



Agile Product Lifecycle Management

MCAD Connectors for Oracle Agile Engineering Collaboration Release Notes

V3.1.0.0

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Preface

Access to Oracle Support Services

For Oracle Agile Engineering Collaboration support contact the Oracle Global Customer Support (GCS) via <http://www.oracle.com/support> or My Oracle Support via <https://support.oracle.com>.

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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MCAD ADAPTERS VERSION 3.1.0.0

RELEASE NOTES

December 21, 2012

Important Notice

This release contains fixes and changes to

- Web Componentes
- Pro/E and Creo binaries
- CATIA V5 binaries
- Solid Edge binaries
- Solid Works binaries

Architectural Change

Engineering Collaboration Services

This release requires the Engineering Collaboration Webservices installed on the Agile PLM Server. The required web services are provided by Oracle as part of the standard Agile PLM installation, but might require an update through a hotfix.

Please check the "Oracle Agile Product Lifecycle Management - MCAD Connector Quick Install Guide" on the Oracle Software Delivery Cloud (<http://edelivery.oracle.com/>) if a hotfix is needed for your version of Oracle Agile PLM and follow the installation instructions of the required PLM hotfix.

Optimized PLM data retrieval during a save process

This release introduces a so called "lazy load" feature. Only the data of modified files is retrieved from the PLM server in order to detect concurrent conflicts and improve performance especially on big assemblies. The feature is enabled in the CAXConfig.xml. Please refer to the Admin Guide how to enable and disable the feature.

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Solved Bugs

Solid Edge binaries

Assemblies used as Part Copy source (14080872)

Assemblies that were used as the source of a Part Copy feature in Solid Edge now display their structure in all dialogs of the EC.

Broken References (14260114)

External References between Solid Edge components (e. g. in Part Families) are now properly updated if the *Rename on Load* feature of the EC is used.

Revision Manager causes Error Message (14048012)

Closing the Revision Manager while the EC was active and a model was loaded in Solid Edge caused the EC to display an error message as soon as the user attempted saving to PLM. This issue is at least partly fixed. It seems that **sometimes the error still appears**. Appearance of the error seems to be related to the save prompt of the Revision Manager. Whenever the Revision Manager prompts the user to save changes made to a model, the Revision Manager should not be closed to avoid this issue.

Alternate Position Assemblies (13998094)

Members of Alternate Position Assemblies are not displayed any more, neither by the EC's Save or Load preview windows nor by the Workspace Manager. Alternate Position Assemblies can be used to save different positions of the children of an assembly. However, it is not possible to save differences in geometry or quantity in an Alternate Position Assembly. Due to this it is possible to skip configuration resolution for these assemblies and treat them as if they had no configurations at all.

Message Boxes during Viewable Generation (13996366, 13924817)

In certain situations Solid Edge prompted the user to open files while the EC generated viewable files during the save process. These prompts are now suppressed.

Adjustable Parts (13696965)

In certain situations the Workspace Manager displayed assemblies that contained adjustable parts as locally modified though they were never changed by the user. This error was corrected.

BOM of Alternate Assembly Members

The mechanisms that transfer data that are used to create Bills of Material in Agile have been changed. Members of Alternate Assemblies that have never been used in another assembly are transferred to Agile as well. As they have a BOM quantity of 0 (zero) assigned they are not visible to the user directly, however, they are known to Agile.

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BOM quantities and duplicate BOM entries (14705545)

Issues with wrong quantities and duplicate entries in the BOM are solved.

CFG files attached to wrong Design objects

Issues with wrong assignment to Drawing objects is solved.

Append Revision to Viewable Names (13951631)

Issues with wrong assignment to Drawing objects is solved.

Message Window Save Successful

The message window that appears after a successful save process has been removed.

Solid Works binaries

Problems with configuration detection

Changes of the active configuration in Solid Works are now detected by EC without the necessity to save the Part or Assembly file locally after the configuration change. The Save preview should now display the correct active configuration in the tree view.

Update Property functions for drawing children

The additional function button have been added to the Drawing specific Agile menu that enable the user to update properties of CAD models that are used in a drawing. The button “Update Titlebox (first level)” updates the title box of the drawing that is active in Solid Works and the properties of all direct children of the drawing. The button “Update Titlebox (all)” updates the title box of the drawing and the file properties of all its children.

Update Property function on write protected files

The error handling that is used to treat read-only files during the update of file properties was rewritten to achieve higher robustness. Update property functions should now be able to treat assemblies that contain read-only elements without canceling the update process.

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Part-Part relationships

When a part-part relationship was created in SolidWorks sometimes the AgileID of the target part was overwritten by the AgileID of the source part. This happened, when a certain parameter was activated in SolidWorks that transfers file properties from one part to another. When the save process of the EC had been started after such an operation the AgileID that is displayed in the Save preview contained an invalid value. This problem was fixed by overwriting the invalid AgileID of the target part with valid information from the EC's cache.

Updated Configuration handling

A number of additional options have been added to the configuration handling mechanism of the SolidWorks connector. In addition to the existing general option ConfiguredDefault that allows the user to decide whether or not configurations should be displayed as document structures in PLM the following functionality was added:

ConfiguredProperty and ConfiguredProperty2 define the name of two file properties that can be used to overwrite the setting of the option ConfiguredDefault. In addition the values that express if the two properties are activated or not can be defined as well using the options Configured_PropertyConfigured and Configured_PropertyNotConfigured. In case that a CAD file contains both of the properties, ConfiguredProperty2 overwrites ConfiguredProperty. Please refer to the Admin Guide for details.

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CATIA and Pro/E binaries

Load and Change Workspace Issues on Windows 7 with Load Callback

This release addresses issues with the Load Callback (InvokeCallback.exe) found on Windows 7 SP1 for CATIA V5 and Creo 1.0/2.0.

Crash on field values exceeding maximum size in CAD (14172529, 14372082, 13796599)

This release solves issues with large field values (agl.dll) that can cause the CAD system to crash during a save process.

Crash on 64bit machines with physical multi core kernels in CAD (14172529, 14372082, 13796599)

This release solves issues with multicore machines (tcl83.dll) that can cause the CAD system to crash.

CATIA binaries don't startup (14477241)

This release solves issues with startup of CATIA binaries on 32 bit.

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Web Components

Create Dialog – type change appends to filename (13893663)

This release solves issues with appending the template extension multiple times on change of the template type.

Assign Change – caused double count in BOM (14705545)

This release solves issues with appending duplicate BOM rows after change assignment.

Assign Item Checkbox – Assign Item Checkbox in details view doesn't unassign if unchecked (14373657)

Label adjusted to reflect the HelperPart functionality that toggles an Design attribute only.

Subclass Mapping from CAD (14696716)

The mapping editor supports new options CLASS_PREFIX to map the desired target class for Items or Designs from CAD properties or defaults.

Search Items by Number shouldn't search description (13734294)

Search Items should search by Number only if number without wildcard is given. Description should be ignored.

Configurable Search URL (13849083)

A new switch is introduced in the CAXConfig.xml to make the default search URL configurable. Please refer to the Admin Guide for configuration details.

Disable the Zip and Upload Workspace feature (12944058)

A new switch is introduced in the CAXConfig.xml to control the menu item visibility. Please refer to the Admin Guide for configuration details.

Change/ECO affected when switching Views in Save preview affects

Issues where views had influence on transferred Change and Revision data is solved.

Viewable filename Revisions aren't matching the item revisions (13951631, 14036991)

Design Revisions and Change information is synchronized with the Item Revision. Drawing Revisions are synchronized with the Model Revision.

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Item property mapping fails with blanks in class names (13916104)

The connector is using class id's and API names to support blanks in class names.

Item Numbering for Configurations

The connector supports a new switch for a dash number for Items of part family members or configurations. Please refer to the Admin Guide for configuration details.