

Installing Galaxy Custom Designer™

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Installing Custom Designer

This document contains specific information to prepare for and verify installation of Custom Designer, as well as links to installation instructions.

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 Custom Designer Installation](#)
- [Accessing Custom Designer Documentation](#)

Media Availability and Supported Platforms

The Custom Designer tool is available on CD or by EST. Obtain the appropriate binary executable files based on the operating system you need. [Table 1](#) shows the supported platforms for the D-2009.12 release.

Table 1 Supported Platforms and Keywords

Platform	Operating system	Synopsys platform keyword	Window environment
X86_64	Red Hat Enterprise Linux v4, 5	amd64 (64-bit mode) linux (32-bit mode) ¹	GNOME
X86	Red Hat Enterprise Linux v4, 5	linux (32-bit mode) ¹	GNOME

Installing Custom Designer

Disk Space Requirements

1. The 32-bit (x86) and 64-bit (x86_64) Linux software is binary compatible with the Intel EM64T or AMD Opteron running Red Hat Enterprise Linux. See <http://www.synopsys.com/products/platforms> for the latest information.

The Custom Designer software is configured so that multiple platforms of this version can be installed in a single installation directory (*install_dir*). See [Specifying the Custom Designer Platform Version](#) for more information.

Disk Space Requirements

Make sure you have enough disk space for Custom Designer installation. For a full installation on one platform, 500 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)

Synopsys Platform Keyword	.tar File	Installed Space
common	40	101
aix64	247	412
linux	241	396

Installing the Software

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

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

Note: Synopsys tools should be installed by your CAD team.

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

Custom Designer is a stand-alone product and cannot be installed over an existing Synopsys product. You can either create a new directory for Custom Designer yourself or you can let the installer create the directory.

Caution: Although Custom Designer can be installed over a prior version of Custom Designer, the results are unpredictable.

Setting Up the User Environment

Refer to the following sections to set up your user environment:

- [Specifying the Executable File Location](#)
- [Setting the SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE Environment Variable](#)
- [Specifying the Custom Designer Platform Version](#)

Specifying the Executable File Location

Add the Custom Designer 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`, `.kshrc`, or `.bashrc` file:

```
PATH=install_dir/bin:$PATH  
export PATH
```

Setting the SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE Environment Variable

You must install the Synopsys Common Licensing (SCL) software, retrieve your license key file, and define the `SNPSLMD_LICENSE_FILE` environment variable before you can verify the Custom Designer installation.

Installing Custom Designer

Verifying the Custom Designer Installation

The installer looks for these variables in the following order and uses whichever is found first, ignoring the rest:

- `$HOME/.flexlmrc`
- `SNPSLMD_LICENSE_FILE`
- `LM_LICENSE_FILE`

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

Specifying the Custom Designer Platform Version

In the case of multiple versions of Custom Designer having been installed in the same directory, you can use the `SYNOPSIS_CUSTOM_PLATFORM` variable to specify which Custom Designer platform version you want to use, as shown in the following example:

```
setenv SYNOPSIS_CUSTOM_PLATFORM [linux | amd64]
```

Verifying the Custom Designer Installation

To verify the Custom Designer installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering

```
% cdesigner -help
```

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

Accessing Custom Designer Documentation

The documentation for Custom Designer is available as PDF files or as online help as described in the following sections:

- [Viewing and Printing Custom Designer Documentation in Portable Document Format](#)
- [Supported Web Browsers](#)
- [Setting MIME Types to View PDFs from Help](#)

Viewing and Printing Custom Designer Documentation in Portable Document Format

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

Viewing Custom Designer Online Help

The 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	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

Installing Custom Designer

Accessing Custom Designer Documentation

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, 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.

Supported Web Browsers

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	RedHat Enterprise Linux 4 or 5	Firefox 1.5, 2.0, 3.0 ¹ Mozilla 1.7 Netscape Navigator 7.0
X86_64 Linux 64-bit	Red Hat Enterprise Linux 4 or 5	Firefox 1.5, 2.0, 3.0 ¹ Mozilla 1.7 Netscape Navigator 7.0

1. Synopsys recommends using Firefox 3.0 builds 2008052912 or later on Linux.

Setting a Default Browser on UNIX or Linux

The Help system searches for HTML browsers on UNIX or Linux systems as follows:

1. Searches for the browser associated with the Synopsys Help browser variable, `SNPS_BROWSER`. The value is a browser executable with full pathname.
2. Searches for the browser associated with the UNIX system variable, `BROWSER`. The value is a browser executable with full pathname.
3. *Optional:* Searches for the browser associated with a preference or other command setting provided by your Synopsys application.
4. Searches for the following browser executables, in order, in your `PATH`:

```
firefox  
seamonkey  
netscape6  
netscape  
mozilla  
iexplorer  
konqueror  
epiphany
```

5. Searches for the executables in each of the following locations in order:

For `firefox` and then for `seamonkey`:

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

For `netscape6`, then for `netscape`, and then for `mozilla`:

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

For `iexplorer`:

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

For `konqueror` and then for `epiphany`:

Installing Custom Designer

Accessing Custom Designer Documentation

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

To set the default browser, you can do either of the following:

- Use the appropriate UNIX or Linux command to set one of the variables described above. For example, in UNIX csh shell or LINUX BSD:

```
setenv SNPS_BROWSER /usr/bin/firefox
```

In UNIX or Linux sh, bash, or ksh:

```
export SNPS_BROWSER=/usr/bin/firefox
```

- Use your Synopsys application's preference setting or command, if any, to set the default. The preference setting or command name varies between applications. Some applications do not provide this setting, but rely on the variables described previously. Check your application documentation for information about setting a default Help browser.

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.