



# **Automated Upgrade Tool**

**AUT Release Notes**

**v1.7.1**

**Part No. E18611-01**

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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.

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**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>.

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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.

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**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.

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## 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](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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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.

## Supported Agile PLM Upgrade Paths

Upgrade of your Agile PLM database to version 9.3.1.1 is supported from any of the earlier versions listed below:

- Agile 9.3.1
- 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

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**Note** Agile 9.3.1.1 is a Service Pack installer. You must have Agile 9.3.1 installed prior to installing 9.3.1.1.

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## Merged Hotfixes

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

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

## 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 3-1505222901, SR 3-1925031031

- **Issue: Preset Default Values Missing After Upgrade.**  
Default values set for multi-list attributes reported missing from the UI after upgrade. This is because the default values are stored in the property table instead of the *adminmsatt* table in the upgraded database.
- **Resolution:** Preset data values for multi-list attributes are now moved from property table to *adminmsatt* table during upgrade and the data values display correctly in the UI.

### SR 3-2097255641, SR 3-2143245731, SR 3-2196215621

- **Issue: Import Fails After Upgrade to A9302.**  
Some duplicate IDs get inserted into the *listentry* table during the upgrade.
- **Resolution:** These entries are now deleted in the AA database property table during upgrade.

### SR 3-2553356501

- **Issue: Change Analyst Searches Folder Appears Empty.**  
Searches found missing from the Change Analyst Searches folder in Java Client and Web Client because AUT does not update the QUERY and CRITERIA tables after the IDs change in *nodetable*.
- **Resolution:** AUT now updates the QUERY and CRITERIA tables and the Searches display correctly.

## SR 3-2051251831

- **Issue: Attachments In AA Do Not Get Migrated Properly During Upgrade.**  
The fix script for Bug 9404801 (0 Version File Folders Not Accessible) increased all versions in migrated file folders, but the link to the file attachments was lost.
- **Resolution:** AUT now updates the version and the *attachment\_map* table to ensure attachments are migrated properly.

## SR 3-1171521451, SR 3-1925922411

- **Issue: Signoff Duration Field Not Populated.**  
The **Signoff Duration** field in 9.3 is not populated on Changes that were in sign-off (Review status) before database upgrade.
- **Resolution:** Some data was missing in the *workflow\_process* table, and a script has been added to recover the missing data.

## SR 3-2262246521, SR 3-2411588581

- **Issue: Running any Admin report results in an error.**  
This issue was caused due to bad data in the AA database.
- **Resolution:** The bad data is now cleared during the upgrade.

## SR 3-2365953561

- **Issue: Export Of Changes To PDX Does Not Work**  
After upgrading from AA06 SP2 MP2, export of changes to PDX does not work if the History tab is included. This issue was caused by bad data in the AA database.
- **Resolution:** The bad data is now cleared during the upgrade.

## SR 3-2219532431

- **Issue: Search (Item & Bom) Does Not Return Suppliers**  
On Agile 9.3.0.1, Search (Item & BOM) does not return suppliers that existed before upgrade, only suppliers created after upgrade.
- **Resolution:** A script fix has been provided for this specific issue, and a related test case has been added into *oracle\_averify\_2006.sql*.

## SR 3-2159065181

- **Issue:** AUT Does Not Support Upgrade from 9226HF19.
- **Resolution:** The upgrade path from 9226HF19 has been added to AUT 1.7.1.

## SR 3-2132763081

- **Issue:** ITEM\_GROUP Column Found Missing In View ITEM\_P2P3\_QUERY.  
After upgrading from 9.3 using AUT 1.6.3, the ITEM\_GROUP column was found missing in the view ITEM\_P2P3\_QUERY, in both 9.3.0.1 and 9.3.0.2 databases. The ITEM\_P2P3\_QUERY.ITEM\_GROUP column exists in 9.3.0.0 databases. As a result, advanced searches on the Item Group(s) attribute cause the following error: "Java.sql.SQLException: ORA-00904: "ITEM\_P2P3\_QUERY"."ITEM\_GROUP": invalid identifier".
- **Resolution:** The view has been replaced using the corrected script.

## SR 3-2306643401

- **Issue:** Suppliers Defined in Java Client Are Not Migrated from AA To A 931.  
This issue was caused because the length of some values was greater than the length defined in the script in the database property table.
- **Resolution:** The length of parameters defined in the script has been changed to fix this issue.

## 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=20000009333;
delete from propertytable where parentid=20000009333;

--Delete configuration graph attribute

delete from nodetable where id=20000009334;
delete from propertytable where parentid=20000009334;
DELETE FROM APPLIEDTO WHERE attid in (20000009334);
DELETE FROM TABLEINFO WHERE att in (20000009332, 20000009334);

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

delete from nodetable where id=20000009467;
delete from propertytable where parentid=20000009467;
```