

Synopsys Common Licensing Release Notes Version 11.1

December 7, 2009

These release notes present the latest information about Synopsys Common Licensing version 11.1 in the following sections:

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

SCL version 11.1 is based on FLEXnet 11.6.1.6, the standard licensing software provided by Flexera Software, formerly Aceso Software.

Installation Information

The 11.1 release of Synopsys Common Licensing (SCL) is a standalone release and must be installed in a new, empty directory. Do not install this release over an existing release of SCL. SCL 11.1 includes all the bug fixes that have been made in the SCL 11.0 and earlier SCL releases.

For SCL configuration and startup instructions, see *Starting the SCL Server on UNIX and Windows Systems* in the *Synopsys Common Licensing Administration Guide*, which is included with the `scl_v11.1_common.tar` file. Once you install SCL, you will find the document in the `scl_root/doc` directory. It is also available on the Synopsys Documentation web site at <http://www.synopsys.com/Support/Pages/dow.aspx>.

To download SCL via Electronic Software Transfer, go to the Synopsys Downloads web site at <https://solvnet.synopsys.com/DownloadCenter/dc/product.jsp>, and download the `scl_v11.1_common.tar` file and the platform-specific tar file that you need. For example, for the AMD64 platform, you should download the `scl_v11.1_linux.tar` file or the `scl_v11.1_amd64.tar` file.

The Synopsys Installer defaults to the following root directory: `/usr/synopsys/SCL_11.1`.

This root directory has additional directories, such as,

`/usr/synopsys/SCL_11.1/docs`

`/usr/synopsys/SCL_11.1/platform/bin`

`/usr/synopsys/SCL_11.1/platform/drivers`

For the Windows platform, the default install directory is `C:\synopsys\SCL_11.1`. After installation, the directory looks like this: `C:\synopsys\SCL_11.1\windows\bin\snpslmd.exe`.

Synopsys also provides various dongle drivers for Windows and Linux that are required in order to be able to use a dongle as a license server on Windows.

Drivers for the Windows platforms are included under this directory:
`C:\synopsys\SCL_11.1\windows\drivers`.

Drivers for the Linux platforms are included under this directory:
`/usr/synopsys/SCL_11.1/linux_platform/drivers`.

New Features, Changes, and Enhancements

Synopsys Common Licensing version 11.1 provides new features, changes, and enhancements as described in the following sections:

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

Support for the Synplicity Daemon

This release provides support for the Synplicity daemon.

- Both existing, unexpired license keys and new license keys for Synplicity products are available for retrieval by using the Synopsys SmartKeys system at <http://solvnet.synopsys.com/SmartKeys>.
- Combined Vendor Daemon license keys retrieved from SmartKeys for Synplicity products require that you use the SCL version 11.1 of the Combined Vendor Daemon license daemon. You must update your licensing system to this release. In addition, any Synplicity products that are available for purchase now are available only in Combined Vendor Daemon format. The Combined Vendor Daemon provides a single license key file and daemon for all Synopsys products. It serves license keys for legacy products and for products built with the `snpslmd` vendor daemon encryption.
- 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.

Instructions for Using the Latest Synplicity License Keys

To use the SCL Combined Vendor Daemon license daemon with the latest Synplicity license keys, follow one of these two sets of instructions:

Instruction Set 1

Read these instructions if you have only the Synplicity license (`synplctyd`) daemon. Skip this section if you have installed both Synplicity and Synopsys license servers on the same machine and go to the next set of instructions.

- Download SCL version 11.1 from the Synopsys Electronic Software Transfer (EST) web site at <https://solvnet.synopsys.com/DownloadCenter/dc/product.jsp>. Replace the Synplicity (`synplctyd`) license daemon with the Synopsys (`snpslmd`) license daemon by stopping the Synplicity daemon and starting the provided Synopsys daemon. Note that the Synopsys daemon does not start if the Synplicity daemon is running on the same machine.
- Retrieve the latest license key file from Synopsys SmartKeys. This file has keys for all the products to which you are entitled. Your old Synplicity license file does not work with the Synopsys daemon.
- The SCL version 11.1 Synopsys daemon serves license keys for the Synplicity products that you currently use in your environment.

Instruction Set 2

Read these instructions if you installed both the Synplicity and Synopsys license servers on the same machine and therefore have both the Synplicity license daemon (`synplctyd`) and the Synopsys license daemon (`snpslmd`) on the same license server.

- Retrieve the latest license key file from Synopsys SmartKeys. This file has keys for both Synplicity and Synopsys products. The SCL version 11.1 license daemon serves license keys for both Synplicity and Synopsys products currently used in your environment.
- Shutdown both the Synplicity (`synplctyd`) license daemon and the Synopsys (`snpslmd`) license daemon.
- Download SCL version 11.1 from the Synopsys Electronic Software Transfer (EST) web site at <https://solvnet.synopsys.com/DownloadCenter/dc/product.jsp>. Start the SCL version 11.1 license daemon with the latest license key file from SmartKeys. Note that the SCL version 11.1 license daemon does not start if the Synplicity license daemon is running on the same machine.
- You cannot run both the legacy Synplicity (`synplctyd`) license daemon and the Combined Vendor Daemon (`snpslmd`) license daemon on the same machine. If you want to continue with earlier versions of licenses from Synplicity, you must host the license server on a separate machine.

Example of a Synplicity License Key File

The following example shows a Synplicity license key file:

```
SERVER hostname 83c9d24d 27000
```

```

VENDOR snpslmd <path to snpslmd>

INCREMENT identdebugger snpslmd 2010.12 31-dec-2010 2 \
  VENDOR_STRING=fpga SUPERSEDE ISSUED=01-jan-2009 ck=159 \
  SN=RK:4842-0:1067383:810881 START=01-Jun-2009 AUTH={ \
  synplctyd=( SIGN="02CD 753D C08C 8886 1AB2 940F 5E95 210D 5730 \
  AEF6 8F02 6BA3 50A0 9661 0A34 199D 4914 6598 BCA5 073C E214") }
INCREMENT synplify snpslmd 2010.12 31-dec-2010 4 \
  VENDOR_STRING=fpga SUPERSEDE ISSUED=01-jan-2009 ck=131 \
  SN=RK:4879-0:1067382:810881 START=01-Jun-2009 AUTH={ \
  synplctyd=( SIGN="0180 F773 0223 7569 C167 B7FB 26AB 9080 C9FB \
  526A B303 954C 79BE 0BB8 684F 7349 D66A C9C7 897E 87C5 E87C") }

```

OS Platform Support for Synplicity Combined Vendor Daemon Keys

SCL version 11.1 provides OS platform support for Synplicity Combined Vendor Daemon keys. [Table 1](#) shows the OS Platform support for Synplicity product keys.

Table 1 SCL Version 11.1 OS Platform Support for Synplicity Combined Vendor Daemon Keys

OS and Computer Platform	Synopsys Platform Keyword	Version	synplctyd 32-bit Daemon	SCL Version 11.1 Combined Vendor Daemon (snpslmd) 32-bit License Daemon	SCL Version 11.1 Combined Vendor Daemon (snpslmd) 64-bit License Daemon
Microsoft Windows — 32-bit	windows	2000	soft/dongle	Not tested but should work	
		XP	soft/dongle	soft/dongle	
		Vista	soft/dongle	soft/dongle	
		Server2003	soft/dongle	soft/dongle	
		Server2008	Not tested but should work	soft/dongle	
Microsoft Windows — 64-bit	windows	XP	soft/dongle	soft/dongle	
		Vista	soft/dongle	soft/dongle	
		Server2003	soft/dongle	soft/dongle	
		Server2008	Not tested but should work	soft/dongle	

Table 1 SCL Version 11.1 OS Platform Support for Synplicity Combined Vendor Daemon Keys

OS and Computer Platform	Synopsys Platform Keyword	Version	synplctyd 32-bit Daemon	SCL Version 11.1 Combined Vendor Daemon (snsplmd) 32-bit License Daemon	SCL Version 11.1 Combined Vendor Daemon (snpslmd) 64-bit License Daemon
Red Hat Enterprise Linux x86 — 32-bit	linux	3 4 5	soft/dongle soft/dongle soft/dongle	soft/dongle soft/dongle soft/dongle	
Red Hat Enterprise Linux x86-64 — 64-bit	amd64	3 4 5	soft/dongle soft/dongle soft/dongle	soft/dongle soft/dongle soft/dongle	soft soft soft
SUSE Linux Enterprise x86 — 32-bit	suse32	SLES9 SLES10	soft/dongle soft/dongle	soft/dongle soft/dongle	
SUSE Linux Enterprise x86-64 — 64-bit	suse64	SLES9 SLES10	soft/dongle soft/dongle	soft/dongle soft/dongle	soft soft
Sun Solaris SPARC — 32-bit	sparcOS5	8 9 10	soft soft soft	soft soft soft	
Sun Solaris SPARC — 64-bit	sparc64	8 9 10	soft soft soft	soft soft soft	
Sun Solaris x86 — 32-bit	x86sol32	10			
Sun Solaris x86-64 — 64-bit	x86sol64	10			
IBM AIX RS6000 — 32-bit	rs6000	6.1			
IBM AIX RS6000 — 64-bit	aix64	6.1			

Key:

	No support
--	------------

soft	Supports FLEXnet host ID
dongle	Supports FLEXnet and Sentinal dongle

Important:

- Support for the Solaris 8 and Red Hat Enterprise Linux 3 platforms will be discontinued in future SCL releases that occur on or after June 1, 2010.
- For Synplicity tools, if you have a dongle on a Linux platform, you must install the 32-bit daemon. You can run the 32-bit daemon on a 64-bit OS.
- For Synplicity tools, if you are using a Sun Solaris SPARC 64-bit platform, you must use the Sun SPARC 32-bit version of the SCL version 11.1 daemon because Synplicity Combined Vendor Daemon keys are supported only on the 32-bit version. If you prefer, you can move to the Red Hat Enterprise Linux 64-bit (`amd64`) platform by rehosting your license keys. In order to rehost keys, contact your Account Manager and execute a License Key Rehost Agreement.

Combined Vendor Daemons

The Synplicity daemon has been incorporated into SCL 11.1. [Table 2](#) shows the legacy vendor daemons incorporated into SCL version 11.1. Before starting SCL, these daemon processes must be shut down.

Table 2 SCL Version 11.1 Combined Vendor Daemon List

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, vcscd
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
CHIPit	pdld
Synplicity ¹	synplctyd

1. This daemon was added in the 11.1 release. It is supported in version 11.1 only.

Combined Vendor Daemon Operating System Support

Table 3 shows the list of OS platforms and license daemon support in SCL version 11.1.

Table 3 SCL Version 11.1 OS Combined Vendor Daemon OS Support

OS and Computer Platform	Synopsys Platform Keyword	Support for sandwork	Support for pdld	Support for synplctyd	All other Synopsys License Daemons ¹
Microsoft Windows XP Professional - 32-bit	windows	yes	yes	yes	yes
Red Hat Enterprise Linux x86 — 32-bit	linux	yes	yes	yes	yes
Red Hat Enterprise Linux x86-64 — 64-bit	amd64	yes	yes	yes	yes
SUSE Linux Enterprise x86 — 32-bit	suse32	yes	yes	yes	yes
SUSE Linux Enterprise x86-64 — 64-bit	suse64	yes	yes	yes	yes
Sun Solaris SPARC — 32-bit	sparcOS5	yes	yes	yes	yes
Sun Solaris SPARC — 64-bit	sparc64	yes	yes	no	yes
Sun Solaris x86 — 32-bit	x86sol32	no	no	no	yes
Sun Solaris x86-64 — 64-bit	x86sol64	yes	no	no	yes
IBM AIX RS6000 — 32-bit	rs6000	no	no	no	yes
IBM AIX RS6000 — 64-bit	aix64	no	no	no	yes

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

Important:

- Support for the Solaris 8 and Red Hat Enterprise Linux 3 platforms will be discontinued in future SCL releases that occur on or after June 1, 2010.
- For Synplicity tools, if you have a dongle on a Linux platform, you must install the 32-bit daemon. You can run the 32-bit daemon on a 64-bit OS.

- For Synplicity tools, if you are using a Sun Solaris SPARC 64-bit platform, you must use the Sun SPARC 32-bit version of the SCL version 11.1 daemon because Synplicity Combined Vendor Daemon keys are supported only on the 32-bit version. If you prefer, you can move to the Red Hat Enterprise Linux 64-bit (`amd64`) platform by rehosting your license keys. In order to rehost keys, contact your Account Manager and execute a License Key Rehost Agreement.

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:** In previous releases, FLEXnet licensing version information was not returned. The command `lmstat -v` now returns the version of FLEXnet licensing. The following example shows `lmstat -v` output:

```
% lmstat -v
lmstat - Copyright (c) 1989-2008 Acresso Software Inc. All Rights Reserved.
lmstat v11.6.1.0 build 66551 sun4_u8
```

- **SIOA-000140759:** In previous releases, the license daemon failed during automatic reread at midnight and restarted regularly at 12:00 a.m. The failure occurred when the server printed the license expiration warning messages at midnight. This problem has been fixed.
- **SIOA-000028733:** An enhancement of vendor daemon logging was requested so that `UNSUPPORTED` error messages are not logged.

Now, the `NOLOG` keyword in the end user options file can be used to suppress the logging of the selected type of event in the debug log file. The `NOLOG UNSUPPORTED` keyword suppresses “UNSUPPORTED” messages in the debug log that report a failure due to the feature being unsupported.

- **IOA-000036911, IOA-000048731, and IOA-002271:** In previous releases, the `lmgrd` license daemon failed when set up as a Windows service. The `lmgrd` license daemon failed to start when set up as a Windows service and when any of the following conditions were true:
 - There is no license file. For example:

```
14:41:10 (lmgrd) pid 1600
14:41:10 (lmgrd) license manager: can't initialize:Cannot find license file.
14:41:10 (lmgrd) The license files (or license server system network addresses)
attempted are
14:41:10 (lmgrd) listed below. Use LM_LICENSE_FILE to use a
different license file,
14:41:10 (lmgrd) or contact your software provider for a license file.
```

- There is no SERVER line in the license file. For example,

```
14:45:23 (lmgrd) pid 5696
14:45:23 (lmgrd) license manager: can't initialize:No SERVER lines in license file.
14:45:23 (lmgrd) License Path: "C:\Synopsys\SCL_11.1\admin\license\vaishali.d630.txt"
14:45:23 (lmgrd) FLEXnet Licensing error:-13,66
14:45:23 (lmgrd) For further information, refer to the FLEXnet
Licensing documentation,available at "www.acresso.com".
```

- There is invalid syntax in the license file. For example, if the “AUTH” code field is missing for a feature in the license file, the log file shows:

```
14:54:25 (snpslmd) Invalid license key (inconsistent authentication code)
```

- **IOB-000053512:** In previous releases, running the `lmreread` utility caused all vendor daemons to reread their license files and their option files for changes. When this occurred, if the vendor daemon’s options file contained an `INCLUDEALL` or `EXCLUDEALL` entry, it caused the vendor daemon to fail or suspend activity. This problem has been fixed.

Resolved STARs

The Synopsys Technical Action Requests (STARs) listed in [Table 4](#) are resolved in Synopsys Common Licensing version 11.1.

Table 4 Resolved Synopsys Common Licensing STARs

STAR ID	Title
9000351254	Support For Synplicity License Daemon (<code>synplctyd</code>)