

The Oracle logo, consisting of the word "ORACLE" in a bold, red, sans-serif font, is centered within a thin black rectangular border.

Agile Product Lifecycle Management

MCAD Connectors Readme

v2.5

Part No. E13336-01

October 2008

Copyright and Trademarks

Copyright © 1995, 2008, 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 is a registered trademark 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.

CONTENTS

Copyright and Trademarks.....	ii
Introduction.....	1
What's New?	3
Design Object.....	3
Create Item/BOM enhancements.....	4
Support for Agile Viewer (AutoVue)	4
Direct DFM access option for faster File Operations	4
Miscellaneous Usability Enhancements.....	4
SolidWorks and Solid Edge Connector Installation Changes	5
Java JRE Bundled.....	5
Known Issues.....	7
Resolved Issues	9

Preface

The Agile PLM documentation set includes Adobe® Acrobat PDF files. The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) <http://www.oracle.com/technology/documentation/agile.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 7.0 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/technology/documentation/agile.html) <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> (<http://www.oracle.com/agile/support.html>) for assistance.

Note Before calling Agile 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/technology/documentation/agile.html) <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) 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.

Accessibility of Links to External Web Sites in Documentation

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.

Introduction

With the MCAD 2.5 release the EC Client supports the new Design data model developed in Agile PLM 9.2.2.4. This release also features enhancements and updates in both the EC Client and MCAD Connectors outlined in the What's New section of this Readme.

For detailed information on these enhancements and improvements please refer the following documents available on the [Oracle Technology Network](http://www.oracle.com/technology/documentation/agile.html) Website:
<http://www.oracle.com/technology/documentation/agile.html>

- *MCAD Connectors for Agile Engineering Collaboration User Guide.*
- *Agile Engineering Collaboration Client User Guide.*

What's New?

The MCAD 2.5 release comprises the following new features:

- Support for the new Design object in 9.2.2.4.
- Improved Create Item/BOM command.
- Support for Agile Viewer (AutoVue).
- Option for direct DFM access for faster file operations.
- Miscellaneous usability enhancements.
- SolidWorks and Solid Edge Connector installation changes
- JRE bundled

Design Object

A new object class called the Design object was introduced in the Agile 9.2.2.4 release. The Design object is a File Folder object that has a structure tab, and was introduced to manage structured CAD data, superseding the existing Document (or "DocuBOM") method. Support to the Document method continues. The table below lists current version options.

Agile Release	Available data models
Agile 9.2.1 to 9.2.2.3	Document
Agile 9.2.2.4 and later	Document or Design

For more information on system and version support, see the section, 'System and Version Support' in the Engineering Collaboration Client User guide.

Note that the desired data model must be selected for an entire site; running both data models in parallel is not supported. There is no automated process to migrate existing EC Document data to the Design object, so existing customers are expected to stay on the Document data model with this release.

Streamlined Change Process

A specifically developed Design object streamlines the change process for CAD design. Instead of using a separate Change object, the Design object uses a built in Routing Slip for approval. The MCAD 2.5 Connectors have a built in automation, which allows users to assign approvers and observers to Routing Slips, based on a set of "Label Types" which are analogous to Change types. Approval of the Routing Slip also triggers the two-level Revision code based on your process rules.

Support for all EC functions

Updates in the EC functions, including Save, Load, Manage Change, and Create Item/BOM support the new Design object. Some dialog columns and options are different due to differences in the data model compared to Documents. When using Documents as the data model, the dialogs still work as

in previous releases, with the enhancements mentioned below.

Simplified Administration

Less administrative work required as the Design object was developed with ECAD connectors in mind. For example, all required Page Two attributes of the Design object are available out of the box. In addition, the EC Client also has 'Design Engineer' role that has privileges to access Design objects.

Create Item/BOM enhancements

There are significant enhancements to the Create Item/BOM command, used to publish Part BOM structures using either the Document or Design data model.

The two main operations, Assign and Publish are now separate.

- Assign - Assigns a Part to the Document or Design.
- Publish - Publishes the structure.

You can now assign existing Parts or assign a Part to multiple Documents/Designs. Filtering out of "helper parts" is now possible directly from the dialog, in a common way across all CAD systems.

Support for Agile Viewer (AutoVue)

Access to the Agile Viewer is now directly from the EC Client. Clicking on the View button of any Document or Design form brings up the CAD model in the Viewer.

Direct DFM access option for faster File Operations

A new configuration option for direct DFM access provides performance improvement for file transport in a distributed WAN environment. Keeping files in the local site vault, you can now copy files within the local LAN instead of transferring them to the server over a WAN connection. An additional benefit is that the EC Client gets control over the file transfer timeouts.

The DFM is enabled by default. To disable DFM, enter 0 as the value in the .xml file and

Miscellaneous Usability Enhancements

The following miscellaneous usability enhancements are included in the release:

- Support for \$USER – In the Save Preferences dialog it is now possible to set \$USER for any user list attribute, which fills in the users name during Save operation.
- Save option enhancements – The Save dialog has been enhanced to clarify various save options (check in, keep in work, increment).
- Streamlined Context menus – Standardized context menus for the main dialogs streamlines execution of commands.

SolidWorks and Solid Edge Connector Installation Changes

- Improved registration scripts for SolidWorks and Solid Edge connectors.
- Re-structured directory structures to match other connectors.

Java JRE Bundled

To avoid compatibility issues with other JRE versions, bundle appropriate Java Runtime Environments with connectors.

Known Issues

- A standard attribute necessary for MCAD Connectors is the 'CAD Filename'. Since the normal Text attribute limitation of 50 characters is insufficient to hold the full path name of the original CAD file, you need to configure the CAD Filename, manually as a Multi Text attribute.
- In order that the Agile Viewer functions efficiently with the EC client, the user must log in with the fully qualified URL. For example, use "http://server.us.oracle.com:7777/Agile" instead of http://server:7777/Agile.
- The View operation uses Agile Viewer to view native CAD filetypes from the EC Client and uses the MIME-type application for other files. The definition of which files will open with Agile Viewer is currently not configurable.
- It is currently not possible to open the Agile Viewer with mark-up enabled from EC Client.
- The default mode for determining assembly structure in the SolidWorks connector does not return quantity values, and hence, the quantity attribute is not set in the DocuBOM or Design structure. However, this does not affect the ability to manage the SolidWorks data, and quantities are set properly on the published Part BOM. A configuration option in the 3DCADMapping.ini.file, allows using the older method, which provides the quantity attribute in the DocuBOM or Design structure.
- The new direct DFM file access method is only supported when running the EC Client with JRE 1.5, which requires Agile 9.2.2.4 or later

Resolved Issues

Bug ID 7248070

Text in a Pro/E drawing loaded from Agile EC Client does not show in the Viewer.

Bug 7132970 ID

Special symbols do not display correctly in Pro/E drawings.

Bug ID 7332084

Multi-sheet Pro/E drawings are displayed with overlaid sheets.

