

Milkyway™ Environment Installation Notes

Version C-2009.06

June 8, 2009

These installation note present the latest information about Milkyway Environment version C-2009.06 in the following sections:

- [Media Availability and Supported Platforms](#)
- [Disk Space Requirements](#)
- [Installing the Software](#)
- [Setting Up the User Environment](#)
- [Specifying the Executable File Location](#)
- [Setting the SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE Environment Variable](#)
- [Configuring the Browser for Online Help](#)
- [Verifying the Milkyway Environment Installation](#)

Additional installation information can be found at
<http://www.synopsys.com/support/install>

Copyright © 2008 Synopsys, Inc. All rights reserved. See
<http://www.synopsys.com/copyright.html> for additional terms and conditions.

Media Availability and Supported Platforms

Milkyway Environment is available on CD or by EST. 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.

Table 1-1 Supported Operating Systems and Keywords

| Platform | Operating system | Platform keyword | Path keyword |
|-------------|---|--|----------------------|
| AMD Opteron | Red Hat Enterprise Linux v3, 4 ¹ | amd64 (64-bit mode) | AMD.64 |
| EM64T | SUSE Enterprise Linux 9 | suse64 (64-bit mode) suse32 (32-bit mode) | SUSE.64 SUSE.32 |
| IA-32 (x86) | Red Hat Enterprise Linux v3, 4 ¹ | linux | IA.32 |
| x86_64 | Solaris 10 | x86sol64 (64-bit mode) x86sol32 (32-bit mode) | x86sol64 x86sol32 |
| Sun SPARC | Solaris 9, 10 ¹ | sparcOS5 (32-bit) sparc64 (64-bit) | SUN.32 SUN.64 |

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

To install a product, select the appropriate platform keyword. To set an environment variable, select the appropriate path keyword (see [“Setting Up the User Environment” on page 1-3](#)).

Disk Space Requirements

The disk space requirement depends on the platform. [Table 1-2](#) shows the maximum space required for installing Milkyway Environment on a particular platform.

Table 1-2 Disk Space Requirements (in Megabytes)

| Operating system | Megabytes |
|--|-----------|
| Base size (including online Help files) | 500 |
| AMD Opteron Red Hat Enterprise (64-bit mode) | 90 |

Table 1-2 Disk Space Requirements (in Megabytes)

| Operating system | Megabytes |
|---|-----------|
| EM64T SUSE Enterprise Linux (32-bit mode) | 74 |
| EM64T SUSE Enterprise Linux (64-bit mode) | 80 |
| x86_64 | 100 |
| IA-32 (x86) Red Hat Enterprise v3 (32-bit mode) | 80 |
| Sun Solaris (32-bit mode) | 110 |
| Sun Solaris (64-bit mode) | 125 |

Installing the Software

Milkyway Environment 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 Milkyway Environment, see *Installing Synopsys Tools* at <http://www.synopsys.com/support/install>.

To install Milkyway Environment by EST or from the CD, follow the procedures described in *Installing Synopsys Tools* at <http://www.synopsys.com/support/install>.

Installing Synopsys Tools shows a Synopsys media installation script for the synthesis tools. Milkyway Environment is installed in a similar manner.

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

Setting Up the User Environment

To set up the user environment, you must specify the location of the executable file and set the license environment variable.

This section describes how to set up a local machine so that it can access the Synopsys software. Perform this procedure for each machine on the network.

Specifying the Executable File Location

To set up your machine,

- Update your environment variables by adding the following variables in your `.cshrc` file:

- If you are using the C shell, enter

```
set path=(install_dir/bin/platform $path)
```

- If you are using the Bourne, Korn, or Bash shell, enter

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

Replace *platform* with the appropriate path keyword (see [“Supported Operating Systems and Keywords” on page 1-2](#)).

Setting the SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE Environment Variable

You must install the SCL software and define the

SNPSLMD_LICENSE_FILE or LM_LICENSE_FILE

before you can verify the Astro installation.

For information about downloading and installing SCL, see *Installing Synopsys Tools*. For detailed instructions on setting the license variable, see *Installing Synopsys Tools*.

Configuring the Browser for Online Help

The online Help system is a browser-based HTML Help system designed for viewing in Firefox, Netscape, and Mozilla Web browsers. Supported versions include

- Firefox 1.0 and above (version 1.5 is preferred)
- Mozilla 1.3 and above (version 1.7 is preferred)
- Netscape 7.0 and above (Linux platforms only)

If you prefer to use other browsers, note the following limitations:

- Online Help does not work in Netscape 6.0. (Netscape 6.x browsers are not supported.)
- Online Help might work in Netscape 4.7x and 4.8, but these browsers are not supported. (Netscape 7 is preferred.)

- Although online Help might work in other browsers such as Internet Explorer or Opera, it is not tested or supported in these browsers.

Important:

When you use online Help from within the GUI, the directory containing the browser executable file must be in the search path specified by your UNIX or Linux \$PATH variable.

To change the default browser, use one of the following Scheme commands from within the GUI:

- For Mozilla
setHelpBrowser "mozilla"

or

setHelpBrowser *path/mozilla*
- For Mozilla Firefox
setHelpBrowser "firefox"

or

setHelpBrowser *path/firefox*

To view online Help in a browser,

1. Open a browser dialog box, navigate to the *install_dir/help/mw_help/* directory, and open the index.html file.

For example, in Firefox, choose File > Open File, and open the index.html file in the online Help directory, *install_dir/help/mw_help*.

2. Use the Search tab to locate specific commands.

To view online Help from the GUI,

1. In the GUI, click Scheme if it is not already selected.
2. To open the Help table of contents, at the GUI command line enter

```
help
```

3. To view a topic for a specific command, enter, for example,

```
help "geOpenLib"
```

This displays the Help topic for the
geOpenLib
command.

Verifying the Milkyway Environment Installation

To verify the Milkyway Environment installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering

```
% Milkyway -galaxy
```

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