

Liberty™ NCX Installation Notes

Version A-2007.12

December 10, 2007

These installation notes present the latest information about Liberty NCX version A-2007.12 in the following sections:

- [Media Availability and Supported Platforms](#)
- [Disk Space and Memory Requirements](#)
- [Installing the Software](#)
- [Setting Up the User Environment](#)
- [Specifying the Executable File Location](#)
- [Setting the SNPSLMD_LICENSE_FILE Environment Variable](#)
- [Verifying the Liberty NCX Installation](#)

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

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Media Availability and Supported Platforms

Liberty NCX is available by EST download upon initial software release, and at a later date 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 platforms for the A-2007.12 release.

Table 1-1 Supported Operating Systems and Keywords

Platform	Operating system	Platform keyword	Path keyword
AMD Opteron	Red Hat Enterprise Linux v4, v5 ¹	amd64 (64-bit mode)	AMD.64
EM64T	SUSE Enterprise Linux 9, 10 ¹	suse64 (64-bit mode) suse32 (32-bit mode)	SUSE.64 SUSE.32
IA-32 (x86)	Red Hat Enterprise Linux v4, 5 ¹	linux	IA.32
Sun SPARC	Solaris 9, 10 ¹	sparcOS5 (32-bit) sparc64 (64-bit)	SUN.32 SUN.64

1. Binary-compatible hardware platform or operating system. Note, however, that binary compatibility is not guaranteed. See <http://www.synopsys.com/products/platforms/a-foundation.html> for the latest information.

Disk Space and Memory Requirements

The Liberty NCX tool has the following minimum memory requirements:

- Physical Memory – 256 MB (1 GB is recommended)
- Swap space – 512 MB (2 GB is recommended)

The disk space requirement varies, depending on the platform and tool selected for installation. During the installation process, Synopsys Installer displays the required disk space.

Installing the Software

Liberty NCX uses the Synopsys Installer tool, which allows you to use a text script or a graphical user interface (GUI). For information about downloading the Synopsys Installer and PrimeTime, see the document *Installing Synopsys Tools* at

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

To install Liberty NCX follow the procedures described in *Installing Synopsys Tools*. This document provides a Synopsys media installation script. Liberty NCX is installed in a similar manner.

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

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.

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

Specifying the Executable File Location

Add the Liberty NCX 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:

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

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

```
PATH=synopsys_root/platform/ncx/bin:$PATH  
export PATH
```

Note:

Replace `platform` with the appropriate platform (see [Table 1-1](#)).

Setting the `SNPSLMD_LICENSE_FILE` Environment Variable

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE` variable before you can verify the Liberty NCX installation.

For information about downloading SCL, installing SCL, or setting the license variable, see *Installing Synopsys Tools* at <http://www.synopsys.com/install>.

Setting the `SYNOPSYS_NCX_ROOT` Variable

To run the Model Adaptation System (library formatting) operations and the Library Quality Assurance System utility, you must set the path for the `SYNOPSYS_NCX_ROOT` variable in your `.cshrc` file and point it to the `NCX_Install_Directory/ncx` location. If you are using the C shell, add the following line to the `.cshrc` file:

```
setenv SYNOPSYS_NCX_ROOT path_to_NCX_Install_Directory/ncx
```

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

```
SYNOPSYS_NCX_ROOT = path_to_NCX_Install_Directory/ncx
export SYNOPSYS_NCX_ROOT
```

Verifying the Liberty NCX Installation

To verify the Liberty NCX installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering the following command on a licensed machine:

```
% ncx
```

If you see information about the product version, production date, and copyright, the installation was successful.