

Installing CATS®

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Installing CATS®, A-2008.03

Installing CATS

This document describes how to install CATS.

Note:

The installation instructions in this document are the most up-to-date 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 the Environment Variables](#)
- [Verifying the CATS Installation](#)

To ensure a successful installation, have your license server running and have the appropriate license keys installed before beginning the installation process. (See *Installing Synopsys Tools*, available at <http://www.synopsys.com/install/>.)

Media Availability and Supported Platforms

The CATS tool is available by EST or on CD. Obtain the appropriate binary executable files based on the operating system you need. Table 1 shows the supported platforms for this release.

Table 1 Platforms and Keywords

Platform	Operating system	Synopsys platform keyword
AMDOpteron	Red Hat Enterprise Linux 4 ¹	amd64 (64-bit mode)
AMDOpteron	SUSE Enterprise Linux 9	suse64 (64-bit mode)

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Disk Space Requirements

Table 1 Platforms and Keywords (Continued)

Platform	Operating system	Synopsys platform keyword
EM64T	Red Hat Enterprise Linux 4 ¹	amd64 (64-bit mode)
EM64T	SUSE Enterprise Linux 9	suse64 (64-bit mode)
IBM RS/6000	AIX 5.3	aix64 (64-bit mode)
Sun SPARC	Solaris 9, 10 ¹	sparc64 (64-bit mode)

1. Binary-compatible hardware platform or operating system. Note, however, that binary compatibility is not guaranteed.

Disk Space Requirements

Make sure you have enough disk space for the installation. For one platform, a total disk space of approximately 162 MB is required. (This figure includes 42 MB for the platform independent files and 120 MB for the platform files.) Each additional platform installed into the same installation directory requires approximately 120 MB.

Installing the Software

CATS 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 CATS, see [Installing Synopsys Tools](#).

To install CATS 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. CATS is installed in a similar manner.

CATS is a stand-alone product and cannot be installed over an existing Synopsys product, including a prior version of CATS. You must create a new directory for CATS.

Setting the Environment Variables

This section discusses the following environment variables:

- `CATS_HOME`
- `SNPSLMD_LICENSE_FILE` or `LM_LICENSE_FILE`

It is recommended that you place these variables in your `$HOME/.cshrc` or `$HOME/.profile` file as your default settings.

Setting the `CATS_HOME` Environment Variable

Follow these steps.

1. Set the `$CATS_HOME` environment variable in the shell you are using, where the *root_directory* argument is the name of the CATS root directory.

- If you are using the C shell, enter:

```
% setenv CATS_HOME install_dir
```

- If you are using the Bourne shell, enter:

```
% CATS_HOME=install_dir  
export CATS_HOME
```

2. Add the tool directory to your search path.

- If you are using the C shell, add the following line to the `.cshrc` file:

```
set path=($CATS_HOME/scripts $path)
```

- If you are using the Bourne, Korn, or Bash shell, add the following line to the `.profile`, `.kshrc`, or `.bashrc` file:

```
PATH=($CATS_HOME/scripts: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 CATS installation.

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Verifying the CATS Installation

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

Verifying the CATS Installation

To verify the CATS installation:

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

```
% cd $HOME
```

2. Invoke the tool by entering one of the following commands on a licensed machine:

```
% cats
```

or

```
$ CATS
```

To invoke the tool without the graphical interface, enter

```
% unsetenv DISPLAY
```

```
$ CATS
```

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