

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 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
AMDOpteron	Red Hat Enterprise Linux v3, 4	amd64 (64-bit mode)

Table 1 Supported Platforms and Keywords (Continued)

Platform	Operating system	Synopsys platform keyword
EM64T	SUSE Enterprise Linux 9	suse32 (32-bit mode) suse64 (64-bit mode)
IA-32 (X86)	Red Hat Enterprise Linux v3, 4	linux (32-bit mode)
Sun SPARC	Solaris 9, 10	sparcOS5 (32-bit mode)

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
Red Hat Enterprise Linux 64-bit	220
AMD 64-bit	240

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:

```
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.

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Verifying 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

```
% xa -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 XA online Help system is a browser-based HTML Help system.

To view a Help system, Synopsys recommends the following minimum revisions web browsers on the Synopsys-supported platforms (later versions should also work):

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.*

The following sections describe:

- [How to Set a Default Browser on Windows](#)
- [How to Set a Default Browser on UNIX or Linux](#)
- [How to Set a Default Browser on UNIX or Linux](#)
- [Setting MIME Types to View PDFs from Help](#)

How to Set a Default Browser on Windows

On Windows, Help opens the browser associated with .html files (typically Internet Explorer).

To use a browser other than Internet Explorer on Windows:

1. Open the browser that you want to use.
2. Open the Add or Remove Programs applet (available from the Control Panel).
3. Choose Set Program Access and Defaults.
4. Select Custom and click the down arrow to display the custom menu.
5. Choose "Use my current Web browser" and click OK.

Result: The next time you click Help, the Help content will appear in your selected default browser.

How to Set a Default Browser on UNIX or Linux

The Help system finds HTML browsers on UNIX or Linux by searching for browsers in this order: Netscape, Mozilla, Internet Explorer. It searches for these browsers in the following locations:

1. It first searches in the directories listed in your \$PATH environment variable for the following executables in the following order:

```
netscape6  
netscape  
mozilla  
iexplorer
```

2. If Help doesn't find these executables in your \$PATH, it searches first for netscape6, then netscape, then mozilla, in the following customary locations:

```
/opt/browser/  
/usr/local/bin/  
/usr/local/browser/  
/usr/bin/browser
```

3. Finally, it looks for the Internet Explorer executable in this location:

```
/usr/local/microsoft/bin/iexplorer
```

To use a browser other than those listed above on UNIX or Linux, there are two methods you can use.

Method A: Open the browser you want to use first:

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.

Method B: Link the executable you want to use to one of the executables (netscape or mozilla) used by Help by default:

- For example, assume that you want to use your Firefox browser executable instead of Mozilla, and that both executables are located in /usr/bin. Make a symbolic link from the firefox executable to mozilla as follows:

```
cd /usr/bin  
ln -s firefox mozilla
```

This will cause Help to start Firefox in place of Mozilla when Help is called.

Note:

If you make this change, all users on this system will start Firefox instead of Mozilla on this server, in any context.

Setting MIME Types to View PDFs from Help

Online Help includes PDF versions of the documents, for use in printing. In order for links from the Help to the PDF to work, you must set an association in your browser for MIME type "application/pdf" with an appropriate PDF viewer for your platform. See the documentation for your particular browser for specific instructions on creating MIME-type associations.

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