Agile Product Lifecycle Management

Agile PLM Data Mart Readme

v.3.2.0.2

Part Number: E26532_04
March 2012

Copyright and Trademarks

Copyright © 1995, 2012, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS
Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle and Java are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third party content, products and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third party content, products or services. The RMW product includes software developed by the Visigoth Software Society.

CONTENTS

Copyright and Trademarks ii

Patch Installation 1

Prerequisites 2
Preinstallation Steps 2
Backing out from the Patch Installation 2
Installation Steps 3
Post Installation Steps 5

Installing on Real Application Cluster 7

Prerequisites 7
Installing Agile PLM Data Mart Patch 3.2.0.2 on Real Application Cluster 7
Post Installation Steps 8

Resolved Issues 9

Related Documentation 11

Preface

Oracle's Agile PLM documentation set includes Adobe® Acrobat PDF files. The Oracle Technology Network (OTN) Web site http://www.oracle.com/technetwork/documentation/agile-085940.html contains the latest versions of the Agile PLM PDF files. You can view or download these manuals from the Web site, or you can ask your Agile administrator if there is an Agile PLM Documentation folder available on your network from which you can access the Agile PLM documentation (PDF) files.

Note	To read the PDF files, you must use the free Adobe Acrobat Reader version 9.0 or later. This program can be downloaded from the Adobe Web site http://www.adobe.com.

The Oracle Technology Network (OTN) Web site http://www.oracle.com/technetwork/documentation/agile-085940.html can be accessed through **Help** > **Manuals** in both Agile Web Client and Agile Java Client. If you need additional assistance or information, please contact My Oracle Support (https://support.oracle.com) for assistance.

Note	Before calling Oracle Support about a problem with an Agile PLM manual, please have the full part number, which is located on the title page.

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, 7 days a week. For TTY support, call 800.446.2398. Outside the United States, call +1.407.458.2479.

Readme

Any last-minute information about Agile PLM can be found in the Readme file on the Oracle Technology Network (OTN) Web site http://www.oracle.com/technetwork/documentation/agile-085940.html.

Agile Training Aids

Go to the Oracle University Web page http://www.oracle.com/education/chooser/selectcountry_new.html for more information on Agile Training offerings.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Chapter 1

Patch Installation

This chapter includes the following:

- Prerequisites 2
- Preinstallation Steps 2
- Backing out from the Patch Installation 2
- Installation Steps 3
- Post Installation Steps 5

This document describes the steps to install Agile PLM Data Mart Patch 3.2.0.2 on an existing instance of Agile PLM Data Mart 3.2.0.1 or 3.2.0.1.x.

This Service Pack release contains the following:

- Cumulative fixes from Agile PLM Data Mart Patch 3.2.0.1.1 to Agile PLM Data Mart 3.2.0.1.7 release.
- Certification for Agile PLM 9.3.0.3
- Certification for Agile PLM 9.3.1
- Certification for Agile PLM 9.3.1.1
- Certification for Agile PLM 9.3.1.2
- Certification on Real Application Cluster (RAC)
- Certification on Oracle 11gR2

Important Do not apply this service pack if you are using PLM Data Mart version 3.2.0.1.7.

All the tables in ODI Repository schema will be dropped in one of the installation steps.

Backup all the ODI Objects for all projects that you created on top of the ODI 3.2.0.1.x repository.

Restore your customization *after* completing the patch installation steps, manually.

Prerequisites

PLM Data Mart 3.2.0.1.0 or 3.2.0.1.x must be already installed.

Preinstallation Steps

Export the following database schemas *before* applying the patch:

- ODI Work repository
- ODI Master repository
- ODM schema

Backing out from the Patch Installation

If, for any reason a back-out is required from the patch installation *and* you have implemented the above step, you can back-out from the patch installation by completing the following steps:

1. Restore the following schemas by importing the previously backed up database export dumps to schemas with the same username and password:

    - ODI Work repository
    - ODM schema

2. Remove temp tables (i$, j$ and etc) in both schemas.

3. Change the ETL configuration to run ODM in FULL load mode.

Installation Steps

To complete the patch installation, perform the following steps:

1. Ensure you stop the following before starting the patch installation:

    - ODI Agents
    - Scheduler Agent
    - ETL tasks

2. Set the environment variable to point to the Data Mart home directory (where the existing Agile PLM Data Mart 3.2.0.1 software is installed).

    In Windows: Set PLMDM_Home = D:\PLMDM
    In Linux and Solaris: export PLMDM_Home = /home/oracle/PLMDM

3. Copy the *DM3202.zip* file to the PLM Data Mart home directory.

4. Unzip the content from the *DM3202.zip* file. Enter the following command to extract the contents of the .zip file.

    ```
    jar -xvf  DM3202.zip
    ```

    After you extract the files into the PLM Data Mart home directory, it displays the following folders under the **Patches** folder:

    - **DM3202**
        - **etl**
        - **schema**

5. Execute the SQL script to apply the PLM Data Mart schema changes.

    1. Using the command prompt, or shell, log into the PLM Data Mart schema.

2. After connecting to the PLM Data Mart schema execute the following script:

```
SQL> @DM3202.sql
```

The *DM3202.sql* script can be found in the following location:

In Windows: %PLMDM_Home%\Patches\DM3202\schema
In Linux and Solaris: $PLMDM_Home/Patches/DM3202 /schema

Important Only if the PLM version you are using is 9.3 and above, execute the *Dictionary_UPD_PLM93.sql* file. Use the following script: *SQL>@Dictionary_UPD_PLM93.sql*

6. Clean up the ODI Work Schema and the ODI Master Repository schema using the *Upgrade_ODIRep_Cleaner.sql* script, located at:

In Windows: %PLMDM_Home%\Patches\DM3202\schema
In Linux and Solaris: $PLMDM_Home/Patches/DM3202/schema

1. Log into the ODI Work Repository schema and execute the following script:

```
SQL> @Upgrade_ODIRep_Cleaner.sql
```

2. Log into the ODI Master Repository schema and execute the same script.

7. Execute the batch file to import Data Mart ODI ETL components. The batch file can be found at the following location:

In Windows: *%PLMDM_Home%\bin*
In Linux and Solaris*: $PLMDM_Home/bin*

Important If you have already run the *DataMartETLInstall_sp.bat* file or the *DataMartETLInstall_sp.sh* file in your environment, do *not* execute the file again!

1. Execute the batch file as follows:

   In Windows:

   cd %PLMDM_Home%\bin
   DataMartETLInstall_sp.bat <AA_HOME>

Note	Replace <AA_HOME> with the PLM Data Mart home directory path. For example: Replace <AA_HOME> with D:\PLMDM

   In Linux or Solaris:

   cd $PLMDM_Home\bin
   ./DataMartETLInstall_sp.sh <AA_HOME>

Note	Replace <AA_HOME> with the PLM Data Mart home directory path. For example: Replace <AA_HOME> with /home/oracle/PLMDM

Important	Make sure that the `DataMartETLInstall_sp.sh` has 'Execute' privileges. Make sure that **$ODI_HOME/bin** folder is present in the Operating System Path.

Post Installation Steps

1. Execute the post-install SQL script to refresh the Database for Full load.

   Log into the Data Mart schema and execute the *PostInstallation.sql* file:

   ```
   SQL>@PostInstallation.sql
   ```

2. Log into the Agile PLM schema and execute the *PostInstallation.sql* script and the drop

statement.

```
SQL>@PostInstallation.sql
SQL> DROP TABLE SNP_SUBSCRIBERS;
```

Note Ignore the following error message, if it appears.
The table or view does not exist while dropping the SNP_SUBSCRIBERS table.

3. After applying the patch, execute FULL ETL Load.

Important This should be the f*irst* time you are executing a Full ETL Load, after applying the patch.

Chapter 2

Installing on Real Application Cluster

This chapter includes the following:

- Prerequisites 7
- Installing Agile PLM Data Mart Patch 3.2.0.2 on Real Application Cluster 7
- Post Installation Steps 8

This section lists the prerequisites, installation procedure, and post-installation guidelines for installing Agile PLM Data Mart Patch 3.2.0.2 on Real Application Cluster.

Prerequisites

1. Install Oracle 11gR2 clusterware. For more information, see Oracle 11gR2 documentation.

2. Install supported ODI version. For more information, see ODI Installation documentation.

Installing Agile PLM Data Mart Patch 3.2.0.2 on Real Application Cluster

1. Create TNS entries for Agile PLM source on each node in the cluster.

Note	ETL will fail if the TNS entries are not created.

2. Install Agile PLM Data Mart in any of the nodes in the cluster environment by following the installation procedure provided in the *Agile PLM Data Mart Setup Guide*.

Post Installation Steps

After you install Agile PLM Data Mart on RAC, perform the following steps:

1. Launch the ODI Operator.

Note	Agile PLM Data Mart can be installed on any of the nodes in the cluster.

2. Replace the URL in the Work Repository Connection window with the corresponding details of the two nodes. The URL is displayed in the following format:

   `Jdbc:oracle:thin:@<host>:port:sid`

   To replace the URL, see the example below:

   Jdbc:oracle:thin:@(DESCRIPTION=(LOAD_BALANCE=on)
   (ADDRESS=(PROTOCOL=TCP) (HOST=<NODE # 1 HOSTNAME> (PORT=1521))
   (ADDRESS=(PROTOCOL=TCP)(HOST=<NODE # 2 HOSTNAME> (PORT=1521))
   (CONNECT_DATA=(SERVICE_NAME=<SID NAME>)))

Note	For more information on setting up ODI Users, refer to the "Setting up ODI Users" section in the *Agile PLM Data Mart Setup Guide*.

3. Launch the **Topology Manager** and update the target JDBC database configuration for Staging. Please refer to the example provided in *Step 2*.

Note	For more information, see ODI documentation or contact Oracle Support.

Chapter 3

Resolved Issues

This service pack release contains cumulative fixes from Agile PLM Data Mart Patch 3.2.0.1.1 to the Agile PLM Data Mart 3.2.0.1.7 release.

Chapter 4

Related Documentation

The following documents in the Agile documentation http://www.oracle.com/technology/documentation/agile.html page on Oracle Technology Network http://www.oracle.com/technology/index.html, provides detailed information on the Agile PLM Data Mart 3.2 application:

- *Agile PLM Data Mart Setup Guide*
- *Agile PLM Data Mart Data Reference Manual*

We suggest you refer to the documentation of the following products from Oracle Technology Network http://www.oracle.com/technology/index.html as they closely associate to the Agile PLM Data Mart 3.2 application:

- *Oracle Data Integrator*
- *Agile Product Lifecycle Management*