PRIMAVERA

Manually Upgrading the P6 Professional Database for Oracle Release 8.1

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Oracle Primavera Manually Upgrading the P6 Professional Database for Oracle

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Preface

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Where to Get Documentation

For the most up-to-date versions of all manuals and technical documents related to installing, administering, and using P6 Professional, go to:

http://download.oracle.com/docs/cd/E23006_01/index.htm.

You can also access the versions of the product manuals and technical documents that were available at the time of the release from the P6 Professional Documentation Center, located in the \Documentation\Documentation_library\<language> folder of the P6 Professional physical media or download.

The following table lists the core documents available for the release, and identifies recommended readers by role. P6 Professional roles are described in the *P6 Professional Administrator's Guide*. Other, more technical documents are available on the media pack and OTN site, but are not listed below.

Title	Description
P6 Professional Administrator's Guide	Explains how to set up the P6 Professional database, servers, and components; it also provides an overview of all the components in the P6 Professional solution. The guide describes the procedures required to administer P6 Professional, including setting up security and configuring global preferences. The P6 Professional network administrator/database administrator should read this guide.
Tested Configurations	Lists the configurations that have been tested and verified to work with P6 Professional. The network administrator/database administrator and P6 Professional administrator should read this document.
P6 Professional Standalone Installation and Configuration Guide	Explains how to install and configure P6 Professional as a standalone application.

Title	Description
P6 Professional Help	Explains how to use P6 Professional to plan, set up, and manage projects in a multiuser environment. If you are new to P6 Professional, use this Help to learn how to use the software effectively to plan and manage projects. The P6 Professional administrator, program manager, project manager, resource/cost manager, and team leader should read this Help.
P6 Professional User's Guide	This guide explains how to plan, set up, and manage projects in a multiuser environment. If you are new to P6 Professional, start with this guide to learn how to use the software effectively to plan and manage projects. When you need more detail, refer to the P6 Professional Help. The program manager, project manager, resource/cost manager, and team leader should read this guide.
Primavera Timescaled Logic Diagram Help	Describes how to create, modify, and manage Timescaled Logic Diagrams. Timescaled Logic Diagrams condense the project schedule displayed in the Gantt Chart into a more readable, easier to understand format that provides a snapshot of the entire project plan and the chains of activities that drive the project schedule.
P6 SDK *Web-based documentation*	Describes how to use the P6 SDK to connect to the P6 Professional database. The tables, fields, and stored procedures that you can access through the P6 SDK are described. Examples are also provided to show how you can use the P6 SDK to perform several basic tasks, such as creating a new project or assigning a resource to a project activity. The P6 Professional network administrator/database administrator should read this documentation, which is available in *local drive*\Program Files\Oracle\Primavera P6 Professional\PMSDK\Doc\ by default. Double-click the INDEX.HTML file to open the Table of Contents.
P3 to P6 Professional Migration Guide	This guide provides best practices for migrating your P3 data to P6 Professional, and details how P3 functionality maps to P6 Professional functionality.

Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Each team member can then view or print those portions that specifically relate to his or her role in the organization.

Throughout this documentation, the Security Guidance icon helps you to quickly identify security-related content to consider during the installation and configuration process.

Where To Get Training

To access comprehensive training for all Primavera products, go to:

http://education.oracle.com

Where to Get Support

If you have a question about using Oracle products that you or your network administrator cannot resolve with information in the documentation or help, go to:

http://www.oracle.com/us/support/index.html

This page provides the latest information on contacting Oracle Global Customer Support and the support renewals process.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit ***http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info*** or visit ***http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs*** if you are hearing impaired.

Overview of Manually Upgrading a P6 Professional Database to P6 Professional R8.1

To manually convert your P6 Professional version 6.0 or higher database to P6 Professional R8.1, follow the procedures described in this document. These procedures should be performed by an experienced database administrator. You should complete these processes in the order specfied:

- Back up the existing P6 Professional database (also known as PMDB).
- If you are upgrading from Version 7.0 or earlier, migrate all your methodologies. Use Project Architect in the Project Management module (version 7.0 or earlier) to convert the data from a methodology to a project. (See ***Convert Methodologies to Projects*** (on page 11).)
- Run the appropriate scripts to upgrade the database structure to P6 Professional R8.1. Oracle recommends that you use SQL Plus to run scripts referenced in the following instructions.
- To configure the Oracle database server for SSL, please see the *Advanced Security Administrator's Guide* included with the Oracle Database Server Documentation for configuring the Oracle Server and Oracle Client(s) for SSL.

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Manual Database Upgrade Process

You can upgrade your existing P6 Professional database (version v6.2, v6.2.1, or v7) to P6 Professional R8.1. You must upgrade your P6 Professional database so it will work with the new version. Use the scripts provided to upgrade your database.

All risk data fields are migrated when upgrading; existing fields are mapped to new fields. See ***Risks Migration*** (on page 12) for more information.

Convert Methodologies to Projects

To migrate Methodology Management version 7.0 or earlier data to P6 Professional R8.1 projects, use Project Architect in the Project Management module (version 7.0 or earlier) to convert the data from a methodology to a project.

To convert Methodology Management data to a project:

1) Create a new EPS node in P6 Professional version 7.0 where you can store all your Methodology Management projects.
2) Use Project Architect in P6 Professional version 7.0 to create projects from Methodology Management data. For more information on using Project Architect, see version 7.0 of the *Oracle Primavera P6 Project Management Reference Manual*.

Note: You can create only one project at a time. If you want all of your Methodology Management data moved to projects, contact Oracle Consulting to automate the process.

3) After you have converted all your Methodology Management data to projects, upgrade P6 Professional.

Risks Migration

The following table illustrates the risks data field mapping when upgrading from P6 Professional database (version 6.0 through 7.0 SP3) to P6 Professional R8.1.

Risks Fields Migration Table

Name	P6 Professional database (version 6.0 through 7.0 SP3) Risks Fields	P6 Professional R8.1 Risks Field
Risk ID	risk_id	risk_id
	risk_id	risk_code (PROJRISK appended with risk_id)
Risk Name	risk_name	risk_name
Risk Description	risk_descr	risk_desc
Risk Status	status_code	status_code Open= Open; Closed=Managed (closed)
Risk Category ID	risk_type_id	risk_type_id
Risk Control	risk_control	Appended with 'Risk Control'
Risk UDFs	table_name	table_name
Applies to WBS	wbs_id	Appended with 'Applies to WBS' <WBS name>
Applies to Resource	rsrc_id	rsrc_id
Responsible Manager	obs_id	Appended with 'Responsible Manager' <OBS name>
Priority	priority_type	Appended with 'Priority' <priority_type>
Project ID	proj_id	proj_id
Date Identified	add_date	add_date

Name	P6 Professional database (version 6.0 through 7.0 SP3) Risks Fields	P6 Professional R8.1 Risks Field
Impact Date	impact_date	Appended with 'Impact Date' <add_date in mmm-dd-yyyy format >
Probability	prbly_pct	Appended with 'Probability' <prbly_pct>
Impact - Labor Units	impact_work_qty	Appended with 'Impact - Labor Units' <impact_work_qty> - 2 decimals
Impact - Nonlabor Units	impact_equip_qty	Appended with 'Impact - Nonlabor Units' <impact_equip_qty> - 2 decimals
Impact - Material Units	impact_mat_qty	Appended with 'Impact - Material Units' <impact_mat_qty> - 2 decimals
Impact - Expenses	Impact_expense_cost	Appended with 'Impact - Expenses' <impact_expense_cost> - 2 decimals
Risk Control	risk_control	Appended with 'Risk Control'<risk_control>
Risk Category	risk_type	risk_type
Risk Category Sequence ID	seq_num	seq_num

Run the Oracle Database Upgrade Scripts for the P6 Professional Database

1) Copy the "scripts" folder to a local drive. The folder can be found in the **Database** directory of the P6 Professional physical media or download.
2) Log into the database as admuser, or use your custom administrative user name if you created one.
3) Go to \scripts\install\PPM_08_00_00 and execute the **orppm_create_bguser_upgrade.sql** script.
4) Go to \scripts\install\PPM_08_00_00 and execute the **orppm_grantpriv_bguser_upgrade.sql** script.
5) Go to \scripts\common and execute the **or_disable_triggers.sql** script.
6) Go to \scripts\upgrade\PPM_08_00_00 and execute one of the following scripts:

   Note: If you are upgrading from a version earlier than 6.0, contact Oracle Support for the instructions you will need.

   ORPPM_p6.sql, if upgrading from P6 version 6.0

   ORPPM_p61.sql, if upgrading from P6 version 6.1

   ORPPM_p62.sql, if upgrading from P6 version 6.2 or 6.2.1

   ORPPM_p621sp1.sql, if upgrading from P6 version 6.2.1 service pack 1

   ORPPM_p70sp1.sql, if upgrading from P6 version 7.0 or 7.0 service pack 1

   ORPPM_p70sp3.sql, if upgrading from P6 version 7.0 service pack 3
7) If you're using version **ORPPM_p70sp1.sql or later**, skip to the next step.

   If you're using a version before **ORPPM_p70sp1.sql**, go to \scripts\common and execute the **or_update_usereng.sql** script to grant all users with P6 Professional module access rights to the Projects section in P6 Professional.
8) Go to \scripts\common and execute the **or_post_upgrade** script.
9) Go to \scripts\upgrade\PPM_08_00_00 and execute the **orppm_grants.sql** script.

   Note: If you changed the default user names, you must update the privuser and pubuser names in this script with your custom user names.

10) Go to \scripts\upgrade\PPM_08_00_00 and execute the **orppm_synonyms.sql** script.

    Caution: The **orppm_synonyms.sql** script contains a table called PUBUSER, do not replace it if you have to change the pubuser user name.

> **Note:** If you changed the default user names, you must update the admuser, privuser, and pubuser names in this script with your custom user names.

11) Go to \scripts\source\PPM_08_00_00 and execute the **orppm_src.plb** script.
12) Go to \scripts\install\PPM_08_00_00 and execute the **orppm_database_version.sql** and **orppm_querylib.sql** scripts.
13) Go to \scripts\common and execute the **or_enable_triggers.sql** script.
14) Run the **databaselogins.bat** (on Windows) or **databaselogins.sh** (on Unix) to upgrade the encryption of privilege user passwords.
15) Log into the database as background job user.
16) Go to \scripts\install\PPM_08_00_00 and execute the **orppm_init_bgjobs.sql** script.

Private Database Logins for P6 Professional

Private database logins are used primarily by administrators to gain direct access to a database. For example, the privileged user login that you use to access the P6 Professional database is a private database login. You can add, modify, or delete existing logins using the Database Logins tool. This can also be accomplished using the Administration Configuration tool.

P6 Professional R8.1 includes an encryption algorithm that provides enhanced security for private database logins; however, the encryption algorithm is not automatically enforced when you manually configure or upgrade your database. If you manually configure or upgrade your database, Oracle recommends that you use this encryption algorithm. To do so, you must reset the private database login. See ***Resetting Private Database Passwords to Use the New Encryption Algorithm*** (on page 16) for instructions. If automatically installing or upgrading your database, no configuration is needed after the upgrade to use the encryption algorithm. User logins and passwords are not affected.

Related Topics

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Resetting Private Database Passwords to Use the New Encryption Algorithm

To reset private database passwords to use the new encryption algorithm:

1) Run **databaselogins.bat** (databaselogins.sh for Linux) from the Database folder of the P6 Professional physical media or download.
2) On the **Database Connection** dialog box:
   a. Select the database, Oracle.

b. Type the user name and password of a privileged database user (for example, privuser). This login should have administrative rights on the database.
c. Enter the host address, host port, and instance name specific to your Oracle installation. The Port field displays the default port for the database type you selected.
d. Click **Next**.

3) On the **Private Database Logins** dialog box:
a. Select the private database user name that you wish to reset.
b. Highlight the password, and change it (or simply re-enter the existing password).
c. Click the **Update Password** button.
d. To reverse a change, click **Undo**. Undo will reverse any changes made during the current session.
e. Click **Save**.
f. Click **OK** to exit the Database Logins tool.