

# Vera Installation Notes

## Version Z-2006.12

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

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

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

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## Media Availability and Supported Platforms

When Vera 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
AMD Opteron	Red Hat Enterprise Linux v3	amd64 (64-bit mode)
EM64T	SUSE Enterprise Linux 9	suse64 (64-bit mode)
IA-32 (X86)	SUSE Enterprise Linux 9	suse32 (32-bit mode)
IA-32 (X86)	Red Hat Enterprise Linux v3	linux (32-bit mode) <sup>1</sup>
IBM RS/6000	AIX 5.3	rs6000 (32-bit mode)
Sun SPARC	Solaris 9, 10 <sup>2</sup>	sparc64 (64-bit mode) sparcOS5 (32-bit mode)

1. 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.

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

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## Accessing Memory Beyond 2 GB With 32-Bit Tools

In general, UNIX-based systems support a maximum memory of 2 GB for 32-bit processes. However, the Vera tool can extend memory beyond 2 GB.

Note:

Available memory is space not used by the OS, the windowing system, or other applications.

To access memory beyond 2 GB,

1. Make sure your server has Solaris 9 (or later) loaded.
2. Make sure your server has at least 4 GB of memory (physical and swap space) available.

Note:

Physical memory equals data size plus stack size, and stack size is used before data size. Therefore setting stack size to a large value causes problems for designs that need to go over 2 GB. If you set the stack size too high, you cannot get enough memory for your data. To check the settings, use the `limit` command at the system prompt. For more information, see [“Configuring the Environment” on page 1-10](#).

3. Make sure the system you are using does not have restrictions that prevent you from using more than 2 GB of memory.
4. Create unlimited data size in the shell that you are using: C, Bourne, Korn, or Bash. If there are system-wide limits on the data size you can create, you can remove them or override them. You can do this in one of two ways:
  - Enter one of the following commands:
    - For the C shell,

```
% limit datasize 3800000
```
    - For the Bourne, Korn, or Bash shell,

```
# ulimit -s -d 3800000
```
  - Modify the kernel of your server. This approach allows everyone using your server to extend memory beyond 2 GB.

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## Installing the Software

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

To install Vera 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. Vera is installed in a similar manner.

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

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## Setting the Environment Variables

This section discusses the following environment variables:

- VERA\_HOME
- SNPSLMD\_LICENSE\_FILE or LM\_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 VERA\_HOME Environment Variable

Follow these steps.

1. Set the \$VERA\_HOME environment variable to point to your Vera installation directory.

- If you are using the C shell, add the following line:

```
setenv VERA_HOME install_dir
```

- If you are using the Bourne shell, enter these lines:

```
VERA_HOME=install_dir  
export VERA_HOME
```

2. Add \$VERA\_HOME/bin to your search path.

- If you are using the C shell, enter

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

- If you are using the Bourne shell, enter

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

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## 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 Vera installation. See the *Synopsys Common Licensing Installation Notes* at <http://www.synopsys.com/install> for information about downloading and installing SCL.

For information about Vera license queuing, see the *Vera Configuration Guide* at \$VERA\_HOME/docs/config.pdf.

If you are using a version of Vera earlier than 4.4, a special legacy licensing setup is required. Contact your local support center for details.

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## Customer Support

You can get support for Vera from the following locations:

- For technical Issues, enhancement requests, and feedback, contact Customer Support at [vera-support@synopsys.com](mailto:vera-support@synopsys.com)
- For documentation Issues, send e-mail to [vera-doc@synopsys.com](mailto:vera-doc@synopsys.com)
- For general information on Synopsys licensing, see <http://solvnet.synopsys.com/keys>

For information on Vera licensing, see the *Vera Configuration Guide*, which is packaged in Portable Document Format (PDF) with the product files.

