

IC Compiler Installation Notes

Version A-2007.12

December 10, 2007

These installation notes present installing IC Compiler version A-2007.12 in the following sections:

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Note:

The installation instructions in this chapter 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.

See also <http://www.synopsys.com/install> for additional installation and licensing information.

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Media Availability and Supported Platforms

The IC Compiler tool is available by EST download upon initial software release, and at a later date on DVD (or CD depending on image size). [Table 1-1](#) shows the supported operating systems and keywords for this release.

Table 1-1 Supported Operating Systems and Keywords

Platform	Operating system	Platform keyword	Path keyword
AMD Opteron	Red Hat Enterprise Linux v4, v5 ¹	amd64 (64-bit mode)	AMD.64
EM64T	SUSE Enterprise Linux 9, 10 ¹	suse64 (64-bit mode) suse32 (32-bit mode)	SUSE.64 SUSE.32
IA-32 (x86)	Red Hat Enterprise Linux v4, 5 ¹	linux	IA.32
Sun SPARC	Solaris 9, 10 ¹	sparc64 (64-bit)	SUN.32 SUN.64

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

Disk Space Requirements

The disk space requirement depends on the platform. [Table 1-2](#) shows the maximum space required for installing IC Compiler on a particular platform.

Table 1-2 Disk Space Requirements (in Megabytes)

Operating system	Megabytes
amd64	1120
linux	1100
sparc64	1340
suse32	1070
suse64	1090

Installing the Software

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

To install IC Compiler, follow the procedures described in *Installing Synopsys Tools*. This document provides a Synopsys media installation script. IC Compiler is installed in a similar manner.

IC Compiler is a stand-alone product and cannot be installed over an existing Synopsys product, including a prior version of IC Compiler. You must create a new directory for IC Compiler.

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

A platform-independent wrapper script is provided for the IC Compiler tool. This script automatically determines the operating system platform at runtime, which simplifies the setup required to use IC Compiler.

The platform-independent wrappers are located at *icc_root/bin* and include the following new options:

```
-32bit | -64bit
```

Note:

If you select an executable file that is not available, you will automatically be switched to an available platform based on your current environment. A warning message will not be issued.

To set up the environment by using platform-independent wrappers, add the IC Compiler bin directory to the `PATH` environment variable.

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

```
set path=(icc_root/bin $path)
```

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

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

Replace `icc_root` with the IC Compiler root directory.

Setting the `SNPSLMD_LICENSE_FILE` Environment Variable

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE` variable before you can verify the IC Compiler installation.

For information about downloading SCL installing SCL, or setting the license variable, see *Installing Synopsys Tools* at <http://www.synopsys.com/install>.

Configuring the Browser for Online Help

The online Help system is a browser-based HTML Help system designed for viewing in the Firefox and Mozilla Web browsers. You can use any of the following browsers:

- Firefox version 1.5 or 2.0
- Mozilla version 1.7

Although online Help might work in Internet Explorer version 6.0 or later, it is not tested in this browser.

Important:

When you use online Help from within the GUI, the directory containing the browser executable file must be in the search path specified by your UNIX or Linux `$PATH` variable.

The default browser is Firefox. To use a different browser, change the `gui_online_browser` variable in your `[.synopsys_icc_gui.tcl | .synopsys_dv_gui.tcl]` setup file. You can also change the browser for the current session by setting this variable from within the GUI. For example

```
set gui_online_browser "mozilla"
```

The choices are `firefox` or `mozilla`.

Verifying the IC Compiler Installation

To verify the IC Compiler installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering one of the following commands on a licensed machine:

```
% icc_root/platform/syn/bin/icc_shell -gui (GUI mode)
```

```
% icc_root/platform/syn/bin/icc_shell (shell mode)
```

Replace *icc_root* with the IC Compiler root directory and *platform* with the appropriate platform (see [Table 1-2](#)).

If you see information about the product version, production date, and copyright, the installation was successful.

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