

# Installing MetroKit

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# Installing MetroKit

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This document describes how to install the MetroKit product.

**Note:**

The installation instructions in this document 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.

This document contains the following sections:

- [Media Availability and Supported Platforms](#)
- [Disk Space and Memory Requirements](#)
- [Installing the Software](#)
- [Setting Up the User Environment](#)
- [Verifying the Installation](#)

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## Media Availability and Supported Platforms

The tool is available by EST or on CD. Obtain the appropriate binary executable files based on the operating system you need. Table 1 shows the supported platforms for this release.

*Table 1 Platforms and Keywords for MetroKit*

Platform	Operating system	Synopsys platform keyword	Window environment
AMDOpteron	Red Hat Enterprise Linux v4, v5 <sup>1</sup>	amd64 (64-bit mode) linux (32-bit mode) <sup>2</sup>	GNOME
EMT64T and AMD Opteron	SUSE Enterprise Linux 9, 10	suse64 (64-bit mode)	GNOME
IA-32 (X86)	SUSE Enterprise Linux 9, 10	suse32	GNOME

1. *RHEL v5 is the binary compatible OS.*

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.*

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## Disk Space and Memory Requirements

The tool requires the following maximum disk space and minimum memory requirements.

Disk space	<b>Platform independent 24 MB</b> <b>Per platform 10 MB</b>
Physical memory	512 MB Recommended: 2+ GB
Swap space	1 GB Recommended: 2+ GB

## Installing the Software

MetroKit 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 the tool, see *Installing Synopsys Tools*, available at <http://www.synopsys.com/install>.

To install the tool by EST or from the CD, follow the procedures described in *Installing Synopsys Tools*.

*Installing Synopsys Tools* shows an example Synopsys media installation script for the synthesis tools. MetroKit is installed in a similar manner.

MetroKit requires that IC WorkBench Plus (ICWB Plus) A-2007.12-SP1-2 or later be installed as well. MetroKit is an add on product to ICWB Plus and therefore must be available in the Path. MetroKit will invoke ICWB Plus and dynamically load itself inside it. Note that both MetroKit and ICWB Plus licenses get checked out when you use MetroKit.

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## 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.

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### Specifying the Executable File Location

Add the MetroKit directory containing the executable file to the `PATH` environment variable.

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

```
setenv PATH METROKIT_HOME/bin:$PATH
```

where `METROKIT_HOME` refers to the MetroKit installation directory for your version of the tool.

- If you are using the Bourne, Korn, or Bash shell, add the following line to the `.profile`, `.kshrc`, or `.bashrc` file:

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

where `METROKIT_HOME` refers to the tool's installation directory.

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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 the tool installation.

For information about downloading and installing SCL and on setting the license variable, see [Installing Synopsys Tools](#).

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## Verifying the Installation

To verify the specific tool installation,

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

```
% cd $HOME
```

2. Invoke MetroKit by entering

```
% metrokit
```

MetroKit outputs standard release copyright information before launching the GUI. This standard information is similar to the following.

```
Proteus MetroKit  
A-2008.09.1391552 Production
```

```
*** Copyright (C) 1995 - 2008 Synopsys, Inc. ***  
*** This software and the associated documentation are ***  
*** confidential and proprietary to Synopsys, Inc. ***  
*** Your use or disclosure of this software is subject to ***  
*** the terms and conditions of a written license agreement ***  
*** between you, or your company, and Synopsys, Inc. ***  
Detected IC WorkBench+ version: A-2007.12-SP1-2.149926 (Production)
```

If the GUI appears, the installation was successful.