

Synopsys[®] Common Licensing Release Notes

Version 2018.06

June 11, 2018

These release notes present the latest information about Synopsys Common Licensing version 2018.06 in the following sections:

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

Installation and Licensing Information

Synopsys Common Licensing version 2018.06 is a standalone release. You must install this release in an empty directory by using the latest version of the Synopsys Installer. Do not install this release over an existing release of a Synopsys tool. SCL version 2018.06 includes all the bug fixes and enhancements available in SCL version 2017.12 and earlier.

Installing on a Linux 64-Bit Platform

You should use the Synopsys Installer to install the SCL software. For SCL configuration and startup instructions, see Starting the SCL Server on Linux and Windows Systems in the *Synopsys Common Licensing Administration Guide* at:

- SCL_ROOT/doc
- <https://solvnet.synopsys.com/retrieve/2565217.html>

To download SCL via Electronic Software Transfer, download the `scl_v2018.06_common.spf` file and the platform-specific tar file. For example, for the Linux x86_64 platform, download the `scl_v2018.06_common.spf` file and the `scl_v2018.06_linux64.spf` file.

The default source directory for the Synopsys Installer is `/usr/synopsys/`. Under the source directory, Synopsys Installer automatically creates the correct SCL root directory, such as `/usr/synopsys/scl/2018.06`. Under this root directory are additional directories, such as `/usr/synopsys/scl/2018.06/linux64/bin`.

Installing on a Windows Platform

To download SCL via Electronic Software Transfer, download the `scl_v2018.06_windows.exe` file. Invoke this executable to install SCL. (SCL for Windows does not require the Synopsys Installer.)

The default installation directory is `C:\Synopsys\SCL\2018.06`. After installation, the path to the executable is `C:\Synopsys\SCL\2018.06\win32\snpslmd.exe`.

Obtaining Dongle Drivers

Synopsys also provides various dongle drivers for Windows and Linux that are required when you use a dongle as a license server.

Dongle drivers for the Windows platforms are included in the `C:\Synopsys\SCL\2018.06\win32\drivers` directory.

Dongle drivers for Linux are included in the `synopsys_root/linux64/drivers` directory. For example,

`/usr/synopsys/2018.06/linux64/drivers`

New Features, Enhancements, and Changes

Synopsys Common Licensing version 2018.06 provides the following new features, enhancements, and changes:

- [FlexNet Version Update to 11.14.1.3](#)
 - [Incorporated Legacy Vendor Daemons](#)
 - [Incorporated Legacy Daemon Support by Operating System](#)
 - [Change in SUSE Operating System Support](#)
 - [Addition of CentOS Operating System Support](#)
 - [Operating System Version Support by Platform](#)
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FlexNet Version Update to 11.14.1.3

FlexNet is the standard licensing software provided by Flexera Software. Synopsys Common Licensing version 2018.06 is based on FlexNet version 11.14.1.3.

Incorporated Legacy Vendor Daemons

[Table 1](#) shows the complete list of legacy vendor daemons incorporated into SCL version 2018.06. Before starting SCL, these daemon processes must be shut down.

Table 1 Legacy Daemons Incorporated Into SCL Version 2018.06

Acquired Company	Daemons
Analog Design Automation	adalmd
Atrenta Inc.	atrenta
Avant! Corporation	anagram, avantd, chrysalisd, hscd, metasoftd, saber_dmn, tmalld
CHIPit	pdld
CoWare, Inc.	cowared
EVE	eved
Extreme DA	extremed

Table 1 Legacy Daemons Incorporated Into SCL Version 2018.06 (Continued)

Acquired Company	Daemons
Hitachi High-Tech	SIINT
Innologic Systems, Inc.	innologd
Integrated Systems Engineering	ISE-TCADd
Legacy and other daemons	EPIC, ssilmd, synopsysd, vcsd
Magma Design Automation	ACAD, magma, rioc, TAVEREN, knights
Nassda Corporation	nassd
nSys Design Systems	nsysnvs
Numerical Technologies	numeritchd, TE_CATS, CADABRA
PerfectVIPs	perflmd
Placeholder for future OEM partners	snpsOEM2, snpsOEM3
Sandwork Design	sandwork
SIGMA-C	sigmacd
Simpleware	simple
SpringSoft	sclmgrd, snslmgrd
Synfora	synforad
Synplicity	synplctyd
Target Compiler Technologies	targetld
VaST Systems Technology Corporation	vastlmd
Virage Logic	arcd, mwflexd
WinterLogic	wlld
Zenpire Corporation	snpsOEM1

Incorporated Legacy Daemon Support by Operating System

[Table 2](#), [Table 3](#), [Table 4](#), and [Table 5](#) show the list of OS platforms and license daemon support in SCL version 2018.06.

Note:

The Sentinel SuperPro dongle is not supported on Windows platforms for server-based licenses. It is supported only for uncounted (serverless) licenses on Windows.

Table 2 Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 1

OS and hardware platform (Synopsys platform keyword)	License daemon support					
	sandwork	pdld	synplctyd	vastlmd	cowared	synforad
Red Hat Enterprise Linux x86 — 64-bit (linux64)	yes	yes	yes	yes	yes	yes
SUSE Linux Enterprise Server — 64-bit (suse64)	yes	yes	yes	yes	yes	yes
Microsoft Windows x86_64 — 32-bit (win32)	yes	yes	yes	yes	yes	yes

Table 3 Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 2

OS and hardware platform (Synopsys platform keyword)	License daemon support					
	arcd/ mwflexd	extremed	nsysnvs	ACAD	magma	riod
Red Hat Enterprise Linux x86 — 64-bit (linux64)	yes	yes	yes	yes	yes	yes
SUSE Linux Enterprise Server — 64-bit (suse64)	yes	yes	yes	yes	yes	yes
Microsoft Windows x86_64 — 32-bit (win32)	yes	no	yes	yes	yes	yes

Table 4 Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 3

OS and hardware platform (Synopsys platform keyword)	License daemon support				
	TAVEREN	sclmgrid	snslmgrid	eved	knights
Red Hat Enterprise Linux x86 — 64-bit (linux64)	yes	yes	yes	yes	yes

Table 4 Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 3 (Continued)

OS and hardware platform (Synopsys platform keyword)	License daemon support				
	TAVEREN	sclmgrd	snslmgrd	eved	knights
SUSE Linux Enterprise Server — 64-bit (suse64)	yes	yes	yes	yes	yes
Microsoft Windows x86_64 — 32-bit (win32)	yes	yes	yes	yes	yes

Table 5 Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 4

OS and hardware platform (Synopsys platform keyword)	License daemon support						
	perflmd	targetld	SIINT	atrenta	simple	wlld	All other Synopsys license daemons ¹
Red Hat Enterprise Linux x86 — 64-bit (linux64)	yes	yes	yes	yes	yes	yes	yes
SUSE Linux Enterprise Server — 64-bit (suse64)	yes	yes	yes	yes	yes	yes	yes

Table 5 *Supported Platforms, Operating Systems, and License Daemons in SCL Version 2018.06 Part 4 (Continued)*

OS and hardware platform (Synopsys platform keyword)	License daemon support						
	perflmd	targetld	SIINT	atrenta	simple	wlld	All other Synopsys license daemons ¹
Microsoft Windows x86_64 — 32-bit (win32)	yes	yes	yes	yes	yes	yes	yes

1. *All other Synopsys license daemons:* adalmd, anagram, avantd, chrysalisd, hscd, metasoftd, saber_dmn, tmald, innologd, ISE-TCADD, EPIC, ssilmd, synopsysd, vcscd, nascd, numeritchd, TE_CATS, CADABRA, snpsOEM1, and sigmacd.

Change in SUSE Operating System Support

Starting with SCL version 2018.06, SUSE platform users need to use SUSE Linux Enterprise Server version 11 SP4, 12, or 12 SP2. Synopsys no longer supports SUSE Linux Enterprise versions 11 SP1, 11 SP2, and 11 SP3. For more information, see the Release Specific Support Web page at www.synopsys.com/qsc.

Addition of CentOS Operating System Support

Starting with SCL version 2018.06, the CentOS operating system is now supported as a binary compatible operating system. For more information, see [SolvNet article 2821174](#), “Red Hat and CentOS Operating System Support Changes.”

Operating System Version Support by Platform

[Table 6](#) lists the changes in operating system and platform support in SCL version 2018.06.

Table 6 Operating System and Platform Support Changes

OS¹ and compute platform (Synopsys platform keyword)	Platform support in SCL version 2017.12	Platform support in SCL version 2018.06
Red Hat Enterprise Linux x86_64 — 32-bit (linux)	No Support	No Support
Red Hat Enterprise ² Linux x86_64 — 64-bit (linux64)	RHEL 5.7, 5.9, 6.2, 6.4, 6.5, 6.6, 7.1, 7.2, 7.3	RHEL 6.6, 6.7, 6.8, 7.1, 7.2, 7.3
SUSE Linux Enterprise Server x86_64 — 32-bit (suse32)	No Support	No Support
SUSE Linux Enterprise Server x86_64 — 64-bit (suse64)	SLES 11 SP1, 11 SP2, 11 SP3, 11 SP4, SLES 12	SLES 11 SP4, SLES 12, 12 SP2
Microsoft Windows x86_64 — 32-bit (win32)	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows 7, Windows 8, Windows 8.1, Windows 10	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows 7, Windows 8, Windows 8.1, Windows 10
IBM RS6000 AIX — 32-bit (rs6000)	No Support	No Support
IBM RS6000 AIX — 64-bit (aix64)	No Support	No Support
Sun SPARC Solaris — 32-bit (sparcOS5)	No Support	No Support
Sun SPARC Solaris — 64-bit (sparc64)	No Support	No Support

1. Synopsys build its products on a selected "base" version of each operating system. Operating system vendors guarantee that applications compiled on a lower minor version of an operating system are binary-compatible with higher minor versions of the same operating system. This means that an application supported on OS version X.Y should run on OS version X.Z. For example, a tool supported on RHEL 6.6 should also run on RHEL 6.8.

Synopsys also relies on the vendors' binary-compatibility claim on support across major versions. For example, a tool supported on RHEL 6.6 should also run on RHEL 7.3.

2. Starting with SCL version 2018.06, the CentOS operating system is supported as a binary compatible operating system.

Resolved STARs

Synopsys Common Licensing version 2018.06 resolves the Synopsys Technical Action Requests (STARs) listed in the following table.

Table 7 Resolved Synopsys Common Licensing STARs

STAR ID	Title
9001334997	Added support for Amazon EC2 and Microsoft AZURE virtual host IDs. VM_UUID (virtual machine host-ID type) is now supported in the SERVER line.