

Synopsys Common Licensing Release Notes

Version 11.0

June 8, 2009

These release notes present the latest information about Synopsys Common Licensing version 11.0 in the following sections:

- [Installation Information](#)
- [New Features, Changes, and Enhancements](#)
- [Resolved STARs](#)

Installation Information

The 11.0 release of Synopsys Common Licensing is a stand-alone release and must be installed in an empty directory, using the latest version of the Synopsys Installer. Do not install this release over an existing release of a Synopsys tool.

For SCL configuration and start-up instructions, see *Starting the SCL Server on UNIX and Windows Systems* in the *Synopsys Common Licensing Administration Guide*, which is available at <http://www.synopsys.com/install>.

For troubleshooting assistance, see *Troubleshooting* in the *Licensing QuickStart Guide* at <http://www.synopsys.com/keys>.

To download SCL via Electronic Software Transfer, download the `scl_v11.0_common.tar` file and the platform-specific tar file you need. For example, for Solaris SPARC, you should download the `scl_v11.0_sparc64.tar` or the `scl_v11.0_sparcOS5.tar` file.

The Synopsys Installer defaults to the following root directory: `/usr/synopsys/SCL_11.0`.

Under this directory are additional directories, such as:
`/usr/synopsys/SCL_11.0/sparc64/bin/snpslmd`.

For the Windows platform, the default install directory is `C:\synopsys\SCL_11.0`.

After installation, the directory looks like this:
`C:\synopsys\SCL_11.0\windows\bin\snpslmd.exe`.

Synopsys also provides various dongle drivers (for `windows`, `linux`, and `amd64` platforms) required to use a dongle as a license server on Windows.

Drivers for the `windows` platforms are included under this directory:
`C:\synopsys\SCL_11.0\windows\drivers`

Drivers for the `linux` and `amd64` platforms are included under this directory:
`/usr/synopsys/SCL_11.0/<platform>/drivers`.

New Features, Changes, and Enhancements

Synopsys Common Licensing version 11.0 provides new features, changes, and enhancements as described in the following sections:

- [Support For the CHIPit Daemon](#)

- [Combined Vendor Daemon Operating System Support](#)
- [Issues Resolved in FLEXnet Version 11.6.1 and Other Recent FLEXnet Releases](#)

SCL 11.0 is based on FLEXnet 11.6.1, the standard licensing software provided by Acresso Software (formerly Macrovision, Inc.).

Support For the CHIPit Daemon

Both existing, unexpired, and new license keys for CHIPit products are available for retrieval via the Synopsys SmartKeys system.

Customers should download Synopsys Common Licensing (SCL) 11.0 or a higher version from Synopsys Electronic Software Transfer (EST) system. Combined vendor daemon License keys retrieved from SmartKeys for CHIPit products mandate the use of SCL 11.0 combined vendor daemon license release and updates to your licensing system. In addition, any new purchase of CHIPit products is available only in combined vendor daemon format. Combined vendor daemon provides a single license file and daemon for all Synopsys and acquired products. It serves license keys for legacy products and for products built with `snpslmd` encryption.

Instructions

To use the SCL combined vendor daemon license with the latest CHIPit license keys, follow the instructions in the subsections below.

- [“For Only The Chipit License \(Pdld\) Daemon” on page 1-3](#)
- [“For the CHIPit \(pdld\) and Synopsys License \(snpslmd\) Daemon On the Same License Server” on page 1-4](#)
- [“For Uncounted Node-Locked License Keys” on page 1-4](#)
- [“CHIPit License Key File Example” on page 1-4](#)

For Only The Chipit License (pdld) Daemon

Read these instructions if you have only the CHIPit license (pdld) daemon. Skip this subsection if you have installed both CHIPit and Synopsys license servers on the same machine and go to [“For the CHIPit \(pdld\) and Synopsys License \(snpslmd\) Daemon On the Same License Server” on page 1-4](#).

- Download SCL 11.0 from the Synopsys EST web site. Replace the CHIPit daemon (`pdld`) with the Synopsys (`snpslmd`) daemon (that is, stop the CHIPit daemon, and then start the Synopsys daemon provided). Note that the Synopsys daemon does not start if the CHIPit daemon is running on the same machine.

- Retrieve the latest key file from Synopsys SmartKeys. The new license file has keys for all of the products for which you are licensed. Your old CHIPit license file does not work with the Synopsys daemon.
- The SCL 11.0 Synopsys daemon serves license keys for the existing CHIPit products currently used in your environment.

For the CHIPit (`pdld`) and Synopsys License (`snpslmd`) Daemon On the Same License Server

Read these instructions if you have both the CHIPit (`pdld`) and Synopsys license (`snpslmd`) daemon on the same license server. This means that you have installed both CHIPit and Synopsys license servers on the same machine.

- Retrieve the latest key file from Synopsys SmartKeys. The new license file has keys for all the products for which you are licensed. Your old CHIPit license file does not work with the Synopsys daemon.
- Shutdown both CHIPit (`pdld`) and Synopsys license (`snpslmd`) daemons.
- Download SCL 11.0 from the Synopsys EST web site. Start the SCL 11.0 license daemon with the latest license file from SmartKeys. Note that the SCL 11.0 daemon does not start if the CHIPit daemon is running on the same machine.
- You cannot run both the `pdld` legacy daemon and the `snpslmd` combined vendor daemon on the same machine. If you want to continue using earlier versions of licenses from ProDesign you must host the license server on a separate machine.

For Uncounted Node-Locked License Keys

For uncounted node-locked license keys, you do not need a license server. You can just replace your expired uncounted node-locked license keys with the new file retrieved from Synopsys SmartKeys. The following example shows how a CHIPit license key file might look:

CHIPit License Key File Example

The following example shows how a CHIPit license key file might look:

```
SERVER hostname 83c9d24d 27000
VENDOR snpslmd <path to snpslmd>

INCREMENT chipit_hcdebug_iridium snpslmd 2009.03 28-apr-2009 10 \
  ISSUED=28-jan-2009 ck=52 SN=RK:248592:906528 \
  START=28-jan-2009 AUTH={ pdld=( SIGN="12DB \
  47F5 AC68 EACB 7572 4620 D6ED 8D0E 840E 4C29 727B 862F 3406 \
  929A C0C5 06BF 6009 2DDF 76B8 6D43 878A 2596 1DE3 762F C637 \
  590D 1ECF 0A1C D07F 8F5A") snpslmd=( LK=3DCA919C4E615986C742) \ }
```

Combined Vendor Daemons

The CHIPit daemon has been incorporated into SCL 11.0. The following table shows the legacy vendor daemons incorporated into SCL 11.0. Before starting SCL, these daemon processes must be shut down.

Table 1 Legacy Daemons Incorporated Into SCL 11.0

Acquired Company	Daemons
Analog Design Automation	adalmd
Avant! Corporation	anagram, avantd, chrysalisd, hscd, metasoftd, saber_dmn, tmalld
Innologic Systems, Inc.	innologd
Integrated Systems Engineering	ISE-TCADD
Legacy and other daemons	EPIC, everest, la_damon, leda, ssilmd, synopsysd, vcsd
Nassda Corporation	nassd
Numerical Technologies	numeritchd, TE_CATS, CADABRA
Placeholder for future OEM partners	snpsOEM2, snpsOEM3
SIGMA-C	sigmacd
Zenpire Corporation	snpsOEM1
Sandwork Design	sandwork
ArchPro Design Automation	archpro
CHIPit*	pdld

*This daemon was added in the 11.0 release. It is supported in version 11.0 only.

Combined Vendor Daemon Operating System Support

Table 2 provides a list of operating system platforms and license daemon support in SCL 11.0.

Table 2 List of OS Platforms and License Daemon Support in SCL 11.0

Operating System and Compute Platform	Synopsys Platform Keyword	Support for sandwork	Support for archpro	Support for pdld	All other Synopsys license daemons*
Sun Solaris SPARC - 32-bit	sparcOS5	No	No	Yes	Yes
Sun Solaris SPARC - 64-bit	sparc64	Yes	Yes	Yes	Yes
Red Hat Enterprise Linux x86 - 32-bit	linux	Yes	Yes	Yes	Yes
Red Hat Enterprise Linux x86 - 64-bit	amd64	Yes	Yes	Yes	Yes
SUSE Enterprise Linux x86 - 32-bit	suse32	Yes	Yes	Yes	Yes
SUSE Enterprise Linux x86 - 64-bit	suse64	Yes	Yes	Yes	Yes
Sun Solaris x86 - 32-bit	x86sol32	No	No	No	Yes
Sun Solaris x86 - 64-bit	x86sol64	Yes	No	No	Yes
Microsoft Windows XP Professional - 32-bit	windows	Yes	No	Yes	Yes
IBM RS6000 AIX - 32-bit	rs6000	No	No	No	Yes
IBM RS6000 AIX - 64-bit	aix64	No	No	No	Yes

*All other Synopsys license daemons (excluding archpro, pdld, and sandwork): adalmd, anagram, avantd, chrysalisd, hscd, metasoftd, saber_dmn, tmalld, innologd, ISE-TCADg, EPIC, everest, la_damon, leda, ssilmd, synopsysd, vcsd, nassd, numeritchd, TE_CATS, CADABRA, snpsOEM1, snpsOEM2, snpsOEM3, and sigmaacd.

Important: Note that HP-UX and Solaris 8 platforms are not supported in this release.

Issues Resolved in FLEXnet Version 11.6.1 and Other Recent FLEXnet Releases

The following issues have been resolved in FLEXnet version 11.6.1 and other recent FLEXnet releases:

- IOC-000054147: FLEXnet licensing version information is not returned. The command `lmstat -v` now returns the version of FLEXnet licensing.
- SIOA-000140759: The daemon crashes during automatic reread at midnight.
- IOA-000028733: Request to enhance the vendor daemon logging, so that unsupported error messages are not logged.
- IOA-000036911, IOA-000048731, and OA-002271: `lmgrd` crashes when set up as a Windows service. `lmgrd` fails to start when set up as a Windows service and when any of the following conditions is true:
 - There is no license file.
 - There is no SERVER line in the license file.
 - There is invalid syntax in the license file.

An error message that describes the reason for the failure is logged in the `lmgrd` log.

- IOB-000053512: Running `lmreread` causes the vendor daemon to hang. Running `lmreread` without any arguments causes all vendor daemons to reread their license files and their option files for changes. When the vendor daemon's options file contains an `INCLUDEALL` or `EXCLUDEALL` entry, this does not cause the vendor daemon to crash or hang.

Resolved STARS

The Synopsys Technical Action Requests (STARS) listed in the following table are resolved in Synopsys Common Licensing version 11.0.

Table 3 Resolved Synopsys Common Licensing STARS

STAR ID	Title
9000320417	Support For CHIPit License Daemon (pdld).
9000256484	The <code>sssverify</code> Utility Displays the <code>siteid</code> , <code>hostid</code> , and <code>date/time</code> Stamp Information From a License Key File.
