

VMC C-2009.06 Installation Notes

This section contains installation instructions for the Synopsys Installer tool in the following sections:

- General Information
- Installation Procedure
- Using the Installer (EST / FTP Users Only)
- Installing From a CD

General Information

This document contains quick-start installation assistance for the Synopsys Installer downloaded from Synopsys by Electronic Software Transfer (EST).

For detailed installation and post-installation setup steps for most Synopsys software, see the Installation Guide. (This resource also includes CD installation assistance.)

To view or obtain the Installation Guide for the current release, go to

The Synopsys Installation Guide Web page at

<http://www.synopsys.com/install>

To obtain your latest Synopsys license key file, go to the SmartKeys Web page at

<http://www.synopsys.com/smartkeys>

For information on Synopsys licensing, including download information, setup help, and other documentation, see the Synopsys Licensing QuickStart Guide at <http://www.synopsys.com/keys>.

Installation Procedure

This section contains the following information:

- Installation Prerequisites
- Installing by Electronic Software Transfer (EST)

Installation Prerequisites

It is recommended that you log on as root or have system administrator privileges. Also, you must have write permission in the installation directory.

Installing by Electronic Software Transfer (EST)

1. Download the Synopsys Installer into a stand-alone directory.

The installer is backward compatible with all software that

- Uses the common installation method
- Is released on or after June 2004

Note: Download the latest version of the Synopsys Installer even if you downloaded the installer for a previous release.

Use your Synopsys user name and password to log in to the Synopsys EST / FTP site.

Example:

This example assumes that you are in the rev directory. If you are in another directory, for example, rev_o or auth, replace rev with the appropriate directory.

```
% mkdir -p /usr/synopsys/installer
% cd /usr/synopsys/installer
% ftp ftp.synopsys.com
220 Synopsys FTP server ready
Name: <your_synopsys_username>
Password: <your_synopsys_password>
230 User <your_synopsys_username> logged in.
ftp> binary
ftp> cd /rev #Go to the rev directory
ftp> ls #Look for the installer_v2.0 directory
ftp> cd installer_v2.0
ftp> get installer_v2.0.tar.Z
```

2. Uncompress and untar the installer:

```
% cat installer_v2.0.tar.Z | uncompress | tar xvf -
```

3. Make sure the files in the installer directory are executable.

```
% chmod -R 755 /usr/synopsys/installer
```

4. Add the installer directory to your UNIX path.

For the C Shell:

```
% set path=(/usr/synopsys/installer $path)
```

For the Bourne or Bash shell:

```
$ PATH=/usr/synopsys/installer:$PATH
```

```
$ export PATH
```

For EST/FTP users

1. Invoke the installer by using one of the following commands:

```
% installer #To use a text script
% installer -gui (or setup.sh) #To use a GUI
```

2. Answer the installer prompts.

When you are prompted to choose a target location for installing the software, do not select the temporary (source) files location. You must specify a new location.

For CD/DVD users

To mount a CD,

1. Place the CD in the CD-ROM drive.
2. Create a CD directory if necessary. For example, enter

```
% mkdir /cdrom
```

Note

For Solaris the /cdrom directory already exists, and the CD is automatically mounted at /cdrom/cdrom0.

For Red Hat Linux the /mnt/cdrom directory already exists, and the CD is automatically mounted at /mnt/cdrom.

3. If required, mount the CD by using the appropriate command for your particular operating system. For example, enter

```
% mount -o ro /dev/dsk/c0t1d0/cdrom
```

To install the software,

1. Move to the CD directory. For example, enter

```
% cd /cdrom/cdrom0
```

2. To install the software, enter one of the following commands. (You have the option of using either text prompts or a GUI.)

```
% installer (to use text prompts)
```

or

```
% installer -gui (or setup.sh) (to use a GUI)
```

3. Answer the installer prompts.

To unmount the CD,

1. Move to another directory. For example, enter

```
% cd /tmp
```

2. Unmount the CD by using the appropriate command for your particular operating system. For example, enter

```
% umount /cdrom
```

(This step is not required for Solaris or Red Hat Linux.)

3. Remove the CD from the drive.

Setting Up the Environment

Before you can create a model, you must set up your environment. You need the following to get started:

- 30 MB on your system
- Additional space for model development

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Note

Refer to the VMC Release Notes for the platform and operating system configuration.

You should set the following environment variables:

- **LMC_HOME** – set to the directory where VMC is installed.
- **VCS_HOME** – set to the directory that contains the VCS simulator.
- **LM_LICENSE_FILE** – set to the license file that contains the VMC and VCS licenses.
- **PATH** – Add the \$LMC_HOME/bin to the PATH variable.
- Set the shared library search path environment variable to \$LMC_HOME/lib/<platform>.lib.

The variable names are different for different platforms

- Solaris, Linux - **LD_LIBRARY_PATH**
- IBM AIX - **LIBPATH**

You should not set the VMC_HOME environment variable.

By default, VMC generates VMC models into the \$LMC_HOME/foundry directory. If you do not have write permission to that directory or you want to build your models in a location other than in \$LMC_HOME, then you must specify the location where you want VMC to put the model.

To set an alternate location, set the LMC_FOUNDRY_HOME environment variable as the alternate location.

```
% setenv LMC_FOUNDRY_HOME  
    your_alternate_location
```

Also set the LMC_PATH variable:

```
% setenv LMC_PATH $LMC_FOUNDRY_HOME/foundry
```

Additionally set LMC_CONFIG to:

```
% setenv LMC_CONFIG $LMC_FOUNDRY_HOME/data/platform.lmc
```

You should also copy over the design data that you will use during the tutorial.

1. Make a directory named “trng” somewhere in your account.
2. Issue the following command:

```
cd your_path/trng
```

3. Now issue this command:

```
cp -R $LMC_HOME/vmc/training/* .
```

You should see several labs in your new trng directory. If necessary, open the permissions so you will be able to work with the data.