

Installing XA

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Installing XA

This document contains specific information to prepare for and verify installation of the XA add-on to NanoSim and HSIM, 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 XA Installation](#)
- [Accessing XA Documentation](#)

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 binary executable files based on the operating system you need. Table 1 shows the supported platforms for the B-2008.09 release.

Table 1 Supported Platforms and Keywords

Platform	Operating system	Synopsys platform keyword	Path keyword
AMDOpteron	Red Hat Enterprise Linux v3, 4	amd64 (64-bit mode)	AMD64_L24

Table 1 Supported Platforms and Keywords (Continued)

Platform	Operating system	Synopsys platform keyword	Path keyword
EM64T	SUSE Enterprise Linux 9	suse32 (32-bit mode) suse64 (64-bit mode)	SUSE.32 SUSE.64
IA-32 (X86)	Red Hat Enterprise Linux v3, 4	linux (32-bit mode)	IA32_L24
IBM RS/6000	AIX 5.3	aix64 (64-bit mode)	RS64_AIX53
Itanium 2	Red Hat Enterprise Linux 2.1	linuxipf (64-bit mode)	IA64_L24
Sun SPARC	Solaris 9, 10	sparcOS5 (32-bit mode)	SUN32_58 SUN64_58

Note:

The XA 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 XA installation. For a full installation on one platform, 380 MB is recommended. 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

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

To install XA, follow the procedures described in *Installing Synopsys Tools*.

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

XA cannot be installed over an existing Synopsys product, including a prior version of XA. You must create a new directory for XA.

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 XA 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:

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```
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 XA installation.

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

Verifying the XA Installation

To verify the XA installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering

```
% product -V
```

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

Accessing XA Documentation

The documentation for XA is available as PDF files or as online help.

Viewing and Printing XA Documentation in Portable Document Format

To view and print XA documentation in PDF, you must have Adobe Acrobat Reader installed on your machine.

Viewing XA Online Help

The online Help system is a browser-based HTML Help system.

To view this Help system, Synopsys recommends the following web browsers on the Synopsys-supported platforms:

Platform	Operating Systems	Supported Browsers
IBM RS6000 AIX 32- and 64-bit	AIX 5.3	Firefox 1.5 Mozilla 1.7
SunSPARC Solaris 32- & 64-bit	Solaris 9 or 10 ¹	Firefox 1.5, 2.0 Mozilla 1.7
X86 (IA-32) 32-bit & Linux 32-bit	RedHat Enterprise Linux 4 or 5 SUSE Linux Enterprise Server 9 or 10	Firefox 1.5, 2.0, 3.0 ² Mozilla 1.7 Netscape Navigator 7.0
X86_64 Linux 64-bit	Red Hat Enterprise Linux 4 or 5 SUSE Linux Enterprise Server 9 or 10	Firefox 1.5, 2.0, 3.0 ² Mozilla 1.7 Netscape Navigator 7.0
X86 Windows 2000	Windows 2000	Firefox 1.5, 2.0, 3.0 ³ Internet Explorer 6.0 Mozilla 1.7 Netscape Navigator 7.0
X86 Windows XP Professional	Windows XP Professional v2002	Firefox 1.5, 2.0, 3.0 ³ Internet Explorer 6.0 Mozilla 1.7 Netscape Navigator 7.0

- 1. Synopsys does not recommend using Netscape Navigator to view Help on Solaris.*
- 2. Synopsys recommends using Firefox 3.0 builds 2008052912 or later on Linux.*
- 3. Synopsys recommends using Firefox 3.0 builds 2008052906 or later on Windows.*

Important:

Online Help is set by default to use Netscape or Mozilla on UNIX and Linux platforms. To use Firefox, start the Firefox browser before starting Help, as described in [Using a Browser Other Than Netscape or Internet Explorer](#).

Using a Browser Other Than Netscape or Internet Explorer

Netscape is the default Help browser on UNIX and Linux systems. Internet Explorer is the default Help browser on Windows systems. You can use other browsers, however, as follows.

To use a browser other than Netscape on UNIX or Linux:

1. Before you use Help, open the browser you want to use, such as Firefox.
2. Then start Help from your Synopsys application.

The Help document will open in the currently opened browser.

To use a browser other than Internet Explorer on Windows:

- Set the browser you want to use, such as Firefox, to be your default browser.

The next time you click Help, the Help content will appear in the default browser.