



Installation Guide

Version 3.4.0

Oracle Part Number: E61759-02



**Perception Software Company Confidential
Copyright © 2015 Perception Software
All Rights Reserved**

This document contains information that is confidential and proprietary to Perception Software, Inc. This information is supplied for identification, maintenance, evaluation, engineering, and inspection purposes only, and shall not be duplicated or disclosed without prior written permission from an authorized representative of Perception Software. This document and any other confidential information shall not be released to any third party without a valid non-disclosure agreement signed by the third party and an authorized Perception Software representative. In accepting this document, the recipient agrees to make every reasonable effort to prevent the unauthorized use of this information.

EDAConnect-Dashboard Version: 3.4.0
March, 2015

Contents

Preface	5
EDACConnect-Dashboard Installation Guide Overview	5
Font Conventions	5
Perception Software Technical Support.....	5
EDACConnect Dashboard Overview	7
Introduction.....	7
EDACConnect Installation Requirements	8
<i>PLM Platform Requirements</i>	8
Hardware Requirements.....	8
PLM System Requirements	8
EDA Platform Requirements.....	8
Hardware Requirements.....	8
Workstation OS Requirements	8
Supported ECAD Tools	9
JRE Requirements	10
EDACConnect Dashboard Installation	10
EDACConnect Dashboard Generic Distribution	10
▶ To assemble an installation folder for EDACConnect Dashboard.....	11
▶ Setup a user's system to execute EDACConnect Dashboard	11
▶ To add the EDACConnect menu to your Altium application	12
▶ To add the EDACConnect menu to your OrCad (Allegro Capture) application	12
▶ To add the EDACConnect menu to your DxDesigner application.....	12
▶ To test EDACConnect installation and PLM connectivity.....	12

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

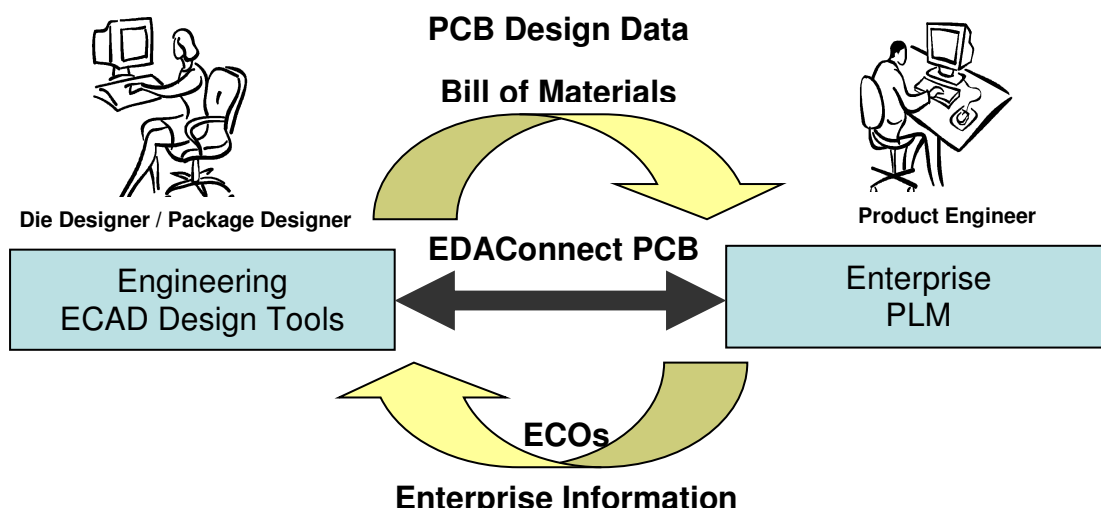
For EDAConnect PCB issues, please contact us via email at:

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 and 9.3.4.

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 EDAConnect 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 and 9.3.4 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 EDAConnect products, it is highly recommended that you utilize the embedded version since supplied

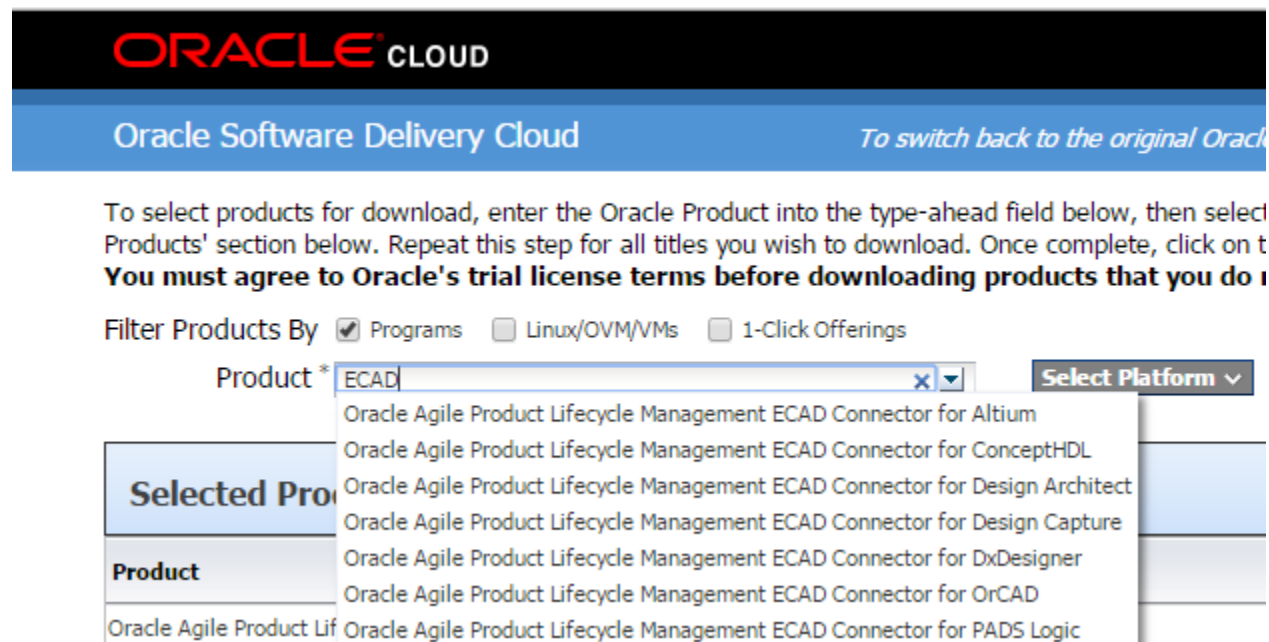
EDAConnect Dashboard Installation

EDAConnect Dashboard Generic Distribution

EDAConnect 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 EDAConnect-Dashboard be installed in central location and accessible via a shared drive.

EDAConnect software is available from the Oracle Software Delivery Cloud.

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



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, EDACONNECT for ECAD Connectors, download all zip files.

► **To assemble an installation folder for EDACONNECT Dashboard**

1. Create an installation folder for your EDACONNECT Software, e.g. c:\Perception.
2. Extract the contents of the **EDACONNECT for ECAD Connectors** zip file to your EDACONNECT installation folder. This should create an EDACONNECT-Dashboard folder (e.g. C:\Perception\EDACONNECT-Dashboard)
3. Extract the contents of the **ECAD Connector for <ECAD Tool>** zip file to the EDACONNECT-Dashboard folder.
4. Move the EDACONNECT-Dashboard\Scripts and EDACONNECT-Dashboard\Templates folder to your EDACONNECT-Dashboard\configuration folder.
5. If you are using **Agile 9.3.3 or 9.3.4** extract the contents of EDACONNECT-Dashboard\jre_zips\jre7u51.zip to your EDACONNECT-Dashboard folder. After this is completed you can delete the EDACONNECT-Dashboard\jre_zips folder.
6. If you are using **Agile 9.3.0, 9.3.1 or 9.3.2** extract the contents of EDACONNECT-Dashboard\jre_zips\jre6u26.zip to your EDACONNECT-Dashboard folder. After this is completed you can delete the EDACONNECT-Dashboard\jre_zips folder.
7. If you are using **Agile 9.3.1, 9.3.2, 9.3.3, or 9.3.4** copy the EDACONNECT-Dashboard\agileplm_plugin_jars\com.perception.drivers.plm.agile.agile-web_*.jar file to your EDACONNECT-Dashboard\plugins folder. After this is completed you can delete the EDACONNECT-Dashboard\agileplm_plugin_jars folder.
8. If you are using **Agile 9.3.x** copy the appropriate EDACONNECT-Dashboard\agileplm_plugin_jars\com.perception.drivers.plm.agile*.jar file to your EDACONNECT-Dashboard\plugins folder. After this is completed you can delete the EDACONNECT-Dashboard\agileplm_plugin_jars folder
9. Extract the contents of the appropriate EDACONNECT-Dashboard\os_zips*.zip file to the EDACONNECT-Dashboard folder. After this is completed you can delete the EDACONNECT-Dashboard\os_zips folder.

► **Setup a user's system to execute EDACONNECT 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 EDACONNECT-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\edacconnect.exe -d

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