# Agile Product Lifecycle Management

## Agile PLM Data Mart - Readme

v3.0.0.0.1

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# Preface

The Oracle|Agile documentation set includes AdobeÂ® Acrobatâ„¢ PDF files. The Oracle Technology Network (OTN) Web site http://www.oracle.com/technology/documentation/agile.html contains the latest versions of the Oracle|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 Oracle|Agile Documentation folder available on your network from which you can access the Oracle|Agile documentation (PDF) files.

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| Note | To read the PDF files, you must use the free Adobe Acrobat Readerâ„¢ version 7.0 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/technology/documentation/agile.html can be accessed through Help > Manuals in both the Agile Web Client and the Agile Java Client. If you need additional assistance or information, please contact support http://www.oracle.com/agile/support.html (http://www.oracle.com/agile/support.html) for assistance.

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

## TTY Access to Oracle Support Services

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## Readme

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

# Chapter 1

# Patch Installation

Extract the <filename.zip> file in a temporary directory on your hard drive.

Ensure that

- You start the Database listener in Services.
- ODI objects such as Project, Model folders, packages, procedures and Interfaces are not in 'Lock' mode.

The PLM Data Mart 3.0.0.0.1 patch installer reads the following properties from the existing DataMartConfig.properties file:

- Oracle home
- ODI_Home
- ODM User Name and Password
- Database SID
- Database Port Number
- Database hostname
- Database system user password
- Database sys User Password
- Master Repository Schema Username and password
- Work Repository Schema User Name and Password
- ODI Work Repository Name.
- ODM Index tablespace name

The 'DataMartConfig_HF1.properties' file stores these properties. Modify this file if there are modifications to the existing properties. The ANT scripts that facilitate installation use 'DataMartConfig_hf1.properties' file.

The installer usage options for PLM Data Mart 3.0 and PLM Data Mart 3.0.0.0.1 installers are as follows:

| PLM Data Mart 3.0 | PLM Data Mart 3.0.0.0.1 |
|---|---|
| DM1<br>PLM Data Mart Schema Creation<br>a) New Database Creation<br>b) Using Existing DB and table spaces<br>c) Generate SQL Scripts | DMP1<br>PLM Data Mart schema Update |
| DM2<br>PLM Data Mart ETL Components | DMP2<br>PLM Data Mart ETL Update |
| DM3<br>PLM Data Mart Schema and ETL in same Environment<br>a) New Database Creation<br>b) Using Existing DB and table spaces | DMP3<br>PLM Data Mart Schema and ETL in same Environment |

During the installation of PLM Data Mart 3.0.0.0.1, the following combinations are valid:

- DM1 and DMP1
- DM2 and DMP2
- DM3 and DMP3
- DM3 and DMP1
- DM3 and DMP2

# Post Installation Guidelines

Add TNSNAME entry in the target DB which points to the source DB, before you run the ETL.

If the DB SID name of the source and target DB are different (Example: Source SID = AGILE9 and Target SID = PLMDM), then modify the TNS entry as follows:

```
AGILE9 =
        (DESCRIPTION =
         (ADDRESS_LIST =
          (ADDRESS = (PROTOCOL = TCP)(HOST = LAB1)(PORT = 1521))
         )
          (CONNECT_DATA =
```

```
    (SERVICE_NAME = AGILE9)
    )
  )
```

If the DB SID name of the source and target DB are the same (Example: Source SID = AGILE9 and Target SID = AGILE9)

**Step 1:**

Modify the TNS entry as follows:

```
AGILE9_LAB1 =
    (DESCRIPTION =
     (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST = LAB1)(PORT = 1521))
     )
      (CONNECT_DATA =
      (SERVICE_NAME = AGILE9)
      )
    )
```

**Step 2:**

Start > Oracle > Oracle Data Integrator > Topology Manager > Physical Connections>Technologies>Oracle>SRC_CONN_PHYSICAL.

**Step 3:**

Replace the added TNSNAME (AGILE9_LAB1) in the DB link column.

| Note | This step enables you to eliminate DBLINK errors. |
|---|---|

Oracle Data Integrator sessions undergo time-out during few instances of connection to Master and Work Repositories. Connections to Data Server also may result in session time-out.

**Solution:**

Increase the ODI ‘Timeout’ parameter to 180 seconds to avoid this issue.

**To increase the ODI ‘Timeout’ parameter**:

1. Click Oracle Data Integrator > Designer > File > User parameters.
2. Modify the value of ‘Timeout’ parameter to 180. The default value is 30 seconds.

# Chapter 2

# Resolved Issues

### *1. agile00264970*

Issue: Incremental changes not populated for NOTIFICATION table in 9222 PLM and 9223 PLM versions.

### *2. agile00264687*

Issue: Currency code data for Agile PLM Flexible Money attributes are missing in P4 tables in Data Mart schema. The P4 tables are created only if the Meta flex tasks are enabled. It happens when P4 tables are enabled (these are tables that hold flex attribute information and are created one per class).

### *3. agile00264354*

Issue: When P4 tables are enabled, the multi-list map tables are not getting created for P4 multi-list attributes.

### *4. agile00264637*

Issue: Deleted List Entry values also populate in List dimension tables.

### *5. agile00264785*

Issue: In ODM_DATA_DICTIONARY table, Map & Dimension table mapping information is not populated for some Multi-List attributes.

### *6. agile00264869*

Issue: News Type List in PLM does not have corresponding Dimension table in Data Mart

### *7. agile00264962*

Issue: Map tables are not created for Multilist16 attribute for Item sites and Multilist02 attribute for Manufacturer Parts.

### *8. agile00264945*

Issue: Attribute names are not populating in ODM_ATTR_METADATA table.

### *9. agile00265123*

Issue: Flex attribute data for all objects is not pivoted into class-specific tables, when Metaflex fields are disabled by default.

### *10. agile00264616*

Issue: 10 character limitation for Source & Target DB in the schema name. The only special character allowed is underscore "_".

### *11. agile00264943*

Issue: The cross-tab multi-list attributes do not have map tables. They are brought into the table as comma separated values.

### *12. agile00265163*

Issue: The cascade lists are transformed to provide the parent child relationship but there is no attribute that identifies the leaf node.

# Chapter 3

# Known Issues

***7284935***

DM_LINK is failing when connecting from Oracle 9i machine with 10g source DB.

**Probable cause**

Execution of Data Mart ETL (DBLINK task) is not successful probably because the source DB and target DB are in different domains.

**Workarounds**

**Step1**:

Modify the SID.HOSTNAME in the TNSNAME entry to reflect the domain name.

Example:

```
AGILE9.ALAB01 =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST =  alab01)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = agile9)
    )
  )
```

Where AGILE9 is the domain and ALAB01 is the DB name.

**Step 2:**

Start > Oracle > Oracle Data Integrator > Topology Manager > Physical Connections>Technologies>Oracle>SRC_CONN_PHYSICAL.

**Step 3:**

Replace the added TNSNAME (AGILE9.ALAB01) in the DB link column.

| Note | This step enables you to eliminate DBLINK errors. |
|---|---|

**To verify DBLINK**:

Execute the scenario ODI_INT_CREATE_DBLINK from ODI operator in ODI.

If the scenario fails, the following message appears:

```
Link AGILE9.ALAB01 error: ORA-12638: Credential retrieval failed
```

**Workaround**:

1. Navigate to %oracle_home%\network\admin directory.
2. Modify the value of SQLNET.AUTHENTICATION_SERVICES in sqlnet.ora file as follows:
   - Original Entry - SQLNET.AUTHENTICATION_SERVICES= (NTS)
   - Modified Entry - SQLNET.AUTHENTICATION_SERVICES= (NONE)
3. Restart the database.
4. Re-execute the scenario ODI_INT_CREATE_DBLINK from ODI operator in ODI.