

Cadabra Installation Guide

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SYNOPSIS®

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Installing Cadabra

Describes how to install *Cadabra* and perform initial configuration tasks.

This section covers the following topics:

Important: To view and print Cadabra documentation in Portable Document Format (PDF), you must have Adobe Acrobat Reader installed on your machine.

- [Media Availability and Supported Platforms](#)
- [Installing the Software](#)
- [Setting the Environment Variables](#)
- [Verifying the Cadabra Installation](#)

Media Availability and Supported Platforms

Cadabra is available on CD or by EST download. Obtain the appropriate binary executable files based on the operating system you need. [Table 1](#) shows the supported platforms for the C-2009.09 release.

Table 1 Supported Platforms and Keywords

Platform	Operating system	Synopsys platform keyword
AMD Opteron	Red Hat Enterprise Linux v4, v5 ¹	linux (32-bit mode) ²
IA-32 (X86)	Red Hat Enterprise Linux v4, v5 ¹	linux (32-bit mode) ²
Sun SPARC	Solaris 9, 10 ¹	sparcOS5 (32-bit mode)

Installing Cadabra

Installing the Software

Table 1 Supported Platforms and Keywords (Continued)

Platform	Operating system	Synopsys platform keyword
Intel EM64T	Suse Linux Enterprise Server 9, 10 ¹	suse32 (32-bit mode) ²

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

2. The 32-bit (x86) Linux software is binary compatible with Intel EM64T or AMD Opteron running Red Hat Enterprise Linux. Note, however, that binary compatibility is not guaranteed.

Installing the Software

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

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

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

Setting the Environment Variables

This section covers the following topics:

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

- [Setting the CADABRAHOME Environment Variable](#)
- [Setting the SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE Environment Variable](#)

Setting the CADABRAHOME Environment Variable

Follow these steps.

1. Set the `$CADABRAHOME` environment variable to point to your Cadabra installation subdirectory.

- If you are using the C shell, add the following line:

```
% setenv CADABRAHOME /u/edatools/cadabra-version
```

- If you are using the Bourne shell, add these lines:

```
% CADABRAHOME=/u/edatools/cadabra-version  
export CADABRAHOME
```

2. Add `$CADABRAHOME/bin` to your search path:

- If you are using the C shell, enter

```
set path=($CADABRAHOME/bin $path)
```

- If you are using the Bourne shell, enter

```
PATH=$CADABRAHOME/bin:$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` variable or another tool-specific variable before you can verify the Cadabra installation.

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

Verifying the Cadabra Installation

To verify the Cadabra installation,

Installing Cadabra

Verifying the Cadabra Installation

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

```
% cd $HOME
```
2. If you are using a display that is not local, set the `DISPLAY` environment variable.

```
% setenv DISPLAY my_display:0.0
```
3. Invoke the tool by entering:

```
% cadabra
```

If the product GUI appears, the installation was successful.
4. Exit the GUI by choosing File > Exit in any GUI window.

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