

Installing IC WorkBench

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Installing IC WorkBench, A-2007.12

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](#)

Media Availability and Supported Platforms

The ICWBEV Plus and ICWB Plus tools are available by EST or on CD. Obtain the appropriate binary executable files based on the operating system you need. Table 1 shows the supported platforms for this release.

Table 1 Platforms and Keywords for ICWBEV Plus and ICWB Plus

Platform	Operating system	Synopsys platform keyword	Window environment
AMDOpteron	Red Hat Enterprise Linux v4, v5 ¹	amd64 (64-bit mode) linux (32-bit mode) ²	GNOME
EMT64T	Red Hat enterprise Linux v4, v5 ¹	amd64 (64-bit mode) ³ linux (32-bit more) ²	GNOME
EMT64T and AMD Opteron	SUSE Enterprise Linux 9, 10	suse64 (64-bit mode)	GNOME
IA-32 (X86)	Red Hat Enterprise Linux v4, v5 ¹	linux (32-bit mode) ²	GNOME
IA-32 (X86)	SUSE Enterprise Linux 9, 10	suse32	GNOME
Sun SPARC ⁴	Solaris 9, 10 ³	sparc64 (64-bit mode)	CDE

1. *RHEL v5 is the binary compatible OS.*

2. *The 32-bit (x86) Linux software is binary compatible with Intel EM64T or AMD Opteron running Red Hat Enterprise Linux. Note, however, that binary compatibility is not guaranteed.*

3. *Binary-compatible hardware platform or operating system. Note, however, that binary compatibility is not guaranteed.*

4. *Platform available for ICWBEV Plus only.*

Disk Space and Memory Requirements

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

Disk space	Platform independent 24 MB Per platform 20 MB
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` or `LM_LICENSE_FILE` Environment Variable

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE`, `LM_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 Synopsys 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.

Installing IC WorkBench EV Plus and IC WorkBench Plus
Verifying the Installation