

VMC Installation Notes

Version Y-2006.06

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

- [Media Availability and Supported Platforms](#)
- [Installing the Software](#)
- [Setting the Environment Variables](#)
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Note:

The installation instructions in this chapter are the most up-to-date available at the time of production. However, changes might have occurred. For the latest installation information, see the product release notes or documentation.

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

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Media Availability and Supported Platforms

When VMC 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 for latest information

Table 1-1 Platforms and Keywords

Platform	Operating system	Synopsys platform keyword	Additional keywords ¹
AMD Opteron	Red Hat Enterprise Linux v3	amd64 (64-bit mode) linux (32-bit mode) ²	amd64_32
HP PA-RISC 2.0	HP-UX 11.0	hp64 (64-bit mode) hp32 (32-bit mode)	hp64_32
IA-32 (X86)	Red Hat Enterprise Linux v3	linux (32-bit mode)	
IBM RS/6000	AIX 5.1.0	rs6000 (32-bit mode)	
Sun SPARC	Solaris 9, 10 ¹	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.

Installing the Software

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

To install VMC by EST or from the CD, 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. VMC is installed in a similar manner.

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

Setting the Environment Variables

This section discusses the following environment variables:

- LMC_HOME
- (Optional) LMC_USE_32BIT
- SNPSLMD_LICENSE_FILE

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

Setting the LMC_HOME Environment Variable

The `LMC_HOME` directory should point to the directory where you install VMC. Follow these steps.

1. Set the `LMC_HOME` 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 LMC_HOME /usr/synopsys/lmc/version
```

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

```
% LMC_HOME=/usr/synopsys/lmc/version  
export LMC_HOME
```

2. Add `$LMC_HOME/bin` to your search path.

- If you are using the C shell, enter

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

- If you are using the Bourne shell, enter

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

3. (Optional) If you have installed and want to run 32-bit executable files on a 64-bit platform, set the `LMC_USE_32BIT` environment variable to 1.

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

```
% setenv LMC_USE_32BIT 1
```

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

```
% LMC_USE_32BIT=1
```

```
export LMC_USE_32BIT
```

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, or another tool-specific variable before you can verify the VMC installation. See the *Synopsys Common Licensing Installation Notes* at <http://www.synopsys.com/install> for information about downloading and installing SCL.

Verifying the VMC Installation

To verify the VMC installation,

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

```
% cd $LMC_HOME/vmc/training/Any_Example_Lab
```

2. Run the DVE GUI on each installed platform by entering

```
% dve
```

3. Exit the GUI by choosing File > Exit in the DVE window.