

# Installing XA

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Installing XA, A-2008.03

*This document describes how to install the XA add-on to NanoSim and HSIM.*

This document describes:

- [Supported Operating Systems](#)
- [Installing the Software](#)

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## Supported Operating Systems

This release of XA is compatible with the following operating systems:

- Solaris 9 32-bit
- Solaris 9 64-bit
- Linux Redhat Enterprise v4.0 32-bit
- Linux Opteron (AMD64) Redhat Enterprise v4.0 64-bit
- Linux SUSE 32/64-bit

The following sections detail the recommended patches for these operating systems.

- [Solaris 9 Recommended Patches](#)
- [Linux RedHat and SUSE Recommended Patches](#)

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## Solaris 9 Recommended Patches

The following tables list the recommended patches for all Solaris 9 systems.

*Table 1 Solaris 9 Run-Time Patches*

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Patch	Description
Version 01/25/06 Kernel 118558-21	Baseline Solaris 9 Patch Level
111711-15	32-bit shared library patch for C++
111712-15	64-bit shared library patch for C++
111722-04	Math library patch (libm)
1117560-03	OpenMP support (libmtsk)
121021-01	Patch for Fortran dynamic libraries
112874-37	libc patch
113225-07	timezone patch
113886-43	OpenGL 1.3: OpenGL patch for Solaris (32-bit)
113887-43	OpenGL 1.3: OpenGL patch for Solaris (64-bit)

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Recommended patches can be downloaded from the Sun Microsystems website at <http://sunsolve.sun.com/pub-cgi/show.pl?target=patchpage>

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## Linux RedHat and SUSE Recommended Patches

Table 2 lists the recommended patches for all Linux RedHat Enterprise v4 systems.

*Table 2 Linux RHEL v4 Run-time Patches*

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Patch	Description
Update 4	Baseline RedHat patch bundle

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Table 2 *Linux RHEL v4 Run-time Patches*

Patch	Description
kernel-hugemem-2.6.9-42.EL.i686.rpm	Huge memory patch (enables 32-bit processes to access addresses past 3GB)

Table 3 lists the recommended patches for all Linux Opteron (AMD64) RedHat Enterprise v4 systems.

Table 3 *Linux AMD64 RHEL v4 Run-time Patches*

Patch	Description
Update 4	Baseline RedHat patch bundle

Recommended RedHat patches can be downloaded from the Redhat website at <https://www.redhat.com/apps/support/>.

lists the recommended patches for all Linux SUSE 32/64-bit systems.

Table 4 *Linux SLES 9 (SUSE) Run-time Patches*

Patch	Description
Service Pack 3	Baseline SUSE patch bundle

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## Installing the Software

XA uses the Synopsys Installer tool, which allows you to use a graphical user interface (GUI) or a text script. For this release, use Synopsys Installer version 1.8.

For information about downloading the Synopsys Installer and XA, see [Installing Synopsys Tools](#). This manual instructs you how to install XA from the Electronic Software Transfer (EST) directory or from a CD.

You must create a new directory to install XA. Do not install this release over an existing HSIM or NanoSim release.

For additional notes about installation, see the `xa_INSTALL_README.txt` file in the XA download directory.

## Installing XA

### Installing the Software

To install XA, follow these steps:

1. Download a copy of the `product_release_common.tar` file and `product_release_platform.tar` file for each platform. For example, to install XA A-2008.03 Solaris 32-bit and 64-bit code, you must download the following three FTP files:

```
xa_vA-2008.03_common.tar
xa_vA-2008.03_sparcOS5.tar
xa_vA-2008.03_sparc64.tar
```

2. Download the `installer_v1.8.tar.z` file to the temporary directory. This file includes scripts and files for text- or GUI-based installation.

#### Note:

For more details about this file, read the `xa_INSTALL_README.txt` file.

3. Unpack the tar files. For example:

```
tar -xvf xa_vA-2008.03_common.tar
tar -xvf xa_vA-2008.03_platform.tar
```

The *platform* is `sparcOS5`, `sparc64`, `linux`, or `amd64`.

4. Uncompress and unpack the Synopsys Installer file.
5. Add the installer directory to your UNIX path:

```
% set path=(/usr/synopsys/synopsysinstaller $path)
```

or

```
$> export PATH=/usr/synopsys/synopsysinstaller:$PATH
```

6. To install the software, enter:

```
% installer
```

This command runs the installer and displays text prompts.

If you start the installer from a directory that does not contain product files, you will be prompted to provide a source path to the temporary directory containing the product files. If you start the installer from the temporary product file directory, you will not be asked for a path.

7. Answer the installer prompts.

## Verifying Installation

To verify that installation is complete:

1. Source the CSHRC\_xa (for csh or tcsh) or SHRC\_xa (for bash) in the install directory:

```
% source CSHRC_xa
```

or

```
$ . SHRC_xa
```

2. Start XA by entering:

```
% xa
```

You should see information about the product version, production date, and usage information. If you do, the installation was successful.

**Installing XA**  
Installing the Software