

Installing HSIPlus

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Installing HSI^Mplus

This document contains specific information to prepare for and verify installation of HSI^Mplus, as well as links to installation instructions.

Note:

The installation instructions in this document are the most up-to-date instructions 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 Requirements](#)
- [Installing the Software](#)
- [Setting Up the User Environment](#)
- [Verifying the HSI^Mplus Installation](#)

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

Obtain the appropriate HSIM^{plus} binary executable files based on the operating system you need. Table 1 shows the supported platforms for the B-2008.09 release. This release of HSIM^{plus} is not supported on Pentium III CPU systems.

Table 1 Supported Platforms and Keywords

Platform	Operating system	Synopsys platform keyword
AMDOpteron	Red Hat Enterprise Linux v3 (Update 5), v4 ¹ (Update 1)	amd64 (64-bit mode) linux (32-bit mode) ¹
EM64T	SUSE Enterprise Linux 9 (SP3)	suse32 (32-bit mode) suse64 (64-bit mode)
IA-32 (X86)	Red Hat Enterprise Linux v3 (Update 5), v4 ¹ (Update 1)	linux (32-bit mode)
Itanium 2	Red Hat Enterprise Linux 2.1	linuxipf (64-bit mode)
Sun SPARC	Solaris 9, 10 ²	sparcOS5 (32-bit mode) spacr64 (64-bit mode)
IA-32 (X86)	Windows 2000 (NT 4.0)	win32 (32-bit mode)

Note:

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

Disk Space Requirements

Make sure you have enough disk space for HSIM^{plus} installation. For a full installation on one platform, 2 GB is recommended. Windows NT requires an additional 50 MB. For a single platform, 250 MB is recommended for 32-bit platforms and 500 MB for 64-bit platforms. 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)	
amd64	400
linux	200
linuxipf	100
sparcOS5 (32-bit mode)	250
sparc64 (64-bit mode)	500
suse32 (32-bit mode)	150
suse64 (64-bit mode)	200
win32	50

Installing the Software

HSI^mplus 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 HSI^mplus, see *Installing Synopsys Tools*, available at http://www.synopsys.com/support/installation/install_guide.html.

To install HSI^mplus, follow the procedures described in *Installing Synopsys Tools*.

Installing Synopsys Tools shows an example Synopsys media installation script for the synthesis tools. HSI^mplus is installed in a similar manner.

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

Installing HSI^Mplus

Setting Up the User Environment

To install HSI^Mplus on the Windows 2000 (NT4.0) platform, respond as necessary to the installer screens for the self-extracting executable file.

Setting Up the User Environment

To set up the user environment, you must

- Specify the executable file location
- Set the `SNPSLMD_LICENSE_FILE` or `LM_LICENSE_FILE` variable

Specifying the Executable File Location

Add the HSI^Mplus 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:

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

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

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

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 HSI^Mplus installation.

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

Verifying the HSI^Mplus Installation

To verify the HSI^Mplus installation,

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

```
% cd $HOME
```

2. To run HSI^Mplus and check out a license, enter

```
% hsim test.sp
```

where test.sp is a nonexistent file.

If an HSI^Mplus banner appears with no license error message, the installation was successful. The binary file was executed and a license was checked out even though you see the following error message:

```
"Error: cannot open file "test.sp"
```

Note:

To run 64-bit binary files, set the HSI_M_64 environment variable to 1.

Installing HSI^Mplus
Verifying the HSI^Mplus Installation