

# Leda Installation Notes

## Version Z-2007.09

### September 2007

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These installation notes present the latest information about installing Leda in the following sections.

This chapter contains the following sections:

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

See also <http://www.synopsys.com/install> for additional installation and licensing information.

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## Media Availability and Supported Platforms

When the Leda product software is initially released, it is available by electronic software transfer download. At a later date, it becomes available on DVD (or CD depending on image size). Obtain the appropriate binary executable files based on the operating system you need. [Table 1-1](#) shows the supported operating systems and keywords for this release. See [http://www.synopsys.com/products/sw\\_platform.html](http://www.synopsys.com/products/sw_platform.html) for latest information.

Table 1-1 Platforms and Keywords

Platform	Operating system	Synopsys platform keyword	Additional keywords <sup>1</sup>
AMD Opteron	Red Hat Enterprise Linux v3	amd64 (64-bit mode) linux (32-bit mode) <sup>2</sup>	amd64_32
EM64T	SUSE Enterprise Linux 9	suse64 (64-bit mode) suse32 (32-bit mode) <sup>2</sup>	suse64_32
IA-32 (X86)	Red Hat Enterprise Linux v3	linux (32-bit mode) <sup>2</sup>	
IBM RS/6000	AIX 5.3	rs6000 (32-bit mode)	
Sun SPARC	Solaris 9, 10 <sup>3</sup>	sparc64 (64-bit mode) sparcOS5 (32-bit mode)	sparc64_32

1. These keywords assume 64-bit compilation with 32-bit simulation.

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.

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

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## Installing the Software

Leda 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 Leda, see [“Synopsys Product File Download Methods” on page 1-17](#).

To install Leda by EST or from the DVD (or CD depending on image size), follow the procedures described in [“Installing Products with the Synopsys Installer” on page 1-29](#).

[Example 1-1 on page 1-35](#) shows a Synopsys media installation script for the synthesis tools. Leda is installed in a similar manner.

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

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## Setting the Environment Variables

This section discusses the following environment variables:

- LEDA\_PATH
- SNPSLMD\_LICENSE\_FILE

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

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### Setting the LEDA\_PATH Environment Variable

Follow these steps.

1. Set the LEDA\_PATH environment variable to point to the installation root directory.

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

```
% setenv LEDA_PATH /usr/synopsys/leda/version
```

- If you are using the Bourne shell, add these lines to the .profile or .bashrc file:

```
% LEDA_PATH=/usr/synopsys/leda/version  
export LEDA_PATH
```

2. Add \$LEDA\_PATH/bin to your search path.

- If you are using the C shell, enter

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

- If you are using the Bourne shell, enter

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

3. (Optional) To include the optional utilities shipped with Leda in the path, do the following:

- If you are using the C shell, enter

```
set path=($LEDA_PATH/bin \  
$LEDA_PATH/platform/bin \  
$LEDA_PATH/platform/utilities $path)
```

- If you are using the Bourne shell, enter

```
PATH=$LEDA_PATH/bin \  
$LEDA_PATH/platform/bin \  
$LEDA_PATH/platform/utilities $PATH  
export PATH
```

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## Setting the SNPSLMD\_LICENSE\_FILE Environment Variable

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE` variable before you can verify the Leda installation. See the *Synopsys Common Licensing Installation Notes* at <http://www.synopsys.com/install> for information about downloading and installing SCL.

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## Verifying the Leda Installation

To verify the Leda installation,

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

```
% leda $LEDA_PATH/test/mixed/src/*.v* -top top
```

If Leda creates a `leda.log` file in the current directory, the Leda installation was successful.

2. Run the GUI on each installed platform by entering

```
% leda
```

Click `demo` to verify that the Error Viewer is generated.

3. Exit the GUI by choosing `File > Exit`.