

Installing IC WorkBench EV Plus and IC WorkBench Plus

Version D-2010.06, June 2010

SYNOPSYS®

Copyright Notice and Proprietary Information

Copyright © 2010 Synopsys, Inc. All rights reserved. This software and documentation contain confidential and proprietary information that is the property of Synopsys, Inc. The software and documentation are furnished under a license agreement and may be used or copied only in accordance with the terms of the license agreement. No part of the software and documentation may be reproduced, transmitted, or translated, in any form or by any means, electronic, mechanical, manual, optical, or otherwise, without prior written permission of Synopsys, Inc., or as expressly provided by the license agreement.

Right to Copy Documentation

The license agreement with Synopsys permits licensee to make copies of the documentation for its internal use only. Each copy shall include all copyrights, trademarks, service marks, and proprietary rights notices, if any. Licensee must assign sequential numbers to all copies. These copies shall contain the following legend on the cover page:

“This document is duplicated with the permission of Synopsys, Inc., for the exclusive use of _____ and its employees. This is copy number _____.”

Destination Control Statement

All technical data contained in this publication is subject to the export control laws of the United States of America. Disclosure to nationals of other countries contrary to United States law is prohibited. It is the reader's responsibility to determine the applicable regulations and to comply with them.

Disclaimer

SYNOPSIS, INC., AND ITS LICENSORS MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Registered Trademarks (®)

Synopsys, AMPS, Astro, Behavior Extracting Synthesis Technology, Cadabra, CATS, Certify, CHIPit, Design Compiler, DesignWare, Formality, HAPS, HDL Analyst, HSIM, HSPICE, Identify, Leda, MAST, ModelTools, NanoSim, OpenVera, PathMill, Physical Compiler, PrimeTime, SCOPE, Simply Better Results, SiVL, SNUG, SolvNet, Syndicated, Synplicity, the Synplicity logo, Synplify, Synplify Pro, Synthesis Constraints Optimization Environment, TetraMAX, UMRBus, VCS, Vera, and YIELDirector are registered trademarks of Synopsys, Inc.

Trademarks (™)

AFGen, Apollo, Astro-Rail, Astro-Xtalk, Aurora, AvanWaves, BEST, Columbia, Columbia-CE, Confirma, Cosmos, CosmosLE, CosmosScope, CRITIC, CustomExplorer, CustomSim, DC Expert, DC Professional, DC Ultra, Design Analyzer, Design Vision, DesignerHDL, DesignPower, DFTMAX, Direct Silicon Access, Discovery, Eclipse, Encore, EPIC, Galaxy, Galaxy Custom Designer, HANEX, HapsTrak, HDL Compiler, Hercules, Hierarchical Optimization Technology, High-performance ASIC Prototyping System, HSIM^{Plus}, i-Virtual Stepper, IICE, in-Sync, iN-Tandem, Jupiter, Jupiter-DP, JupiterXT, JupiterXT-ASIC, Liberty, Libra-Passport, Library Compiler, Magellan, Mars, Mars-Rail, Mars-Xtalk, Milkyway, ModelSource, Module Compiler, MultiPoint, Physical Analyst, Planet, Planet-PL, Polaris, Power Compiler, Raphael, Saturn, Scirocco, Scirocco-i, Star-RCXT, Star-SimXT, StarRC, System Compiler, System Designer, Taurus, TotalRecall, TSUPREM-4, VCS Express, VCSi, VHDL Compiler, VirSim, and VMC are trademarks of Synopsys, Inc.

Service Marks (sm)

MAP-in, SVP Café, and TAP-in are service marks of Synopsys, Inc.

SystemC is a trademark of the Open SystemC Initiative and is used under license.

ARM and AMBA are registered trademarks of ARM Limited.

Saber is a registered trademark of SabreMark Limited Partnership and is used under license.

All other product or company names may be trademarks of their respective owners.

Installing IC WorkBench EV Plus and IC WorkBench Plus

This document describes how to install the IC WorkBench EV Plus (ICWBEV Plus) and IC WorkBench Plus (ICWB Plus) products.

Note:

The installation instructions in this document are the most up-to-date available at the time of production. However, changes might have occurred. For the latest installation information, see the product release notes or documentation.

This document contains the following sections:

- [Media Availability and Supported Platforms](#)
- [Disk Space and Memory Requirements](#)
- [Installing the Software](#)
- [Setting Up the User Environment](#)
- [Verifying the Installation](#)
- [Viewing the Online Help](#)

Media Availability and Supported Platforms

The ICWBEV Plus and ICWB Plus tools are available by EST or as a tangible media (DVD or CD). Obtain the appropriate binary executable files based on the operating system you need.

Table 1 shows the supported platforms operating systems, corresponding Synopsys platform keywords, and window environments for this release. Many platforms require operating system patches.

For detailed information, see the Supported Platforms Guide page on the Synopsys Web site. Go to <http://www.synopsys.com/qsc> and select the appropriate foundation for your release. This Web page provides information about supported hardware, operating systems, and required OS patches. If the required patch described on this page is not available from the platform vendor, install the most recent patch instead.

Table 1 Platforms and Keywords for ICWBEV Plus and ICWB Plus

Platform	Operating system	Synopsys platform keyword	Window environment
x86_64	Red Hat Enterprise Linux v4, v5 ¹	amd64 (64-bit mode)	GNOME
x86_64	SUSE Linux Enterprise Server v9, 10 ¹	suse64 (64-bit mode)	KDE

1. Binary-compatible hardware platform or operating system. Note, however, that binary compatibility is not guaranteed. See <http://www.synopsys.com/qsc> for the latest information on supported platforms

Disk Space and Memory Requirements

Both tools require the following maximum disk space and minimum memory requirements.

Disk space	Platform independent 50MB Per platform 200MB
Physical memory	512 MB Recommended: 2+ GB
Swap space	1 GB Recommended: 2+ GB

Installing the Software

ICWBEV Plus and ICWB Plus use the Synopsys Installer tool, which allows you to use a graphical user interface (GUI) or a text script. For information about downloading Synopsys Installer and the tool, see *Installing Synopsys Tools*, available at <http://www.synopsys.com/install>.

To install the tool by EST or from the CD, follow the procedures described in *Installing Synopsys Tools*.

Installing Synopsys Tools shows an example Synopsys media installation script for the synthesis tools. ICWBEV Plus and ICWB Plus are installed in a similar manner.

ICWBEV Plus and ICWB Plus are stand-alone products and cannot be installed over an existing Synopsys product, including a prior version of the tool. You must create a new directory for ICWBEV Plus or ICWB Plus.

Setting Up the User Environment

To set up the user environment, you must specify the location of the executable file and set the license environment variable.

Specifying the Executable File Location

Add the ICWBEV Plus or ICWB Plus directory containing the executable file to the `PATH` environment variable.

- If you are using the C shell, add the following line to the `.cshrc` file:

```
setenv PATH ICWBEV_HOME/bin:$PATH  
or
```

```
setenv PATH ICWB_HOME/bin:$PATH  
where ICWBEV_HOME or ICWB_HOME refers to the IC WorkBench  
installation directory for your version of the tool.
```

- If you are using the Bourne, Korn, or Bash shell, add the following line to the `.profile`, `.kshrc`, or `.bashrc` file:

```
PATH=ICWBEV_HOME/bin:$PATH  
export PATH
```

or

```
PATH=ICWB_HOME/bin:$PATH  
export PATH
```

where `ICWBEV_HOME` or `ICWB_HOME` refers to the tool's installation directory.

Setting the `SNPSLMD_LICENSE_FILE`

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE`, or another tool-specific variable before you can verify the tool installation.

For information about downloading and installing SCL and on setting the license variable, see [Installing Synopsis Tools](#).

Verifying the Installation

To verify the specific tool installation,

1. Make sure you are in a directory where you have read/write privileges.

```
% cd $HOME
```

2. Invoke ICWBEV Plus by entering

```
% icwbev
```

or

Invoke ICWB Plus by entering

```
% icwb
```

If the GUI appears, the installation was successful.

Viewing the Online Help

The online Help system is a browser-based HTML Help system.

To view a Help system, Synopsys recommends the following minimum revisions web browsers on the Synopsys-supported platforms (later versions should also work):

Platform	Operating Systems	Supported Browsers
X86_64 Linux 64-bit	Red Hat Enterprise Linux 4 or 5 SUSE Linux Enterprise Server 9 or 10	Firefox 1.5, 2.0, 3.0 ¹ Mozilla 1.7 Netscape Navigator 7.0

1. Synopsys recommends using Firefox 3.0 builds 2008052912 or later on Linux.

Installing IC WorkBench EV Plus and IC WorkBench Plus

Viewing the Online Help