

# Installing HSIPlus

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## Installing HSIM<sup>plus</sup>

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This document contains specific information to prepare for and verify installation of HSIM<sup>plus</sup>, 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 HSIM<sup>plus</sup> Installation](#)

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

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## Media Availability and Supported Platforms

Obtain the appropriate HSI<sup>M</sup>plus binary executable files based on the operating system you need. Table 1 shows the supported platforms for the C-2009.06 release. This release of HSI<sup>M</sup>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 <sup>1</sup> (Update 1)	amd64 (64-bit mode) linux (32-bit mode) <sup>1</sup>
EM64T	SUSE Enterprise Linux 9 (SP3), 10 (SP1)	suse32 (32-bit mode) suse64 (64-bit mode)
IA-32 (X86)	Red Hat Enterprise Linux v3 (Update 5), v4 <sup>1</sup> (Update 1)	linux (32-bit mode)
X86	Solaris 10 <sup>2</sup>	x86sol32 (32-bit mode)
X86_64	Solaris 10 <sup>2</sup>	x86sol32 (32-bit mode), x86sol64 (64-bit mode)
Sun SPARC	Solaris 9, 10 <sup>2</sup>	sparcOS5 (32-bit mode) sparc64 (64-bit mode)
IA-32 (X86)	Windows XP	win32 (32-bit mode)

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

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

**Note:**

The HSI<sup>M</sup>plus software is configured so that multiple platforms of this version can be installed in a single installation directory (*install\_dir*).

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## Disk Space Requirements

Make sure you have enough disk space for HSI<sup>M</sup><sup>plus</sup> installation. For a full installation on one platform, 2 GB is recommended. Windows XP requires an additional 50 MB. For a single platform, 500 MB is recommended for 32-bit platforms and 1000 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	660
linux	410
sparcOS5 (32-bit mode)	450
sparc64 (64-bit mode)	430
suse32 (32-bit mode)	400
suse64 (64-bit mode)	430
X86sol32	500
X86sol64	650
win32	100

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## Installing the Software

HSI<sup>M</sup><sup>plus</sup> 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<sup>M</sup><sup>plus</sup>, see *Installing Synopsys Tools*, available at [http://www.synopsys.com/support/installation/install\\_guide.html](http://www.synopsys.com/support/installation/install_guide.html).

## Installing HSI<sup>M</sup>plus

### Setting Up the User Environment

To install HSI<sup>M</sup>plus, follow the procedures described in [Installing Synopsys Tools](#).

[Installing Synopsys Tools](#) shows an example Synopsys media installation script for the synthesis tools. HSI<sup>M</sup>plus is installed in a similar manner.

HSI<sup>M</sup>plus is a stand-alone product and cannot be installed over an existing Synopsys product, including a prior version of HSI<sup>M</sup>plus. You must create a new directory for HSI<sup>M</sup>plus.

To install HSI<sup>M</sup>plus on the Windows XP platform, respond as necessary to the installer screens for the self-extracting executable file.

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## 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

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### Specifying the Executable File Location

Add the HSI<sup>M</sup>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:

```
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
```

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### 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<sup>M</sup>plus installation.

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

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## Verifying the HSI<sup>M</sup><sup>plus</sup> Installation

To verify the HSI<sup>M</sup><sup>plus</sup> installation,

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

```
% cd $HOME
```

2. To run HSI<sup>M</sup><sup>plus</sup> and check out a license, enter

```
% hsim test.sp
```

where test.sp is a nonexistent file.

If an HSI<sup>M</sup><sup>plus</sup> 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<sup>M</sup><sub>64</sub> environment variable to 1.

**Installing HSIM<sup>plus</sup>**

Verifying the HSIM<sup>plus</sup> Installation