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Automated Upgrade Tool

AUT Release Notes

v1.7.2

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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) <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) <http://www.adobe.com>.

The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technetwork/documentation/agile-085940.html) <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) <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) 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.

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Agile PLM Automated Upgrade Tool

This chapter includes the following:

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▪ Notes on Agile Advantage (AA) Upgrade	5
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The Automated Upgrade Tool (AUT) upgrades your Agile PLM database using the inputs you provide in a property file. It completes the upgrade using your existing database as the source database, and the newly created database as the destination database. For detailed information on the upgrade process using the AUT, refer to the *Agile PLM Database Upgrade Guide*.

Downloading the Software

The Automated Upgrade Tool is distributed with each Agile major release and subsequent service pack releases. The software can be downloaded from Oracle E-Delivery, or My Oracle Support.

To download the software from [Oracle E-Delivery](http://edelivery.oracle.com) (<http://edelivery.oracle.com>):

1. On the Oracle E-Delivery Welcome page, choose your language and click **Continue**.
2. Enter required information on the Export Validation screen and click **Continue**.
3. On the Search screen, select **Oracle Agile Applications** in the **Select a Product Pack** drop-down list box. Select a platform value. Click **Go**.
4. Links to applicable Agile release downloads display. Select the appropriate link. Click **Continue**.
5. The Download screen displays release parts that can be downloaded, including customer guides. Click **Download** for the appropriate media pack.
6. Extract the contents of the media pack. The Agile PLM Database Installer is included with the Agile PLM software.
7. To download the database installer, navigate to the **DB_Installer** folder. DB installers for all platforms are made available within the **DB_Installer** folder, regardless of the operating system on which you have chosen to install Agile PLM.
8. To download the AUT software, navigate to the **AUT** folder within the **Deployment_Tools** folder. From the AUT folder, extract the contents of the **AUT.zip** file to your destination database server. After the AUT is extracted, all of the files are located in an AUT directory on the local drive. In this document, this directory is referred to as the **AUT_HOME**.

To download only the AUT software from [My Oracle Support](https://support.oracle.com) (<https://support.oracle.com>):

1. Log in to My Oracle Support.
2. Under **Patches & Updates**, click **Product or Family (Advanced Search)**.
 1. Select the **Include all products in a family** checkbox.
 2. Enter the following search parameters:
 - **Product** : Oracle Agile Applications
 - **Release** : Agile PLM Tools 9
 - **Platform**: Select the appropriate platform, for example, Microsoft Windows (32-bit).
 3. Click **Search**.
 4. Links to Averify and AUT are displayed in the search results.
 5. Select the Patch ID and click **Download**.
3. From the Patchset zip file, extract the contents of the AUT.zip file to your destination database server. After the AUT is extracted, all of the files are located in an AUT directory on the local drive. In this document, this directory is referred to as the AUT_HOME.

Maintenance and Updates

Before you upgrade your database, you should always make sure you are using the latest version of the AUT. Changes to scripts such as Averify may occur after the initial version has been released. To ensure your database is correctly upgraded, always check the [My Oracle Support](https://support.oracle.com) (<https://support.oracle.com>) web site for updates.

What's New

This release of the Automated Upgrade Tool introduces additional upgrade paths and enhancements.

Upgrade of your Agile PLM database to version 9.3.0.3, 9.3.1 or 9.3.1.1 is supported from any of the earlier versions listed below.

- Agile 9.3.0.2
- Agile 9.3.0.1
- Agile 9.3
- Agile 9.2.2.7
- Agile 9.2.2.6
- Agile 9.2.2.5
- Agile 9.2.2.4
- Agile 9.2.2.3

- Agile 9.2.2.2
- Agile 9.2.2.1
- Agile 9.2.2
- Agile 9.2.1.6
- Agile 9.2.1.5
- Agile 9.2.1.4
- Agile 9.2.1.3
- Agile 9.2.1.1
- Agile 9.2.1
- Agile 9.2.0.2
- Agile 9.2.0.1
- Agile 9.2
- Agile 9.1 SP1-SP4
- Agile 9.0 SP1-SP7
- Program Execution 8.5 SP2
- Product Service and Improvement 8.5 SP1-SP7
- Product Cost Management 8.5 SP1
- Product Collaboration 8.5 SP1-SP7

Note Agile 9.3.0.3 and 9.3.1.1 are Service Pack installers. Before installing 9.3.0.3, you must have 9.3 installed; before installing 9.3.1.1, you must have 9.3.1 installed.

Merged Hotfixes

Upgrade is supported from any of the hotfixes merged to 9.3.1.1, listed below.

- 9225HF63
- 9225HF64
- 9301HF40
- 9301HF46
- 9302HF41

Upgrade is also supported from any of the hotfixes merged to 9.3.0.3, listed below.

- 9225HF63
- 9225HF64

- 93HF13
- 9301HF40
- 9301HF46
- 9301HF59
- 9302HF41
- 9302HF68
- 9302HF72

Supported Agile Advantage Upgrade Paths

Upgrade of your Agile Advantage (AA) database to version 9.3.1.1 is supported from the following version only:

- AA 2005
- AA 2006

Supported Recipe & Material Workspace Upgrade Paths

Upgrade of your Recipe & Material Workspace (RMW) database to version 9.3.1.1 is supported from Agile 9.3.1 version only.

Resolved Issues

The list of service requests (SRs) resolved in this release is provided here for your reference.

SR: 3-3523201591

- **Issue:** AA 2006 to 9.3.1.0 upgrade leaves processed column in ITEM_HISTORY table
The ORACLE_HOME key in the 85.xml file points to the source database when restoring PCM and PGC data, causing the upgrade to fail.
- **Resolution:** The ORACLE_HOME key is edited in the 85.xml file to point to the destination database.

SR: 3-3374635211

- **Issue:** Unable to create or update lists after upgrading to 9.3.1
When attempting to create a new list using the PLM JavaClient, errors occur in the Java console if a Project subclass already exists in the customer database, and the upgrade script checks for its existence. The error prevents creation of new lists after upgrading to 9.3.1, or upgrade from 9.2.2.4 to 9.3.1.
- **Resolution:** The upgrade script is edited to skip checks for Project subclasses.

SR: 3-2745321421

- **Issue:** Unable to create programs from templates which have successor/predecessor dependencies defined.

When PPM customers upgrade to Agile 9.3.1, and attempt to create a new program using such templates, an error occurs.

This is caused by a mismatch in values of start_date and end_date for a Gate class object in the PPM upgrade script.
- **Resolution:** The PPM upgrade script in AUT is edited to match the start_date and end_date values for a Gate class object.

Known Issues

The list of known issues as of this release is provided here for your reference, along with workarounds, if any.

Check Snap Material Views Utility Runs Twice

When you upgrade with SourceEqualsDestination parameter set to FALSE, the Check Snap Material Views Utility runs twice.

Markup Restrictions Not Retained on Upgrade

Markup restrictions that were enforced through privileges are not retained when you upgrade. With the new security model implemented in 9.2.2.2, **Markup** is a subclass under the **File Folders** class and all markup privileges are automatically enabled. To prevent users from viewing or modifying the existing markups, you must *disable* blanket privileges at File Folders class level in Java Client and *enable* Markup privilege for relevant users only.

Performance Issue - Delete SQL for Notification fields

The SQL script to clean up deleted notifications takes too long to run on very large databases.

AUT Throws Error if Destination Version is 9.2 or 9.2.x

If you select 9.2, 9.2.1 or 9.2.2 as the destination version for the upgrade, the database upgrades successfully but Averify may not run, and the log file may report the following error "Source database version and selected upgrade destination versions are same. Please change the dest.version in aut.properties file."

You can ignore the error as it does not affect the upgrade. Run Averify manually to check for other errors.

Notes on Agile Advantage (AA) Upgrade

Take note of the following when you upgrade to Agile PLM from Agile Advantage (AA) Releases:

- When you upgrade from any AA release or 8.x releases, obsolete privileges of the following types will not get migrated: Create PDX Package, FTS, Reports, Specify Output columns, and Agile Server Monitor.
- Organizations in AA will not be migrated as Suppliers in Agile 9.3, as AA has both Organization and Supplier objects. Organization Contacts will be migrated as inactive users without any Roles and Privileges associated. The Agile Administrator will need to assign Roles and Privileges manually.
- AA backup tables are not automatically removed during upgrade from AA. Customers must run the script CleanupBackuptables.sql available in <AUT_Home>\Scripts\Oracle\Utilities\Script_tools to clean up these tables.
- Full Text Search field properties are migrated as detailed in the table below. In Agile Java Client, the **Indexing** field value is set to 'Manual' by default. If you want it be 'Scheduled', the administrator must edit the **Recurrence** field properties appropriately.

AA Field Name	AA Field Value	A9 Field Name	A9 Field Value
Enable Stem Search	Yes	Stem Searching	Enabled
Enable Stem Search	No	Stem Searching	Disabled
Indexed File Types	Comma-separated list	Index File Types	Comma-separated list
		Indexing	Manual

Notes on Variant Management Upgrade

In Agile PLM 9.3.1, the fields Relation Type and Configuration Graph were moved from the **Relationships** tab to the **Instances** tab. Customers who already have a Variant Management patch installed should take the following actions after upgrade to 9.3.1:

1. Call Oracle Consulting to migrate the user data from the Relationships tab to the Instances tab.
2. Once migration is successful, run the following SQL statements to remove the redundant data in the Relationships tab:

```
--Drop legacy data from the Relationships table:
```

```
Delete from RELATIONSHIP where relation_type = 1;
```

```
--Drop relation_type column
```

```
Alter table RELATIONSHIP drop COLUMN
```

```
"RELATION_TYPE";
```

```
--Drop configuration graph table

Alter table CONFIGURATION_GRAPH_DATA drop
constraint CONFIGURATION_GRAPH_DATA_FK;
Drop table CONFIGURATION_GRAPH_DATA;

--Update dot on Relationships tab if it is
empty now.
update ITEM set flags =
NVL(subStr(flags,1,29),'') || '0' ||
NVL(subStr(flags,31),'')
where id not in
( select distinct r.ctr_objid from relationship
r ) and NVL(subStr(flags,30,1),'') != '0';
```

3. Next, run the following SQL statements to remove unnecessary metadata:

```
--Delete Relation Type listname and corresponding entries

delete listentry where parentid=2000009331;
delete listname where id=2000009331;

--Delete Relation Type attribute

delete from nodetable where id=2000009332;
delete from propertytable where parentid=2000009332;
DELETE FROM APPLIEDTO WHERE attid in (2000009332);

--Remove Relation Type attribute from part's Relationships table

delete from nodetable where id=2000009333;
delete from propertytable where parentid=2000009333;

--Delete configuration graph attribute

delete from nodetable where id=2000009334;
delete from propertytable where parentid=2000009334;
DELETE FROM APPLIEDTO WHERE attid in (2000009334);
DELETE FROM TABLEINFO WHERE att in (2000009332, 2000009334);

--Remove configuration graph attribute from the part's Relationships
```

table

```
delete from nodetable where id=2000009467;  
delete from propertytable where parentid=2000009467;
```