



Installation Guide

Version 3.5.0

Oracle Part Number: E73439-01



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EDAConnect-Dashboard Version: 3.5.0
April, 2016

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Preface

EDAConnect-Dashboard Installation Guide Overview

This manual provides step-by-step instructions for installing EDAConnect Dashboard. The manual is organized into the following chapters:

- **Chapter 1:** EDAConnect-Dashboard Overview — Provides an introductory overview of EDAConnect-Dashboard
- **Chapter 2:** EDAConnect Installation Requirements — Lists specific hardware and software requirements for EDAConnect installation.
- **Chapter 3:** EDAConnect Dashboard Installation — Provides installation instructions for EDAConnect.

Font Conventions

In this guide, the following font conventions are used:

- Links, buttons, menus, and icons that are clicked appear in **Bold Face Type**.
- Items to select in drop-down menus or navigation trees are **bold** with “→” between entries.
- Dialog box “field names” are in quotes.
- Window and field names are in Initial Capitals.
- Cross references to sections and other chapters appear as underlined text.
- Information to be provided or entered by the user appear in *<italicized text>* between angle brackets.
- References to other Perception Software documentation appear in *italicized text*.

Perception Software Technical Support

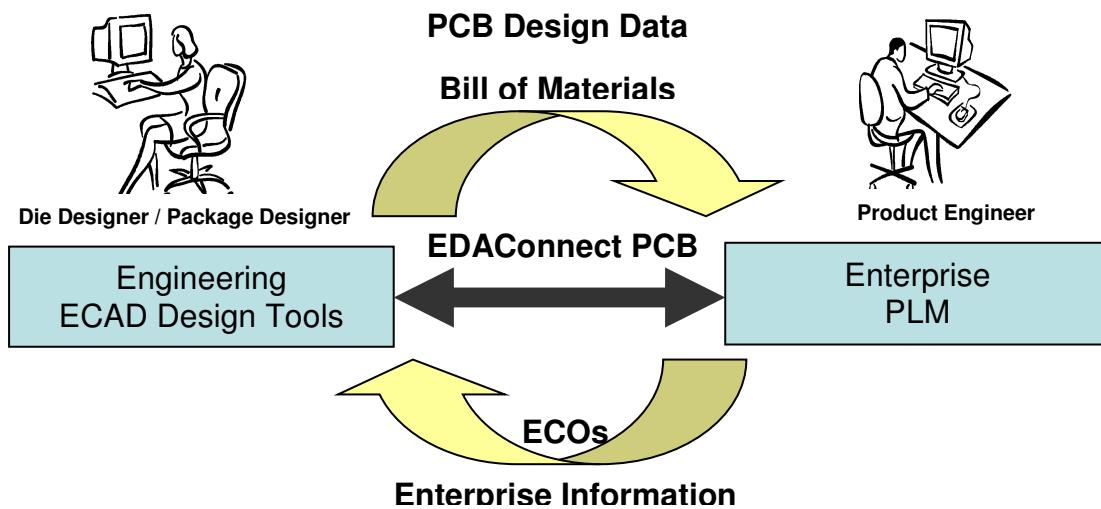
For EDAConnect PCB issues, please contact us via email at:

support@perceptionsoftware.com

EDAConnect Dashboard Overview

Introduction

EDAConnect-Dashboard is a desktop application that provides PCB design engineers with the capability to interact with PLM systems from within the ECAD design environment. EDAConnect-Dashboard provides engineers the ability to extract and publish PCB BOM data to PLM, accurately check-in and check-out design files, and to interact with critical PLM workflows such as Engineering Change Orders.



EDAConnect-Dashboard enables the designer to accomplish the following:

- Publish Schematic and PCB design files to PLM
- Get File Attachments from PLM
- Checkout Design Items for revision updates
- Create New Agile Parts
- Create and update Engineering Change Orders
- Perform site-specific process validation through event-based scripting

EDAConnect Installation Requirements

PLM Platform Requirements

Hardware Requirements

EDAConnect Agile is designed to support the Agile infrastructure. Additional hardware is not required to support EDAConnect. Please review the Agile Software “*Capacity Planning and Deployment Guide*” for more information.

PLM System Requirements

EDAConnect supports Agile 9.3.0, 9.3.1, 9.3.2, 9.3.3, 9.3.4, 9.3.5

EDA Platform Requirements

Hardware Requirements

The minimum hardware requirements for EDAConnect are:

- RAM: 512MB
- Free Disk: 100MB

Workstation OS Requirements

Windows XP, Windows 7
Solaris 10 (SPARC and X86)

Supported ECAD Tools

CAD Version	Microsoft Windows (32-bit)				Oracle Solaris on SPARC (32-bit)	Oracle Solaris on x86-64 (64-bit)
	Windows 2000	XP	Vista	7	Solaris 10	Solaris 10
Altium						
2009	✓	✓	✓	✓		
2010	✓	✓	✓	✓		
2013	✓	✓	✓	✓		
2014	✓	✓	✓	✓		
2015	✓	✓	✓	✓		
DxDesigner						
2005	✓	✓	✓	✓	✓	✓
9.3,9.4,9.5	✓	✓	✓	✓	✓	✓
OrCAD						
15.7	✓	✓	✓	✓		
16.3, 16.5,16.6	✓	✓	✓	✓		
Concept/HDL						
15.7	✓	✓	✓	✓	✓	✓
16.3, 16.5,16.6	✓	✓	✓	✓	✓	✓
DesignArchitect						
8.x	✓	✓	✓	✓	✓	✓
DesignCapture						
2005	✓	✓	✓	✓		
9.3,9.4,9.5	✓	✓	✓	✓		
PADS Logic						
2005	✓	✓	✓	✓		
9.3,9.4,9.5	✓	✓	✓	✓		

JRE Requirements

Each workstation that will utilize EDACConnect requires access to Java. For Agile versions 9.3.0 to 9.3.2 JRE version 1.6 is required. For Agile versions 9.3.3, 9.3.4 and 9.3.5 JRE version 1.7 is required. The media package contain zip files for both version and you should extract the zip appropriate to your Agile version.

NOTE: While other JRE versions MAY work with EDACConnect products, it is highly recommended that you utilize the embedded version since supplied

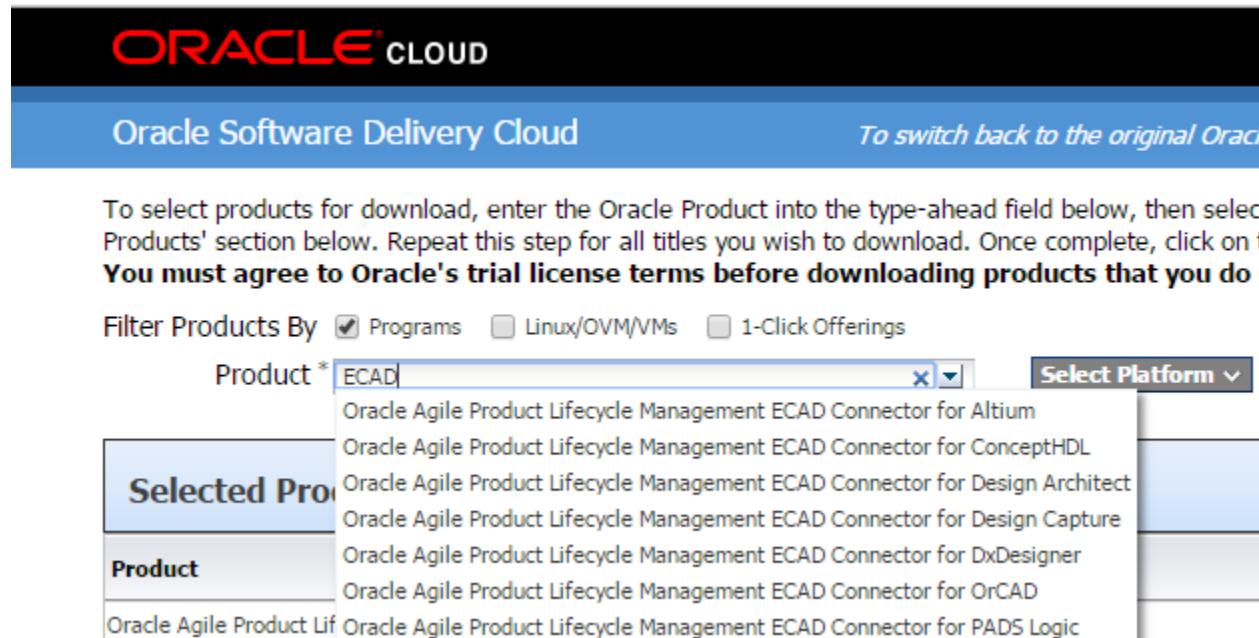
EDACConnect Dashboard Installation

EDACConnect Dashboard Generic Distribution

EDACConnect applications are desktop applications that are executed by individuals in the ECAD domain who are responsible for releasing ECAD project data to PLM. Since companies have multiple employees addressing this role, it is recommended that EDACConnect-Dashboard be installed in central location and accessible via a shared drive.

EDACConnect software is available from the Oracle Software Delivery Cloud.

You can enter the keyword ECAD or you EDA Tool name, e.g. Altium.



The screenshot shows the Oracle Software Delivery Cloud interface. At the top, there is a navigation bar with the 'ORACLE CLOUD' logo. Below it, a blue header bar displays the text 'Oracle Software Delivery Cloud' and a link 'To switch back to the original Oracle'. The main content area has a heading 'Selected Products' and a table with columns 'Product' and 'Description'. A search bar at the top of the table is populated with 'ECAD'. A dropdown menu labeled 'Select Platform' is visible. The table lists several ECAD connectors, including 'Oracle Agile Product Lifecycle Management ECAD Connector for Altium', 'Oracle Agile Product Lifecycle Management ECAD Connector for ConceptHDL', 'Oracle Agile Product Lifecycle Management ECAD Connector for Design Architect', 'Oracle Agile Product Lifecycle Management ECAD Connector for Design Capture', 'Oracle Agile Product Lifecycle Management ECAD Connector for DxDesigner', 'Oracle Agile Product Lifecycle Management ECAD Connector for OrCAD', and 'Oracle Agile Product Lifecycle Management ECAD Connector for PADS Logic'.

Product	Description
Oracle Agile Product Lifecycle Management ECAD Connector for Altium	
Oracle Agile Product Lifecycle Management ECAD Connector for ConceptHDL	
Oracle Agile Product Lifecycle Management ECAD Connector for Design Architect	
Oracle Agile Product Lifecycle Management ECAD Connector for Design Capture	
Oracle Agile Product Lifecycle Management ECAD Connector for DxDesigner	
Oracle Agile Product Lifecycle Management ECAD Connector for OrCAD	
Oracle Agile Product Lifecycle Management ECAD Connector for PADS Logic	

Select the appropriate Platform and you will be presented with your Products for download.

Click **Continue** to see the Available Releases for the ECAD Connector. Check all download files checkboxes and click **Continue**.

Once you have agreed to the license terms you will be presented with the File Download form. There will be one zip file with the ECAD specific files, e.g. ECAD Connector for Altium and one zip file containing the base installation, EDACConnect for ECAD Connectors, download all zip files.

► To assemble an installation folder for EDACConnect Dashboard

1. Create an installation folder for your EDACConnect Software, e.g. c:\Perception.
2. Extract the contents of the **EDACConnect for ECAD Connectors** zip file to your EDACConnect installation folder. This should create an EDACConnect-Dashboard folder (e.g. C:\Perception\EDACConnect-Dashboard)
3. Extract the contents of the **ECAD Connector for <ECAD Tool>** zip file to the EDACConnect-Dashboard folder.
4. Move the EDACConnect-Dashboard\Scripts and EDACConnect-Dashboard\Templates folder to your EDACConnect-Dashboard\configuration folder.
5. If you are using **Agile 9.3.3 or greater** extract the contents of EDACConnect-Dashboard\jre_zips\jre7u51.zip to your EDACConnect-Dashboard folder. After this is completed you can delete the EDACConnect-Dashboard\jre_zips folder.
6. If you are using **Agile 9.3.0, 9.3.1 or 9.3.2** extract the contents of EDACConnect-Dashboard\jre_zips\jre6u26.zip to your EDACConnect-Dashboard folder. After this is completed you can delete the EDACConnect-Dashboard\jre_zips folder.
7. If you are using **Agile 9.3.1 or greater** copy the EDACConnect-Dashboard\agileplm_plugin_jars\com.perception.drivers.plm.agile.agile-web_*.jar file to your EDACConnect-Dashboard\plugins folder. After this is completed you can delete the EDACConnect-Dashboard\agileplm_plugin_jars folder.
8. If you are using **Agile 9.3.x** copy the appropriate EDACConnect-Dashboard\agileplm_plugin_jars\com.perception.drivers.plm.agile*.jar file to your EDACConnect-Dashboard\plugins folder. After this is completed you can delete the EDACConnect-Dashboard\agileplm_plugin_jars folder
9. Extract the contents of the appropriate EDACConnect-Dashboard\os_zips*.zip file to the EDACConnect-Dashboard folder. After this is completed you can delete the EDACConnect-Dashboard\os_zips folder.

► Setup a user's system to execute EDACConnect Dashboard

1. Create a new environment variable, EDACONNECT_HOME, using Advanced tab of the Control Panel → System dialog. This variable should be set to the location of the EDACConnect-Dashboard folder.
2. Add this EDACONNECT_HOME variable to your PATH environment variable.

► **To add the EDACConnect menu to your Altium application**

1. Copy the EDACConnect.* files within your EDACConnect-Dashboard\Altium_ITC folder to the System folder within your Altium installation.

► **To add the EDACConnect menu to your OrCad (Allegro Capture) application**

1. Copy the EDACConnect*.dll file within your EDACConnect-Dashboard\Orcad_ITC folder to the folder: {your_orcad_installation_path}\tools\capture\vendor

► **To add the EDACConnect menu to your DxDesigner application**

1. Update your WDIR variable to include EDACConnect-Dashboard\DXDesigner_ITC.
2. The batch file, EDACConnect-Dashboard\DXDesigner_ITC\EDAC_register.bat, must be executed on each user's machine before first usage of EDACConnect connector, in order to register connector library in the system.

► **To test EDACConnect installation and PLM connectivity**

1. Launch the EDACConnect Dashboard:

```
<install folder>\EDACConnect-Dashboard\edaconnect.exe -d
```

2. Click on the **PLM Login** icon.
3. Supply the required login credentials.
4. Verify PLM login is successful.