

# Astro, Astro Interactive Ultra, JupiterXT Installation Notes Version Z-2007.03-SP6 March 2007

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These installation notes present the latest information in the following sections:

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

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## Media Availability and Supported Platforms

The current versions of Astro, Astro Interactive Ultra, and JupiterXT tools are available 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 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 Supported Operating Systems and Keywords*

Platform	Operating system	Platform keyword	Path keyword
AMD Opteron	Red Hat Enterprise Linux v4, v5 <sup>1</sup>	amd64 (64-bit mode)	AMD.64
EM64T	SUSE Enterprise Linux 9, 10 <sup>1</sup>	suse64 (64-bit mode) suse32 (32-bit mode)	SUSE.64 SUSE.32
IA-32 (x86)	Red Hat Enterprise Linux v4, 5 <sup>1</sup>	linux	IA.32
Sun SPARC	Solaris 9, 10 <sup>1</sup>	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 latest information.*

To install a product, select the appropriate platform keyword. To set an environment variable, select the appropriate path keyword (see [“Setting Up the User Environment” on page 1-3](#)).

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## Disk Space Requirements

The disk space requirement varies depending on the platform and the tool selected for installation. [Table 1-2](#) shows the maximum space required for installing each product on a particular platform.

*Table 1-2 Disk Space Requirements*

Platform	Astro	JupiterXT	Astro Interactive Ultra
Base size	231 MB	280 MB	160 MB
AMD Opteron Red Hat Enterprise (64-bit mode)	321 MB	300 MB	384 MB

Table 1-2 Disk Space Requirements (Continued)

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Platform	Astro	JupiterXT	Astro Interactive Ultra
EM64T SUSE Enterprise Linux (32-bit mode)	570 MB	270 MB	370 MB
EM64T SUSE Enterprise Linux (64-bit mode)	600 MB	300 MB	380 MB
IA-32 (x86) Red Hat Enterprise (32-bit mode)	296 MB	300 MB	385 MB
Sun Solaris (32-bit mode)	427 MB	400 MB	432 MB
Sun Solaris (64-bit mode)	485 MB	470 MB	457 MB

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## Installing the Software

Although the following instructions specifically address the Astro tool, they also apply to Astro Interactive Ultra and JupiterXT.

Astro 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 Astro, see the document *Installing Synopsys Tools* at <http://www.synopsys.com/install>.

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

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

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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 directory containing the Astro executable file to the PATH environment variable.

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

```
set path=(astro_root/bin/platform $path)
```

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

```
PATH=astro_root/bin/platform:$PATH
export PATH
```

where *astro\_root* is the Astro root directory and *platform* is the appropriate hardware platform. (See [Table 1-1](#) for the appropriate platform path keyword.)

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## Setting the SNPSLMD\_LICENSE\_FILE or LM\_LICENSE\_FILE Environment Variables

You must install the SCL software and define the `SNPSLMD_LICENSE_FILE` or `LM_LICENSE_FILE` before you can verify the Astro installation.

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

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## Configuring the Browser for Online Help

The online Help system is a browser-based HTML Help system designed for viewing in Firefox, Netscape, and Mozilla Web browsers include the following:

Supported versions include

- Firefox 1.0 and above (version 1.5 is preferred)
- Mozilla 1.3 and above (version 1.7 is preferred)
- Netscape 7.0 and above (Linux platforms only)

If you prefer to use other browsers, note the following limitations:

- Online Help does not work in Netscape 6.0. (Netscape 6.x browsers are not supported.)
- Online Help might work in Netscape 4.7x and 4.8, but these browsers are not supported. (Netscape 7 is preferred.)
- Although online Help might work in other browsers such as Internet Explorer or Opera, it is not tested or supported in these browsers.

### Important:

When you use online Help from within the GUI, the directory containing the browser executable file must be in the search path specified by your UNIX or Linux `$PATH` variable.

To change the default browser, use one of the following Scheme commands from within the GUI:

- For Mozilla

```
setHelpBrowser "mozilla"
```

or

```
setHelpBrowser path/mozilla
```

- For Mozilla Firefox

```
setHelpBrowser "firefox"
```

or

```
setHelpBrowser path/firefox
```

To view online Help in a browser,

1. Open a browser dialog box, navigate to the *install\_dir/help/apf\_help/* directory, and open the index.html file.

For example, in Firefox, choose File > Open File, and open the index.html file in the online Help directory, *install\_dir/help/apf\_help*.

2. Use the Search tab to locate specific commands.

To view online Help from the GUI,

1. In the GUI, click Scheme if it is not already selected.
2. To open the Help table of contents, at the GUI command line enter

```
help
```

3. To view a topic for a specific command, enter, for example,

```
help "geOpenLib"
```

This displays the Help topic for the `geOpenLib` command.

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## Verifying the Installation

To verify the Astro installation,

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

```
% cd $HOME
```

2. Invoke the tool by entering one of the following commands on a licensed machine:

```
% astro_root/bin/platform/Astro (GUI mode)  
% astro_root/bin/platform/Astro -nullDisplay (null display mode)
```

where *astro\_root* is the Astro root directory and *platform* is the appropriate hardware platform. (See [Table 1-1](#) for the appropriate platform path keyword.)

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