

Installing Hercules

This document describes how to install the Hercules product.

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.

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To install Synopsys tools, it is recommended that you log on as root or have system administrator privileges. You need write permission for the installation directory.

Media Availability and Supported Platforms

The Hercules tool is available on CD or by EST. Obtain the appropriate binary executable files based on the operating system you need. Table 1 shows the supported platforms for the B-2008.09 release.

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Disk Space Requirements

Note:

The Hercules software is configured so that multiple platforms of this version can be installed in a single installation directory (*install_dir*).

Table 1 Supported Operating Systems and Keywords

Platform	Operating System	Platform Keyword	Path Keyword
AMD Opteron	Red Hat Enterprise Linux v4, v5	amd64 (64-bit mode)	AMD.64
EM64T	SUSE Linux Enterprise 9, 10	suse32 (32-bit mode) suse64 (64-bit mode)	SUSE.32 SUSE.64
IA-32 (X86)	Red Hat Enterprise Linux v4, v5	linux (32-bit mode)	IA.32
IBM RS/6000 ¹	AIX 5.3	rs6000 (32-bit mode) aix64 (64-bit mode)	AIX.32 AIX.64
Sun SPARC	Solaris 9, 10	sparcOS5 (32-bit mode) sparc64 (64-bit mode)	SUN.32 SUN.64

1. This platform will be released in October 2008.

Disk Space Requirements

Make sure you have enough disk space for Hercules-Explorer and Hercules-VUE installation. The disk space requirement varies depending on the platform and the tool selected for installation. Table 2 shows the maximum space required for installing each product on a particular platform.

Table 2 Disk Space Requirements (in Megabytes)

Operating System	Megabytes
Platform-independent files (Base MB)	110
Sun Solaris 32-bit	250
Sun Solaris 64-bit	210
Red Hat Linux 32-bit	220

Table 2 Disk Space Requirements (in Megabytes) (Continued)

Operating System	Megabytes
Red Hat Enterprise Linux 64-bit	220
AMD 64-bit	240
AIX 5.3 RS 64-bit	270

Installing the Software

Hercules uses 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 Hercules, see *Installing Synopsys Tools*, available at <http://www.synopsys.com/install>.

To install Hercules by EST or from the CD, follow the procedures described in *Installing Synopsys Tools*. It shows an example Synopsys media installation script for the synthesis tools. Hercules is installed in a similar manner.

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

Setting Up the User Environment

To set up the user environment, you must modify the `hercules_setup.csh` and `hercules_setup.sh` files and set the license environment variable.

Specifying the Executable File Location

Set the `$HERCULES_HOME_DIR` environment variable by replacing the `<TOP-LEVEL-INSTALL-DIR>` text in the `install_dir/hercules_setup.csh` and `install_dir/hercules_setup.sh` files with `install_dir`.

- If you are using the C shell, modify the following line:

```
setenv HERCULES_HOME_DIR <TOP-LEVEL-INSTALL-DIR>
```

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For example,

```
setenv HERCULES_HOME_DIR /usr/synopsys/hercules/version
```

- If you are using the Bourne shell, modify the following line:

```
HERCULES_HOME_DIR=<TOP-LEVEL-INSTALL-DIR>
```

For example,

```
HERCULES_HOME_DIR=/usr/synopsys/hercules/version
```

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 Hercules installation.

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

Verifying the Hercules Installation

To verify the Hercules installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering

```
% hercules -v
```

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

Viewing the Hercules Documentation

The Hercules documentation is in `HERCULES_HOME_DIR/doc/hercules`. You will see several directories: the pdf directory contains PDF files of all Hercules user guide and reference manual documents, while the document-specific directories contain HTML versions of these documents.

The documentation is available

- through the VUE Help menu.
- from the Synopsys web site SolvNet Online Support.

The release notes are available on SolvNet in the Download Center.

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