

Installing Sentaurus Lithography

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Installing Sentaurus Lithography

This document contains specific information to prepare for and verify the installation of Sentaurus Lithography, 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 Sentaurus Lithography Installation](#)
- [Accessing Sentaurus Lithography 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

The Sentaurus Lithography tool is available on CD or by EST. Obtain the appropriate binary executable files based on the operating system you need.

Installing Sentaurus Lithography

Disk Space Requirements

Table 1 shows the supported platforms for the B-2008.06 release.

Table 1 Supported platforms and keywords

Platform	Operating system	Synopsys platform keyword	Path keyword
AMD Opteron	Red Hat Enterprise Linux v4	amd64 (64-bit mode)	AMD64_L24

Note:

Versions or releases other than those listed may work correctly with the software, but they are not supported explicitly.

Note:

While Windows versions of Sentaurus Lithography are supported, for the common installer, no Windows version is available.

Note:

The Sentaurus Lithography software is configured so that multiple platforms of this version can be installed in a single installation directory (`install_dir`).

If you have any questions, contact your Synopsys sales representative.

For more information on platform support, go to Synopsys Compute Platforms Roadmap at: http://www.synopsys.com/products/platforms_roadmap.html

Disk Space Requirements

To install Sentaurus Lithography, you need approximately 300 MB of free disk space.

For real work, you may require more space, depending on the size of your data files.

For requirements regarding virtual memory (swap space), refer to the product-specific documentation.

Installing the Software

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

To install Sentaurus Lithography by EST or from the CD, follow the procedures described in *Installing Synopsys Tools*.

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

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

For Sentaurus Lithography, additional installation instructions can be found in `slitho_INSTALL_README.txt`.

Note:

If you are installing both Sentaurus Lithography and Sentaurus Lithography PWA, they should be installed after one another and *not* at the same time. If you install both packages, select two different target directories.

Synopsys License Daemon Required

Sentaurus Lithography uses the Synopsys common license daemon `snpslmd`. Version 10.9.3 of the Synopsys daemon is required.

Download `snpslmd v10.9.3` from the Synopsys Website and follow the instructions there: http://www.synopsys.com/support/keys/#download_scl

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Contact Synopsys export personnel if there are any questions.

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 Sentaurus Lithography 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 Sentaurus Lithography installation.

For information about downloading and installing SCL and on setting the license variable, see *Installing Synopsys Tools*, available at http://www.synopsys.com/support/installation/install_guide.html.

Verifying the Sentaurus Lithography Installation

To verify the Sentaurus Lithography 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 Sentaurus Lithography Documentation

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

Viewing and Printing Sentaurus Lithography Documentation in Portable Document Format

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

Viewing Sentaurus Lithography 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
X86 (IA-32) 32-bit & Linux 32-bit	Red Hat Enterprise Linux 4 or 5 SUSE Linux Enterprise Server 9 or 10	Firefox 1.5, 2.0 Mozilla 1.7 Netscape Navigator 7.0

Platform	Operating Systems	Supported Browsers
X86_64 Linux 64-bit	Red Hat Enterprise Linux 4 or 5 SUSE Linux Enterprise Server 9 or 10	Firefox 1.5, 2.0 Mozilla 1.7 Netscape Navigator 7.0
X86 Windows 2000	Windows 2000	Firefox 1.5, 2.0 Internet Explorer 6.0 Mozilla 1.7 Netscape Navigator 7.0
X86 Windows XP Professional	Windows XP Professional v2002	Firefox 1.5, 2.0 Internet Explorer 6.0 Mozilla 1.7 Netscape Navigator 7.0

Important:

The online Help system 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.