

## VMC Installation Instructions

This document contains installation instructions for the VMC - Verilog Module Compiler tool version D-2009.12 in the following sections:

- General Information
- Installation Procedure
- Post-Installation Steps
- Supported Platforms and Required Operating System Patches

### **General Information**

This document contains quick-start installation assistance for product files 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>

To obtain information on supported platforms and required operating system patches, see "Post-Installation Steps" section of this document.

### **Installation Procedure**

This section contains the following information:

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

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## Installation Prerequisites

The instructions provided in the following section assume that you are downloading the files by FTP. If you prefer to download the files from the Web by using HTTPS or FTP, go to:

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

and click "HTTPS Authenticated Access" or "FTP Authenticated Access". It is recommended that you have system administrator privileges. Also, you must have write permission in the installation directory.

## Installing by Electronic Software Transfer (EST)

To download and install the software:

1. Download the required product files to a temporary directory. For most products, you will need to download:
  - A platform-independent (common) file, which contains files that are not platform dependent.
  - A platform file, which is specific to the operating system and hardware platform you will be using.
  - The Synopsys Installer, which includes the scripts for text or GUI installation. (To determine the latest installer version, see <http://www.synopsys.com/install/>. For more information on downloading and configuring the installer, see the installer\_INSTALL\_README.txt file in the rev/installer\_x.y directory, where x.y is the latest version of the installer.

### Note:

The Synopsys Installer is required only for products that have a "common" file. The installer needs to be downloaded only once per release and can be used to install all software with a "common" file.

### Download example:

```
% cd /usr/tmp/tmpdir1
% ftp ftp.synopsys.com
220 Synopsys FTP server ready
Name: <your_synopsys_username>
Password: <your_synopsys_password>
```

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230 User <your\_synopsys\_username> logged in.

```
ftp> binary
```

```
ftp> cd rev(Use "cd /auth" for patch releases or "cd /rev_o" for old
      releases)
```

```
ftp> cd vmc_vD-2009.12
```

```
ftp> get
```

```
vmc_INSTALL_README.txt
```

```
vmc_vD-2009.12_<platform>.tar
```

```
vmc_vD-2009.12_common.tar
```

```
checksum_info.txt
```

Where, <platform> is one or more of Linux, sparcOS5, sparc64, and so on.

The checksum\_info.txt file includes the following information:

CRC	Size	Filename
4233352349	17305600	product_version_common.tar
337166703	51103744	product_version_sparcOS5.tar

You can use the UNIX cksum command to validate the integrity of the downloaded files. For example,

```
UNIX> cksum product_version.common.tar
```

```
4233352349 17305600 product_version.common.tar
```

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### Note:

- It is no longer necessary to download the EST (or FTP) files for multiple products into a separate temporary directory. For specific product download instructions, see the SolvNet download center at:

<https://solvnet.synopsys.com/DownloadCenter/dc/product.jsp>

- Get the Synopsys Installer (if needed).

2. Add the installer directory to your UNIX path.

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

3. To install the software, enter one of the following installer commands:

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

If you invoked the installer from either the installer directory or a directory that does not contain product files (such as \$HOME), you will be prompted to provide a source path to the temporary directory containing the product files. If you invoke the installer from the temporary product file directory, you will not be asked to provide a source path.

4. Answer the installer prompts.

When you are prompted to choose a location for installing the software, do not select the temporary directory. You must specify a new location.

If you are installing multiple operating system platforms, you need to install the platform-independent package only once for each product. The platform-independent package contains files that are common to all the supported platforms.

If you encounter any installer problems, please see the SolvNet article "Synopsys Installer 2.x Troubleshooting" at:

<https://solvnet.synopsys.com/retrieve/023842.html>

5. After installation is complete, each user must modify the path, set a licensing variable, and set any product-specific variables. See the Post-Installation Steps section, below.

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## Post-Installation Steps

This section contains the following information:

- Setting up the User Environment
- Verifying the Tool Installation
- Supported Platforms and Required Operating System Patches

### Setting Up the User Environment

To set up your users, you must create a Synopsys source file, or modify each user's \$HOME setup files (typically .cshrc, .profile, .kshrc, or .bashrc), as follows. For tool-specific information, see "Setting Up <product\_name> for Each User" in the appropriate tool chapter in the Installation Guide.

1. Set SNPSLMD\_LICENSE\_FILE, LM\_LICENSE\_FILE, or a tool-specific licensing variable. This variable specifies the path to the Synopsys FLEXlm license server.

**Note:**

SNPSLMD\_LICENSE\_FILE is supported only for tools based on the Synopsys Common Licensing (SCL) snpslmd daemon. Earlier versions of Synopsys tools based on legacy daemons require that you set LM\_LICENSE\_FILE or another legacy licensing variable. If your environment includes earlier and more recent tool versions, consider setting SNPSLMD\_LICENSE\_FILE and LM\_LICENSE\_FILE to point to the SCL license servers.

In the following example, it is assumed that the Synopsys license server is using TCP port 27000, the default port. (However, you can specify another port by modifying the SERVER line of your site's key file, for example, "SERVER myserver 8308a297 26585".

**Example:**

\* Add to .cshrc

```
setenv SNPSLMD_LICENSE_FILE 27000@myserver
```

or

```
setenv LM_LICENSE_FILE 27000@myserver
```

\* Add to .profile, .kshrc, or .bashrc

```
SNPSLMD_LICENSE_FILE=27000@myserver; export SNPSLMD_LICENSE_FILE
```

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or

```
LM_LICENSE_FILE=27000@myserver; export LM_LICENSE_FILE
```

2. Add the tool executable files to the user path.

### **Example:**

\* Add to `.cshrc`:

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

\* Add to `.profile`, `.kshrc`, or `.bashrc`:

```
PATH=synopsys_root/bin:$PATH
```

```
export PATH
```

### **Note:**

The path to the executable bin directory will vary. For some tools, the appropriate directory is `synopsys_root/<platform>/<product>/bin`

3. Set any tool-specific variables. In many cases, tool-specific environment variables must be set. Typically, you need to set an environment variable that points to the root directory for the Synopsys tool.

### **Example:**

```
setenv SYNOPSIS /path/to/synopsys_root
```

### **Note:**

Not all tools use the `SYNOPSIS` environment variable. In some cases, other tool-specific variables must be set. See the Installation Guide for details.

## **Verifying the Tool Installation**

To verify that the Synopsys tools are installed correctly, see the appropriate tool chapter in the Installation Guide. The Installation Guide is available on the Web. For more information on how to access the Installation Guide, see the "General Information" section at the top of this document.

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## **Supported Platforms and Required Operating System Patches**

To use Synopsys tools successfully, you must

- Be running on a supported hardware platform
- Be using a supported operating system
- Have applied the required OS patches

For detailed information about supported platforms and operating system patches, go to

[http://www.synopsys.com/products/sw\\_platform.html](http://www.synopsys.com/products/sw_platform.html)

To obtain a matrix of supported operating systems by release, click Supported Operating Systems.

To obtain a list of required operating system patches, click the appropriate version link under Supported Platforms Guides.