created after the date specified in REQDIM_ETL_START_DATE are included in RPT_DIM_REQUESTS.

b. The included portfolio data may make the reports of financial data created in this version different from those created in previous versions. To avoid the differences, you can add a filter to exclude portfolio data.

Views

The views added in Content Pack 2.0 are listed as follows:

View Name	Contents
RPT_REQ_<Request_Type>	Dimension table of requests of a specified request type.
RPT_TC_<Table_Component>	Dimension table of table components.

Materialized Views

- The materialized views added in Content Pack 2.0 are listed as follows:

View Name	Contents
RPT_DIM_PORTFOLIO_MANAGERS_MV	Dimension table of portfolio managers, holding information of portfolio managers. This is a materialized view on top of PFM_PORTFOLIO_MANAGERS, RSC_RESOURCES, and KNTA_USERS tables.
RPT_DIM_WORKFLOW_STEPS	Dimension table of workflow steps. This is a materialized view on top of KWFL_WORKFLOW_STEPS_NLS and KWFL_WORKFLOWS_NLS tables, representing the relationship between enabled workflow steps and workflows that these steps belong to.
RPT_DIM_PORTFOLIOS	Dimension table of portfolios, holding portfolio information including ID, name, and portfolio hierarchy. This is a materialized view on top of PFM_PORTFOLIOS table.
RPT_DIM_FM_BENEFIT_MV	Dimension table of Financial Summary benefit, holding financial summary benefit data. This is a materialized view on top of FM_BENEFITS and FM_USER_DATA tables.
RPT_DIM_FM_BENEFIT_LINE_MV	Dimension table of Financial Summary benefit line, holding information of every financial summary benefit line.

- The materialized views modified in Content Pack 2.0 are listed as follows:

View Name	Changes
RPT_DIM_PROJECTS_MV	Added DIRECT_PORTFOLIO_ID column and DIRECT_PORTFOLIO_NAME column.
RPT_DIM_PROGRAMS_MV	Added PORTFOLIO_ID column and PORTFOLIO_NAME column.
RPT_FCT_FM_FA_APPROVED_MV	Included PPM Center portfolios data. ^a
<p>a. The included portfolio data may make the reports of financial data created in this version different from those created in previous versions. To avoid the differences, you can add a filter to exclude portfolio data.</p>	

Chapter 4: Enhancements and Fixes

Fixes in Content Pack 2.0

Operational Reporting CP 2.0 for PPM Center includes the fixes listed in the following table:

Global ID	Problem Description
QCCR1L50835	Wrong indexes in RSC_POSITION_FORECAST and RSC_STAFF_PROF_ALLOCATION.
QCCR1L51053	There is discrepancy between PPM Center database and BO database for Time Management.
QCCR1L51056	Performance issue when running <code>sample_upgrade_rpt</code> . To fix this issue, two parameters, <code>PARALLEL_ENABLED</code> and <code>PARALLEL_FORCE_LOCAL</code> , are introduced into <code>RPT_PARAMS</code> table. Setting these two parameters to <code>true</code> , you enable them, and setting these parameters to <code>false</code> , you disable them. You can choose to enable or disable these two parameters according to their settings on the Oracle side.
QCCR1L51966	Time sheet lines show wrong statuses in BO reports.
QCCR1L51976	Time sheet actual cost shows different values in PPM Center and BO reports when a resource's cost rate is changed.
QCCR1L51977	Time sheet reporting data for a resource are incorrectly calculated when the resource's participation percentage in the resource pool is changed.
QCCR1L52978 QCCR1L53101	When running ETL fails, the value of <code>PRT_ETL_JOB.STATUS</code> is still <code>RUNNING</code> , which prevents other jobs from executing.
QCCR1L53977	Error appears when you run BusinessObjects ETL.
QCCR1L54992	ETL throws errors in Content Pack 1.2.
QCCR1L54993	Time sheet line statuses are not properly updated in <code>RPT_DIM_TM_TIME_SHEET_LINES</code> table.

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