LucidShape Installation Guide

March 2017

SYNOPSYS[®]

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Chapter 1 Getting Started

This chapter lists system requirements for the LucidShape family of products and tells you how to contact LucidShape Support.

You can run LucidShape products using either a *fixed* license or a *floating* license. A fixed license allows you to run LucidShape only on the computer on which it is installed (see *Installing LucidShape with a Fixed License* on page 3). A floating license, which is installed on a network server, allows you to run LucidShape on any computer on the same network (see *Installing LucidShape with a Floating License* on page 11). The number of users that can use LucidShape concurrently is limited by the licensing software.

Although the examples in this document show and refer to the LucidShape product, the instructions apply to the entire LucidShape family of products, which includes:

- LucidShape
- LucidShape Lite
- LucidDrive Additional setup may be needed if you are installing LucidDrive Server/Client or LucidDrive Manual versions.
- LucidShape CAA V5 Based

System Requirements

To install LucidShape to run with either a fixed or floating license, you must have:

• A personal computer with any CPU with at least four cores from the last or second-last processor generation.

To get maximum performance from multi-threaded simulations, we recommend 4 or more CPU cores. LucidShape simulations make use of multi-threading, and a high number of cores or threads will enhance ray tracing speed; however, the most beneficial feature to take into consideration is a CPU with a very high single-thread frequency (or single-thread performance).

If Intel Hyper-Threading Technology is available on your computer, enabling it will further increase multi-threaded simulation performance.

- Operating System: Windows 7, 64-bit
- Random Access Memory (RAM): 8 GB minimum, 16 GB or more recommended
- GPU:
 - With GPUTrace: NVIDIA graphics card. In general, all graphics cards with a *compute* capability at 2.0 or later are supported. To check the supported versions of your graphics card, see the NVIDIA website.
 - Without GPUTrace: LucidShape does not require a special graphics card. If you are purchasing graphics cards, contact LucidShape Support for the latest recommendations.
- Free disk space on the *system drive* (i.e., the drive on which the operating system is installed) for prerequisite software: 10 GB

Large models and complex analyses may require significantly more disk space. If LucidShape is installed on a drive other than the system drive, that drive should also have at least 10 GB free disk space.

• Free disk space as listed for the LucidShape product you are installing:

Product	Disk Space
LucidShape	1.5 GB
LucidShape Lite	380 MB
LucidDrive	1.4 GB
LucidShape CAA V5 Based	600 MB
Saved files (CAD, .lug, .lid, etc.)	10 to 50 GB

- License keys provided by Synopsys OSG via SolvNet SmartKeys.
- License dongle
- Display:
 - A high-resolution monitor (1280 x 1024 or better) with 16-bit (65536) colors or more
 - An OpenGL compliant graphics card with stable ICD driver support recommended. We recommend that you always use the latest version of the driver for your graphics card.
- A DVD drive, if installing from a DVD

If you are installing LucidShape CAA V5 Based, you must also have CATIA V5 R24

If you will be running LucidShape with a floating license, you must also have:

- TCP/IP network protocol
- OSG Floating License Manager (a Sentinel RMS license manager that has been customized for Synopsys OSG software), provided by Synopsys OSG via SolvNet.

Contacting LucidShape Support

If you need help or have questions about LucidShape products that are not answered in the documentation or online help:

• The LucidShape Support team is available from 9 a.m. to 5p.m. MEZ Time (UTC + 1).

Telephone +49-5251-681-500

Email: lucidshape_support@synopsys.com

• For customers working with distributors, please contact your local LucidShape software distributor for support. See the Synopsys Optical Solutions Group Global Contacts page for contact information.

Chapter 2 Installing LucidShape with a Fixed License

You can run LucidShape products using either a *fixed* license or a *floating* license. This chapter describes how to install the product to run using a fixed license, which allows you to run LucidShape only on the computer on which it is installed.

These instructions assume that you have already downloaded LucidShape from the Synopsys SolvNet website or that you ordered and received a LucidShape DVD. If you have not done so, see *Using Synopsys SolvNet to Obtain LucidShape Software and Licenses* on page 33.

Installing LucidShape

- 1. Log on to your computer as Administrator.
- 2. Navigate to the folder where the LucidShape setup file is located. If you have a DVD, insert it into the DVD drive and navigate to that drive.
- 3. Double-click the setup file (e.g., SetupLucidShape_version.exe)

where *version* is the version number for the release (e.g., SetupLucidShape_2017.03.exe).

The Setup window is displayed at the License Agreement screen.

🔮 LucidShape 2017.03 Setup	×
License Agreement Please review the license terms before installing LucidShape 2017.03.	2
Press Page Down to see the rest of the agreement.	
SYNOPSYS END-USER SOFTWARE LICENSE AND MAINTENANCE AGREEMENT (OPTICAL SOLUTIONS PRODUCTS)	
This agreement covers the Optical Solutions Products and related services you license (or purchase) from Synopsys or a Synopsys designated distributor, regardless of any other agreement you may have with Synopsys or with any entity acquired by Synopsys (including Optical Research Associates or RSoft Design Group, Inc.). This agreement also supersedes and replaces any license agreement that may be provided with the Optical Solutions Products including	
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install LucidShape 2017.03.	
LucidShape 2017.03	

4. Click I Agree to continue.

The Choose Install Location screen is displayed.

LucidShape 2017.03 Setup	
Choose Install Location	
Choose the folder in which to install LucidShape 2017.03.	<u></u>
Setup will install LucidShape 2017.03 in the following folder. To install in a di click Browse and select another folder. Click Install to start the installation.	fferent folder,
Destination Folder	
c:\LucidShape	Browse
Space required: 1.3GB	
Space available: 10.3GB	
Lucid5bane 2017.03	

5. Use the default location and click Next (for LucidShape CAA V5 Based) or click Install (for all other LucidShape products).



Note: If an earlier release of LucidShape was installed, the default location will be set to the path used for that release. If you want to install the program in a different folder, click the Browse button to locate and specify that folder.

If you are installing a LucidShape product *other than* LucidShape CAA V5 Based, the Setup window shows the progress of the installation; skip to step 10 on page 6.

If you are installing the LucidShape CAA V5 Based product, the Choose CATIA Installation Directory screen is displayed; continue with the following steps.

The Choose CATIA Installation Directory screen allows you to associate the LucidShape CAA product with a specific CATIA installation. If a CATIA installation folder was detected, the path to that folder is displayed in the input field. If CATIA is *not* installed on the same computer, or if CATIA is managed by a third-party tool that maintains configurations and versions, the input field may be blank, and you may need to perform additional steps to complete your installation. See *Troubleshooting the LucidShape CAA V5 Based Installation* on page 45 for details.

- 6. If you need to specify or want to change the CATIA installation folder, edit the path or click the Browse button to navigate to it and select it.
- 7. Click Next to continue.

Choose CATIA Ins Choose the CATIA I product should be a Setup will associate folder. If there was CATIA V5 R24 insta	tallation Directory /5 R24 installation fo ssociated. LucidShape CAA V5 I no installation folder lation folder, click Bri	/ Ider with which the Based with the fol found, or if you v owse to select a fi	e LucidShape CAA V5 lowing CATIA V5 R24 would like to specify a older. Click Next to co	Based Installation different ntinue.
Choose the CATIA product should be a Setup will associate folder. If there was CATIA V5 R24 insta	/5 R24 installation fo ssociated. LucidShape CAA V5 i no installation folder lation folder, click Bri	lder with which the Based with the fol found, or if you v owse to select a fi	e LucidShape CAA V5 lowing CATIA V5 R24 would like to specify a older. Click Next to co	Based nstallation different ntinue,
Setup will associate folder. If there was CATIA V5 R24 insta	LucidShape CAA V5 I no installation folder lation folder, click Bro	Based with the fol found, or if you v owse to select a fo	lowing CATIA V5 R24 would like to specify a older. Click Next to co	nstallation different ntinue.
CATIA V5 R24 Ins	tallation Directory		Brau	
C: IDS (64)824			Brov	vse

The Choose Public Data Location screen is displayed. This allows you to specify a location for installing public data, such as example model files. To allow interactive use of these files, choose a folder for which you have write permission. The default location is C:\Users\Public\Documents\LucidShapeCAA\R24\[version].

🕹 LucidShape CAA V5 Based R24 - 2017.03 Setup
Choose Public Data Location Choose the folder to install LucidShape CAA public data, such as example model files.
Setup will prepare the following folder for public data. To specify a different folder, click Browse and select another folder. Click Install to continue.
Public Data Folder C:\Users\Public\Documents\LucidShapeCAA\R24\2017.03 Browse
Space required: 600.2MB Space available: 5.8GB
LucidShape CAA V5 Based R24 - 2017.03

- 8. To specify a different folder, edit the path or click the Browse button to navigate to it and select it.
- 9. Click Install.

The Setup window shows the progress of the installation.

😪 LucidShape 2017.03 Setup	
Installing Please wait while LucidShape 2017.03 is being installed.	2
Extract: FF5 .lug	
Show details	

When the process is complete, Installation Complete is displayed in the Setup window.

Installation Complete			-
Setup was completed successfully.			
Completed			
Show details			
widChang 2017 02			
Juna) lahe 2017-09			

10. For LucidShape CAA, this is the final screen in the installation wizard. Click Close and skip to step 12. For all other LucidShape products, click Next to exit the LucidShape installation wizard.

The Completing the LucidShape Setup Wizard is displayed.

CucidShape 2017.03 Setup	
	Completing the LucidShape Setup Wizard
	LucidShape 2017.03 has been installed on your computer.
	Click Finish to close this wizard.
Lucid Shape Computer Aided Lighting	
	< Back Finish Cancel

11. Click Finish.

The installation is complete.

12. If you already have a license key for this product, skip to *Installing a License Key for a Fixed License* on page 8. If you do not yet have a license key, continue with *Obtaining the Host ID for a License Dongle* on page 6.

Obtaining the Host ID for a License Dongle

A license key is designed to work for only one USB dongle, so the license key is associated with a unique value encoded on the dongle called a *Host ID*. Because of this, you need to know the Host ID for the license dongle before you can retrieve a license key. The Host ID is printed on a label on the USB dongle; if you're unable to read the ID on the label, you can also obtain the Host ID by running a program that reads it from the dongle. In the LucidShape installation, the GetHostID utility is provided for this purpose. Follow these steps to run GetHostID.

- 1. Insert the USB dongle in an active USB port. A light glows at the end of the dongle when it's inserted correctly in an active USB port.
- 2. Select the Windows Start menu, expand the LucidShape group and select GetHostID, shown in the following figure.



The GetHostID utility is displayed.

Linda .	
GetHostID Version 10.0.3443595	
Dongle Host ID	
Read the Host ID from a USB dongle. Be sure and the dongle device driver are properly insta this option. Click the Read Dongle Host ID bu is not displayed below.	that the dongle lled before using tton if the Host ID
Read Dongle Host ID	
400-*ММММММММММММ	
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S	r this computer. Support.
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S C:\Users\Public\Desktop\HostIDs.txt	r this computer. Support.
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S C:\Users\Public\Desktop\HostIDs.txt Write Host ID File	r this computer. iupport.
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID	r this computer.
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID 4-*XXXXXXXXXX	this computer.
Create a file with a complete set of Host IDs fo Use this option only if requested by Customer S C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID 4-*XXXXXXXXX	this computer.

In this example, the Host ID for the USB dongle is 400-*MMMMMMMMMMMMM.

- 3. Copy the Host ID to use when you retrieve your license key on the Synopsys SolvNet website. See *Retrieving License Keys* on page 41 for instructions.
- 4. Click Done to close the GetHostID utility.

After you retrieve your license key, go to *Installing a License Key for a Fixed License* on page 8 in this guide.

Installing a License Key for a Fixed License

To install the license key for a LucidShape product, you must have:

- LucidShape installed
- A license dongle
- A valid license key. This procedure assumes that you have already obtained a license key from the SolvNet SmartKeys web page. If you have not done so, see *Retrieving License Keys* on page 41 for instructions.

Follow these steps to set up licensing for the LucidShape product.

- 1. Insert the license dongle in an active USB port. A light glows at the end of the dongle when it's inserted correctly in an active USB port.
- If you're installing LucidShape CAA V5 Based, select the Windows Start menu and select All Programs > LucidShape CAA V5 Based > R24 > version > Fixed License Installer

 (e.g., Start > All Programs > LucidShape CAA V5 Based > R24 > 2017.03 > Fixed License
 Installer. The Fixed License Installer is displayed. Skip to step 5 on page 9.

If you're installing any other LucidShape product, skip step 2 and go to step 3.

 Start LucidShape. To do this, you can double-click the shortcut icon on the desktop or select the Windows Start menu and select All Programs > LucidShape > version > LucidShape (e.g., Start > All Programs > LucidShape > 2017.03 > LucidShape).



The License Check Failed dialog box is displayed, indicating that a valid license key file was not found.

LucidShape 2017.03; License check failed
The module Shape is invalid The Studio license key for interactive design is invalid! Cannot execute this LucidShape application! Feature Shape reported error Error Number: 18a occurred at 17:40:17 on Monday, February 13, 2017 License file not found. Use the Fixed License Installer to install the license file for this version of LucidShape. If you do not have a valid license file for this version, contact LucidShape Support or your software distributor.
Cancel Install License

4. Click Install License.

The Fixed License Installer is displayed.

Fixed License Installer Version 1.7	
Application: LucidShape 2017.03	
Install Fixed License File	
V Start Application After Installing License File	
Install	

- 5. Click the Browse button .
- 6. In the Open dialog box, navigate to the license key file, select it, and click Open.

The Open dialog box is closed, and the path to the license key file is shown in the Fixed License Installer.

Fixed License Installer Version 1.7	- 0	×
Application: LucidShape 2017.03		
Install Fixed License File		
C:\Users\admin\Downloads\LucidShape.license.Ex	P	ו
V Start Application After Installing License File		
Install		

7. Click the Install button.

The license key is installed, and the Success dialog box is displayed.



8. Click OK.

LucidShape starts automatically.

CHAPTER 2 Installing LucidShape with a Fixed License

Chapter 3 Installing LucidShape with a Floating License

You can run LucidShape products using either a *fixed* license or a *floating* license. This chapter describes how to install the product to run using a floating license on a network server, which allows you to run LucidShape on any computer on the same network, and describes how to install LucidShape on one or more client machines. The number of users that can use LucidShape concurrently is limited to a predetermined number by the licensing software.

The floating license capability is supported by the OSG Floating License Manager, which is a Sentinel RMS license manager that has been customized for Synopsys OSG software. If you install other Synopsys OSG software products, they will share the same license management software, and their license keys will be written to the same license key file. The applications cannot share licenses; they share only the license server software.



Note: Installing a floating license requires system-administration-level training and should be performed by someone who is familiar with your network structure. To perform this installation, you must be logged on as administrator.

The steps for installing LucidShape to run with a floating license are:

- 1. Selecting a License Server on page 11
- 2. Installing the OSG Floating License Manager on the License Server on page 12
- 3. Installing a License Key for a Floating License on page 21
- 4. Installing LucidShape on Client Machines on page 22
- 5. Enabling the Floating License on page 26
- 6. Administering Floating Licenses on page 27

Selecting a License Server

Before installing any software, you must identify the computer that will act as the license server. This must be a computer connected to a network that can grant access to one or more client machines.



Note: By default, the License Server communicates via port 5093. If you will be running LucidShape across different subnets, you will have to configure your routers or firewalls to allow two-way communication across this port.

Installing the OSG Floating License Manager on the License Server

To run this version of LucidShape, you must have the OSG Floating License Manager, which is provided on the SolvNet website on the same Downloads page as the product software. (See *Using Synopsys SolvNet to Obtain LucidShape Software and Licenses* on page 33 for details.) Follow these steps to install the OSG Floating License Manager on the license server.



Note: If you have a different version of the Sentinel RMS software (e.g., 8.4.1, 8.6.1), you must first uninstall the older version, as described below.

Before You Begin: To uninstall an earlier version of the Sentinel RMS software, click the Windows Start menu, and click **Control Panel > Programs > Programs and Features**. Uninstall the following two programs: ORA Floating License Manager Admin Tools and Sentinel RMS License Manager, shown in the following figure. (This example shows files from version 8.4.1.)



- 1. Log on to the license server with administrator privileges.
- 2. Navigate to the folder where the setup file is located.
- 3. Double-click the setup file FloatingLM.exe.

The WinZip Self-Extractor for the OSG Floating License Manager installation is displayed.

WinZip Self-Extractor - FloatingLM.exe	
OSG Floating License Manager installation	Setup
Click Setup to begin.	Cancel
	About

4. Click Setup.

The Welcome screen for the OSG Floating Manager Admin Tools wizard is displayed.



5. Click Next.

The License Agreement screen for the OSG Floating License Manager Admin Tools is displayed.



6. Click the I Accept option and click Next to continue.

The Ready to Install screen is displayed.

🗒 OSG Floating License Manager Admin Tools 8.6.1 - InstallShield Wizard	×
Ready to Install the Program	
The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click Ca exit the wizard.	ancel to
InstallShield	
< Back Install	Cancel

7. Click Install.

The progress screen is displayed while the software is installed.

😸 OSG Floa	ting License Manager Admin Tools 8.6.1 - InstallShield Wizard 👝 💿 💌
Installing The prog	OSG Floating License Manager Admin Tools 8.5.1 gram features you selected are being installed.
P	Please wait while the InstallShield Wizard installs OSG Floating License Manager Admin Tools 8.6.1. This may take several minutes.
	Status:
	Installing Sentinel drivers
InstallShield -	
	< Back Next > Cancel

8. Accept the default values for all questions.

The Welcome screen for the Sentinel RMS License Manager is displayed.



9. Click Next.

The License Agreement screen for the Sentinel RMS License Manager wizard is displayed.

😸 Sentinel RMS License Manager 8.6.1 - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	ЛS
License Grant/Warranty for Software	^
This License describes limited rights granted by SafeNet, Inc. and/or one of it subsidiaries (such grantor, "Seller") to the Buyer.	s
A. The term "Software", as used herein, shall mean a program or programs consisting of machine readable logical instruction and tables of information designed as libraries or drivers to work in conjunction with Seller's Sentinel Keys ("Products"). Title to all Software furnished to Buyer hereunder shall remain in Sollar Sollar scale to Buyer a new chronic production.	*
I accept the terms in the license agreement Print	
I do not accept the terms in the license agreement	
InstallShield	
< Back Next > Cance	

10. Click the I Accept option and then click Next to continue.

The Customer Information dialog box is displayed.

B Sentinel RMS License Manager 8.6.1 - InstallShield Wizard	×
Customer Information Ser	tinel RMS
Please enter your information.	
User Name:	
admin	
Organization:	
MyCompany	
Install this application for:	
Anyone who uses this computer (all users)	
 Only for me (admin) 	
InstallShield	
< Back Nex	t > Cancel

11. Click Next to accept the defaults and continue.

The Destination Folder screen is displayed.

🙀 Sentinel	RMS License Manager 8.6.1	- InstallShield Wi	zard	— ———————————————————————————————————
Destinat	on Folder		Sentin	el RMS
Click Ne: or click (kt to continue installing to the f Thange to install to a different	following folder, folder.		
B	Install Sentinel RMS License I C:\Program Files (x86)\Comn RMS License Manager\	Manager 8.6.1 to: non Files\SafeNet :	Sentinel\Sentinel	Change
InstallShield -				
		< Back	Next >	Cancel

12. Click Next to accept the default and continue.

The Setup Type screen is displayed.

Setup Type Choose the set	up type that best suits your needs.
Please select a	setup type.
Complete	All program features will be installed. (Requires the most disk space.)
Custom	Choose which program features you want installed and where they will be installed. Recommended for advanced users.
stallShield	

13. Click Next to accept Complete (recommended) and continue.

The System Firewall Settings screen is displayed.



14. Click Next (recommended).

If you choose to change the setting on this screen, see *Network Firewall Settings* on page 19 before proceeding.

The Ready to Install screen is displayed.

😸 Sentinel RMS License Manager 8.6.1 - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to perform selected operation.	I.RMS
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click exit the wizard.	Cancel to
TestsIChield	
A Iscalioniero	Cancel

15. Click Install.

The progress screen is displayed while the software is installed.

When the installation is finished, the Completed screen for the Sentinel License Manager is displayed.



16. Click Finish.

The Completed screen for the OSG Floating License Manager Admin Tools is displayed.



17. Click Finish.

The installation is complete.

18. Reboot your computer if prompted to do so.

If you already have a license key for this product, skip to *Installing a License Key for a Floating License* on page 21. If you do not yet have a license key, continue with *Obtaining the Host ID for a License Dongle* on page 20.

Network Firewall Settings

By default, installing the Sentinel RMS Floating License Manager adds one or more inbound rules for the executable (lservnt.exe).

I Windows Firewall with Advanced S	ecurity					
File Action View Help						
🗢 🄿 🞽 🖬 😖 🚺 🗊						
I Windows Firewall with Advanced	Inbound Rules					
Inbound Rules	Name	Group	Profile	Enabled	Action	-
Connection Security Rules	Sentinel RMS License Manager		All	Yes	Allow	

This action is enabled by the check box in the InstallShield Wizard dialog shown in the following figure. If you choose to bypass this action by deselecting this check box, LucidShape may not be able to obtain the license key needed to run.

📅 Sentinel RMS License Manager 8.6.1 - InstallShield Wizard		
	System Firewall Settings Need To Be Modified	
	The setup program will install the Sentinel RMS License Manager (license server) on this system. To allow communication between the RMS License Manager and the clients running licensed applications, the system firewall settings need to be modified. The Sentinel RMS License Manager will be added to the firewall blocking exceptions list.	
Sentinel RMS	Keep the checkbox below selected to unblock the firewall. Clearing this checkbox will let the firewall block the communication between the dients and the RMS License Manager.	
	☑ Unblock the system firewall for the Sentinel RMS License Manager	
GafeNet.	Tip: For instructions on unblocking the firewall later, refer to the Sentinel RMS SDK System Administrator's Help.	
< Back Next > Cancel		

As the dialog explains, the firewall blocking exceptions can be added at a later time. Additionally, if you want strict firewall settings, you can allow communications only for port 5093 in the Ports setting of the Inbound Rules.

Obtaining the Host ID for a License Dongle

A license key is designed to work for only one USB dongle, so the license key is associated with a unique value encoded on the dongle called a *Host ID*. The Host ID is printed on a label on the USB dongle; if you're unable to read the ID on the label, you can also obtain the Host ID by running a program that reads it from the dongle. Because of this, you need to know the Host ID for the license dongle before you can request a license key. In the LucidShape installation, the GetHostID utility is provided for this purpose. Follow these steps to run GetHostID.

- 1. Insert the USB dongle in an active USB port on the license server. A light glows at the end of the dongle when it's inserted correctly inserted in an active USB port.
- Select the Windows Start menu, expand the OSG Floating License Manager group, and select GetHostID, shown in the following figure.



The GetHostID utility is displayed.

0ct 103db Version 10.0.5445555	
Dongle Host ID	
Read the Host ID from a USB dongle. Be sure that the dongle and the dongle device driver are properly installed before using this option. Click the Read Dongle Host ID button if the Host ID is not displayed below.	
Read Dongle Host ID	
400-"МММММММММММ]
HOSTILLEIR	
Create a file with a complete set of Host IDs for this computer. Use this option only if requested by Customer Support.	
Create a file with a complete set of Host IDs for this computer. Use this option only if requested by Customer Support. C:\Users\Public\Desktop\HostIDs.txt Write Host ID File]
Create a file with a complete set of Host IDs for this computer. Use this option only if requested by Customer Support. C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID]
Create a file with a complete set of Host IDs for this computer. Use this option only if requested by Customer Support. C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID 4-*XXXXXXXXXXX]
Create a file with a complete set of Host IDs for this computer. Use this option only if requested by Customer Support. C:\Users\Public\Desktop\HostIDs.txt Write Host ID File Hardware Host ID 4-*XXXXXXXXXX]

In this example, the Host ID for the USB dongle is 400-*MMMMMMMMMMMM.

- 3. Copy the Host ID to retrieve your license key on the Synopsys SolvNet website. See *Retrieving License Keys* on page 41 for instructions.
- 4. Click Done to close the GetHostID utility.

After you retrieve your license key, go to *Installing a License Key for a Floating License* on page 21.

Installing a License Key for a Floating License

After you install the license server software and retrieve a license key, you need to install the license key on the license server before client machines can successfully run LucidShape. The Floating License Installer is provided for this purpose.

This procedure assumes that you have already obtained a valid license file from the SolvNet SmartKeys web page. If you have not done so, see *Retrieving License Keys* on page 41 for instructions.

Follow these steps to install your license key.

- 1. Make sure that the license dongle is inserted in an active USB port on the license server. A light glows at the end of the dongle when it's inserted correctly in an active USB port.
- 2. Click the Windows Start button on the taskbar, and select All Programs > OSG Floating License Manager > Floating License Installer.



The Floating License Installer is displayed, as shown in the following figure.

Floating License Installer, Version 1.0.3251823	×
Install Floating License File	
Install	

- 3. Click the Browse button .
- 4. In the Open dialog box, navigate to the license key file, select it, and click Open.

The Open dialog box is closed, and the path to the license key file is shown in the Floating License Installer.

🚆 Floating License Installer, Version 1.0.3251823	×
Install Floating License File	
hape.Floating.license.5Users.Exp_12_31_16_400-154W6CYBACXXNHH.dat	
Install	

5. Click the Install button.

The license key is installed, and the Success dialog box is displayed.

Floating License Installer, Version 1.0.3251823	×
Install Floating License File	
rape.Floating.license.SUsers.Exp_12_31_16_400-154W6CYBACXXNHH.dat	
License Installation successful.	

6. To close the Floating License Installer, click the red X in the top right corner.

Continue with Installing LucidShape on Client Machines on page 22.

Installing LucidShape on Client Machines

LucidShape must be installed on each client machine where it will be used.

These instructions assume that you have already downloaded LucidShape from the Synopsys SolvNet website or that you ordered and received a LucidShape DVD. If you have not done so, see *Using Synopsys SolvNet to Obtain LucidShape Software and Licenses* on page 33 for instructions.

- 1. Log on to your computer as Administrator.
- 2. Navigate to the folder where the LucidShape setup file is located. If you have a DVD, insert it into the DVD drive and navigate to that drive.
- 3. Double-click the setup file (e.g., SetupLucidShape_version.exe)

where *version* is the version number for the release (e.g., SetupLucidShape_2017.03.exe).

The Setup window is displayed at the License Agreement screen.

😍 LucidShape 2017.03 Setup	- • •		
License Agreement			
Please review the license terms before installing LucidShape 2017.03.	<u></u>		
Press Page Down to see the rest of the agreement.			
SYNOPSYS	*		
END-USER SOFTWARE LICENSE AND MAINTENANCE AGREE (OPTICAL SOLUTIONS PRODUCTS)	EMENT		
This agreement covers the Optical Solutions Products and related services you license (or purchase) from Synopsys or a Synopsys designated distributor, regardless of any other agreement you may have with Synopsys or with any entity acquired by Synopsys (including Optical Research Associates or RSoft Design Group, Inc.). This agreement also supersedes and replaces any license agreement that may be provided with the Optical Solutions Products, including			
If you accept the terms of the agreement, click I Agree to continue. You must agreement to install LucidShape 2017.03.	accept the		
LucidShape 2017.03			
I Agree	Cancel		

4. Click I Agree to continue.

The Choose Install Location screen is displayed.

CucidShape 2017.03 Setup	
Choose Install Location Choose the folder in which to install LucidShape 2017.03.	2
Setup will install LucidShape 2017.03 in the following folder. To install in a dif click Browse and select another folder. Click Install to start the installation.	ferent folder,
Destination Folder	Browse
Space required: 1.3GB Space available: 10.3GB Lucid5hape 2017.03	
< Back Install	Cancel

5. Use the default location and click Next (for LucidShape CAA V5 Based) or click Install (for all other LucidShape products).



Note: If an earlier release of LucidShape was installed, the default location will be set to the path used for that release. If you want to install the program in a different folder, click the Browse button to locate and specify that folder.

If you are installing a LucidShape product *other than* LucidShape CAA V5 Based, the Setup window shows the progress of the installation; skip to step 10 on page 25.

If you are installing the LucidShape CAA V5 Based product, the Choose CATIA Installation Directory screen is displayed; continue with the following steps.

The Choose CATIA Installation Directory screen allows you to associate the LucidShape CAA product with a specific CATIA installation. If a CATIA installation folder was detected, the path to that folder is displayed in the input field. If CATIA is *not* installed on the same computer, or if CATIA is managed by a third-party tool that maintains configurations and versions, the input field

may be blank, and you may need to perform additional steps to complete your installation. See *Troubleshooting the LucidShape CAA V5 Based Installation* on page 45 for details.

- 6. If you need to specify or want to change the CATIA installation folder, edit the path or click the Browse button to navigate to it and select it.
- 7. Click Next to continue.

🕹 Luci	dShape CAA V5 Ba	sed R24 - 2017.03	Setup	[- 0	Σ
Choo: Choo prod	se CATIA Installa ose the CATIA V5 R3 luct should be associ	tion Directory 14 installation folder ated.	with which the Luc	idShape CAA V5	Based	ł
Setu folde CATI	p will associate Lucic rr. If there was no ir IA V5 R24 installatio	IShape CAA V5 Bas Istallation folder for In folder, click Brows	ed with the followin und, or if you would se to select a folder	ıg CATIA V5 R24 J like to specify a . Click Next to co	installation different ontinue.	
CA	.TIA V5 R24 Installa C: \DS\64\B24	ion Directory		Bro	wse	
Spac Spac	te required: 600.2Mi te available: 5.8GB	3				
LUCIOSIN	аре син 75 Based н	.24 - 2017,03				

The Choose Public Data Location screen is displayed. This allows you to specify a location for installing public data, such as example model files. To allow interactive use of these files, choose a folder for which you have write permission. The default location is C:\Users\Public\Documents\LucidShapeCAA\R24\[version].

🕹 LucidShape CAA V5 Based R24 - 2017.03 Setup
Choose Public Data Location Choose the folder to install LucidShape CAA public data, such as example model files.
Setup will prepare the following folder for public data. To specify a different folder, click Browse and select another folder. Click Install to continue.
Public Data Folder C:\Users\Public\Documents\UcidShapeCAA\R24\2017.03 Browse
Space required: 600.2MB Space available: 5.8GB
LucidShape CAA V5 Based R24 - 2017.03

- 8. To specify a different folder, edit the path or click the Browse button to navigate to it and select it.
- 9. Click Install.

The Setup window shows the progress of the installation.

😌 LucidShape 2017.03 Setup	
Installing Please wait while LucidShape 2017.03 is being installed.	2
Extract: FF5 .lug	
Show details	

When the process is complete, Installation Complete is displayed in the Setup window.

😴 LucidShape 2017.03 Setup	
Installation Complete Setup was completed successfully.	2
Completed	
Show details	
LucidShape 2017-03	< Back Next > Cancel

10. For LucidShape CAA, this is the final screen in the installation wizard. Click Close and skip to step 12. For all other LucidShape products, click Next to exit the LucidShape installation wizard.

The Completing the LucidShape Setup Wizard is displayed.

CucidShape 2017.03 Setup			
	Completing the LucidShape Setup Wizard		
	LucidShape 2017.03 has been installed on your computer.		
	Click Finish to close this wizard.		
Lucid Shape Computer Aided Lighting			
	< Back Finish Cancel		

- 11. Click Finish.
- 12. To enable the floating license for this product, see Enabling the Floating License on page 26.

Enabling the Floating License

To enable the floating license to work for your LucidShape installation, you need to specify the name of your license server in a LucidShape initialization file, as described in these steps.

1. Start LucidShape.

The License Check Failed dialog box is displayed.

LucidShape 2017.03; License check failed	×
The module Shape is invalid The Studio license key for interactive design is invalid!	
Cannot execute this LucidShape application!	
Feature Shape reported error. Error Number: 18a – occurred at 1740:17 on Monday, February 13, 2017.	
License file not found	
Use the Fixed License Installer to install the license file for this version of LucidShape.] If you do not have a valid license file for this version, contact LucidShape Support or your software distributor	
Cancel Install License	

- 2. Click Cancel to close the dialog box.
- 3. Open Windows Explorer and navigate to this location:

C:\User\username\.Lucid\LucidShape\version

where *username* is your user name, and *version* is the version of the software you are installing (e.g., 2017.03).

4. Right-click the file LucidLicensing.ini and select Open with > Notepad.



The initialization file is displayed.

🔲 LucidLicensing.ini - Notepad	_ >	<
File Edit Format View Help		
[LICENSING] ORA_LSFILE=C:\Users\usrname\.Lucid\LucidShape\2017.03\LucidShape.license ORA_LSHOST=no-net		^
<	Þ	
Ln 3, Col 18		

5. Change the value for ORA_LSHOST from this:

ORA_LSHOST=no-net

to this:

ORA_LSHOST=[server machine name].

where *server machine name* is the name of the computer on which the Floating License Manager is installed (see *Installing the OSG Floating License Manager on the License Server* on page 12). Make sure there are no spaces before or after the equal sign.

🗍 LucidLicensing.ini - Notepad	x
File Edit Format View Help	
[LICENSING] ORA_LSFILE=C:\Users\usrname\.Lucid\LucidShape\2017.03\LucidShape.license ORA_LSHOST=INSPIRONAMD	* +
4	Þ.
Ln 3, Col 18	

- 6. Select the menu File > Save in Notepad.
- 7. Click the red X in the top right corner to close Notepad.
- 8. Restart LucidShape.

Administering Floating Licenses

In general, there is nothing that you need to do to administer the floating licenses. As long as the floating license server machine is operational, connected to the network, and is running the Sentinel service, licenses are available to clients.

Monitoring License Use

It is possible for all available licenses to be in use, which would prevent additional clients from running LucidShape. In such cases, a system administrator can use the Sentinel Administrator Utility (WlmAdmin) to determine to whom the module licenses have been allocated.



Note: To use the Administrator Utility utility, you must be the person who started the license server, or you must have administrator privileges.

- 1. To start the utility, click the Windows Start menu and select Programs > OSG Floating License Manager > Administrator Utility.
- 2. Expand the list of modules below the license server hostname.

The details presented in the dialog box indicate which client machine and username have checked out the licenses. The example below shows that from the license server machine *INSPIRONAMD*, a LucidShape license is checked out to a user named *JDoe*, who is using a client machine named *JDoe-z400 1*.

🚭 WImAdmin		X
File Edit View Tools Help Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength Image: Standard Strength	Server information Name: INSPIRONAMD Version: 8.6.1.0021 IP address: INSPIRONAMD Feature information In use: Name: LSFUNGEOMF Version: Statistics Total users: 0 Total users: 0 Commuter: 0 Capacity: 0 Detailed information Feature Info License Info Detailed information Feature Info License Info Outername: JDoe Start time: Wed Oct 12 17:56:46 Licenses in use: 1 Group name: DefaultGrp Ottena Value Commuter license No Held ticense No Held ticense No Held time License is current. Hottme License is current. Hottme License is current. Hottme Enabled	ORA Queued: 0 ty: No E 2016 E
Parata	· [

You can also use the Administrator Utility utility to obtain other licensing activity information, such as license servers detected, details on active licenses, etc. For more information about how to use the Administrator Utility utility, see the *Sentinel System Administrator's Guide*. After the Sentinel software is installed, this manual is available by selecting the Windows **Start** menu and selecting **Programs > OSG Floating License Manager > System Administrator's Guide**.



Note: Not all functions described in the *Sentinel System Administrator's Guide* are supported by LucidShape.

Improving Access to LucidShape Licenses with the Sentinel License Manager

By default, LucidShape licenses are available to anyone on your server on a first-come, first-served basis. Therefore, you can use LucidShape immediately without using the OSG Floating License Manager. However, if you want to control access to these licenses based on work priorities, you can use the Sentinel Administrator Utility to reserve copies for or deny access to specific users.

Before using the Administrator Utility, consider how you want to organize your groups, keeping in mind the following points:

- Anyone on your server can use a license that has not been explicitly reserved.
- After you create a group, you can specify the status of individual members as *Included* (access allowed) or *Excluded* (access denied).
- You can exclude all members of a group from using licenses (called license *tokens*) by specifying 0 licenses for that group.

For example:

• Organize by department:

If you have departments in your organization, enter each department as a separate group, assign the appropriate number of license tokens to each group, and designate each group member as Included or Excluded. You can change this designation for members as needed, according to work priorities.

• Organize by priority:

Create a group for preferred users and another group for everyone else. In the preferred user group, designate all members as Included and assign to them as many licenses as you can allow. For the second group, you enter everyone else in the company, assign the remaining license tokens, and designate which people are Included and which are Excluded. You can change the Included and Excluded designations as the work load changes.

When you are ready to implement this arrangement, you can use the Administration Utility provided with the OSG License Manager to create a *reservation* file, as described in the following steps.

1. On the license manager server, start the license manager Administration Utility from the Windows Start button:

Start > All Programs > OSG Floating License Manager > Administrator Utility

The WlmAdmin dialog box is displayed.

2. From the menu at the top of the WlmAdmin window, select Edit > Reservation File.

The Wlsgrmgr dialog box is displayed.

- 3. To set up a new members group, select **File > New**.
- 4. Follow these steps to select a feature.
 - a. Select Feature > Add.

The Add License Reservation Wizard is displayed.

b. Click Next to continue.

The Feature Version Capacity dialog box is displayed.

c. Enter the appropriate Feature Name.

Feature Version Capacity	×
Identify an Existing Licer Enter Feature Name, Fea	n se. ature Version (optional) and Capacity (optional).
E . N	
Feature Name	ILSFUNGEOMF
Feature Version	
Capacity	
	ji ji ino minik
< Back	Next > Cancel Help

You must enter feature names as they appear in the WlmAdmin dialog box, shown in the following example.

🚭 WImAdmin		
File Edit View Tools Help		
⊕ ⊕ Defined Servers ⊕ ⊕ ⊕ ⊕ ⊕ □ ⊖ ⊕ □ ⊖ ⊕ □ ⊖ ⊕ □ ⊖ ⊕ □ □ □ calico-jp3.internal.synopsy ⊕ ⊕ □ □ calico-jp4.internal.synopsy	Server information Name: INSPIRONAMD Version: 8.6.1.0021 IP address: INSPIRONAMD Version: 8.6.1.0021	
E-B INSPIRONAMD B-C LSBACKLIGHTING ORA B-C LSCOM ORA B-C LSFUNGEOMF ORA	Feature information Name: LSFUNGEOMF Statistics In use:	ORA

d. For the Feature Version, enter ORA (upper case).

Feature Name LSFUNGEOMF	Feature Name LSFUNGEOMF Feature Version ORA Capacity Imit	ature Version Capacity Identify an Existing Lica Enter Feature Name, Fe	nse. ature Version (optional) and Capacity	y (optional).
Feature Version	Feature Version ORA Capacity I No limit	Feature Name	LSFUNGEOMF	
Creative	Capacity 🗌 🗖 No limit	Feature Version		
Capacity No limit		Capacity		No limit

e. Click Next.

The Group dialog box is displayed.

- 5. To establish a user group, follow these steps.
 - a. Enter a name that identifies the user group for which you want to allow or deny access.

iroup	×
Add a group for the specified non-capacity feature. Enter the group name and number of tokens to be reserved for the group	
Group Name	
< Back Next > Cancel He	lp –

- b. In the Tokens field, enter the number of licenses to reserve for that group.
- c. Click Next.

The Members dialog box is displayed.

6. To add members to the group, follow these steps.



Note: You can add members who will be allowed access, as well as members who will be denied access.

a. Click the Add button.

Members		X
Add members t To add a me	o the group. mber Press the Add button	
Member Name	Туре	Status
Add	Remove F	emove All Properties
	< Back Finish	Cancel Help

The Member dialog box is displayed.

b. Keep the User option selected, shown in the following figure, and enter the member's name in the Name of the Member field. You can define members only by user name and not by Machine.

Member	×
Name of the Member.	JDoe
Members of a group ca This member is a :	n either be Users or Machines.
© User ⊂ Machine	
Members can be allow Or can be prevented to This member is :	ed to run the application by Including them run the application by excluding them.
 Included Excluded 	
	OK Cancel

- c. Click Included for members who are allowed access or Excluded for members who are denied access.
- d. Click OK on the Member window and repeat the process to add each user in the group.
- e. Click Finish on the Members window to apply the changes and close the window.
- 7. Repeat the process of selecting a feature, establishing a group, and adding members for each group (steps 4, 5, and 6, above).
- 8. Select File > Save As and navigate the directory where the license manager is installed.

By default, the license manager is installed in C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS License Manager\WinNT.

The file *lsreserv* is created and saved at this location. The license manager references this file to determine which users have access to each feature.

- 9. Restart the Sentinel RMS License Manager, as described in the following steps.
 - a. Click the Windows Start button and select Control Panel.
 - b. Click Administrative Tools.
 - c. Double-click Services.
 - d. In the Services dialog box, locate and right-click the Sentinel RMS License Manager and select the Restart option on the pop-up menu.

Appendix A Using Synopsys SolvNet to Obtain LucidShape Software and Licenses

Software and license keys for the LucidShape family of products are available for download from the Synopsys SolvNet website. This appendix describes how to use the website to download these software products and the license keys required to use them.



Note: For customers working with distributors, please contact your local LucidShape software distributor to obtain your software and license. See the Synopsys Optical Solutions Group Global Contacts page for contact information.

Although the examples in this document show and refer to the LucidShape product, the instructions apply to the entire LucidShape family of products, which includes:

- LucidShape
- LucidShape Lite
- LucidDrive
- LucidShape CAA V5 Based

Special terms used in these instructions are explained in the Glossary on page 47.

The process is described in the following procedures.

- 1. Signing Up for a SolvNet Account on page 34
- 2. Downloading LucidShape Software from SolvNet on page 35

or

Ordering Media (CDs/DVDs) on page 37

- 3. Installing LucidShape on page 39
- 4. Retrieving License Keys on page 41

APPENDIX A Using Synopsys SolvNet to Obtain LucidShape Software and Licenses

Signing Up for a SolvNet Account

Before you can download LucidShape software and license keys, you must sign up for a Synopsys SolvNet account. If you already have a SolvNet account, you can skip to *Downloading LucidShape Software from SolvNet* on page 35.

1. Go to https://solvnet.synopsys.com and click the Sign Up Now link.

SYNOPSYS ® Silicon to Software	SYNOPSYS.COM REGISTRATION HELP 帮助 対助 ヘルプ
Synopsys Sign In (DO NOT BO	OKMARK THIS PAGE)
Protected applications are only available for Syn	opsys customers.
	0
Username	
Password	
Sign in Forgot username or password?	
×	2
If you are new to Synopsys Secure Sign In or do	not have a SolvNet username, please take a moment to register.
© 2016 Synopsys, Inc. All Rights Reserved. 京ICP备09	052939 SIGN IN SUPPORT TERMS OF USE PRIVACY POLICY

2. Follow the instructions for New User Registration.

During the registration process, you will need to enter your company's Site ID. If you do not know your company's Site ID, please contact solvnetfeedback@synopsys.comto request it. Be sure to include your company name and address in the email request.

SolvNet will send you a confirmation email. Follow the link in the email to complete the registration process.

Downloading LucidShape Software from SolvNet

Follow these steps to download any of the software products in the LucidShape family of products. If you unable to download software, you can order a CD or DVD instead. See *Ordering Media (CDs/DVDs)* on page 37 for instructions.

- 1. Go to https://solvnet.synopsys.com and enter your User Name and Password to sign in.
- 2. Click Downloads.
- 3. All Synopsys products currently licensed at your company will be listed.

				Search Solvive		
				SYNOPSY	S.COM FEEDB	ACK SITE MAP HELP SK
n Docu	Imentation	Support	Downloads	Training	Method	dology My Profile
HOME > DOWNLOADS						
My Product Releases My Ne	ewest Releases					
My Product Releases	s			IP Products		SpyGlass Release Information
NEW! indicates new relea	ase within past 45	5 days.		Search for IP		Read Now
LightTools				Analog IP Selecto	r	0011 10 Deleges Dervis
LucidDrive				Memory & Logic II My Site IP	Selector	Installer 3.2
LucidShape HDR View	ver					Download Now
LucidShape Lite						
	r	you mult to t	lowmoad.			
SolvNet®	r r	you want to c	iowinoad.	Search SolvNe	ıt	Go A
SolvNet®		you want to t	lowinoad.	Search SolvNe	it S.COM FEEDB	Go A Iack site map help sig
SolvNet®	imentation	Support	Downloads	Search SolvNe synopsy Training	t s.com FEEDB Method	Go A NACK SITE MAP HELP SK dology My Profile
SolvNet®	umentation	Support	Downloads	Search SolvNe synopsy Training	t S.COM FEEDB Method	Go A MACK SITE MAP HELP SK dology My Profile
SolvNet® Docu HOME + DOWNLOADS My Product Releases My No	umentation	Support	Downloads	Search SolvNe synopsy Training	t S.COM FEEDB Method	Go A ACK SITE MAP HELP SK dology My Profile
SolvNet® Docu HOME → DOWNLOADS My Product Releases My Ne	Imentation	Support	Downloads	Search SolvNe synopsy Training	t S.COM FEEDB Method	Go A MACK SITE MAP HELP SIG dology My Profile SpyGlass Release
SolvNet® Docu HOME > DOWNLOADS My Product Releases My Net My Product Releases	umentation	Support	Downloads	Search SolvNe synopsy Training IP Products	t S.COM FEEDB Method	Go A ACK SITE MAP HELP SK dology My Profile SpyGlass Release Information Read Now
SolvNet® Docu HOME > DOWNLOADS My Product Releases New! indicates new relea LightTools	umentation swest Releases S sse within past 4:	Support	Downloads	Search SolvNe SYNOPSY Training IP Products Search for IP Analog IP Selecto	t S.COM FEEDB Method	Go A ACK STTE MAP HELP SK dology My Profile SpyGlass Release Information Read Now
SolvNet® Docu HOME → DOWNLOADS My Product Releases My Ne My Product Releases New! indicates new relea LightTools LucidDrive	umentation ewest Releases S ase within past 45	Support	Downloads	Search SolvNe SYNOPSY Training IP Products Search for IP Analog IP Selecto Memory & Logic II	t S.COM FEEDB Method	Go A ACK SITE MAP HELP SK dology My Profile SpyGlass Release Information Read Now 2014.12 Release Require
SolvNet® Docu HOME > DOWNLOADS My Product Releases My Product Releases New! indicates new relea LightTools LucidDrive LucidShape	umentation	Support	Downloads	Search SolvNe SYNOPSY Training IP Products Search for IP Analog IP Selecto Memory & Logic II My Site IP	t S.COM FEEDB Method P Selector	Go A ACK STEE MAP HELP SK dology My Profile SpyGlass Release Information Read Now 2014.12 Release Require Installer 3.2 Download Now
SolvNet® Docu HOME → DOWNLOADS My Product Releases My Product Releases New! indicates new relea LightTools LucidDrive LucidShape LucidShape HDR View	Imentation Exect Releases S S Ver	Support	Downloads	Search SolvNe SYNOPSY Training IP Products Search for IP Analog IP Selecto Memory & Logic II My Site IP	t S.COM FEEDB Method P Selector	Go A ACK STEE MAP HELP SK dology My Profile SpyGlass Release Information Read Now 2014.12 Release Require Installer 3.2 Download Now

5. Select the version you would like to download.

	Documentation	Support	
HOME DOWNLO	DADS		
My Product Relea	ases My Newest Releases		
LucidShape			
Choose your ver	atom and the form the list had		
choose your ver	sion number from the list be	low.	
2016.03-2	sion number from the list be	iow.	
2016.03-2 2016.03-1	sion number from the list be		
2016.03-2 2016.03-1 2016.03	sion number from the list be		
2016.03-2 2016.03-1 2016.03 2015.03-4	sion number from the list be		

APPENDIX A Using Synopsys SolvNet to Obtain LucidShape Software and Licenses

The **Downloads** page is displayed.

A	Documentation	Support	Downloads	
HOME DOWNLOADS	My Newest Releases			
Download Deta	ils: LucidShape:	2016.03-2		
Download Here	Download via FTP	FTP Download Instruc	tions	
RELEASE ALERTS ? Sign up for Luci RELEASE NOTES Release notes not a INSTALLATION GU > View installation guid	dShape available IDE le			
Release Type				
Service Pack				
SUPPORTED PLATF	ORMS			
Platform	Release to E	st		
x86 Microsoft Windows	(32) 08/03/2016			
x86 Microsoft Windows	(64) 08/03/2016			

 Click the Release Alerts link to display a Release Alerts options that allow you to subscribe to Release Notification emails from SolvNet. These emails let you know when a new version of LucidShape is available for download.

Release Alerts	
To be notified of new releases for your authorized produ "include patch" box to receive patch updates. Notificatio address.	ct(s), select from the product list below. Check the ns will be sent to your registered SolvNet email
Available Products	Products Selected
Liberty NCX Liberty NCX Macro (Liberty NCX Characterization) Library Compiler LogicMap LucidDrive LucidShape HDR Viewer LucidShape Lite Lum ILT Lynx Design System METeor	CODE V LightTools LucidShape
Include patch notifications (for all products)	
Update Reset	

- a. Click the product name for which you would like to receive notifications or click ALL to receive notifications for all products in the list.
- b. Click the **Add** button.
- c. Click the **Include patch notifications** check box. This allows you to receive notifications of LucidShape service releases.
- d. Click the Update button.

You are returned to the **Downloads** page.

7. On the Downloads page, click Download Here.

- 8. On the Electronic Software Transfer (EST) page, click YES, I AGREE TO THE ABOVE TERMS to continue.
- 9. Click the **Download** button, shown in the following figure, to begin downloading the software. If you will be using a floating license, you also need to download the Floating License Manager (FloatingLM.exe).
- 10. Floating license customers: if you are a system administrator setting up a floating license server, you can also click the **Download** button for the FloatingLM.exe to download the OSG Floating License Manager at this time. See *Installing LucidShape with a Floating License* on page 11 for installation instructions.

Synopsys Electronic Software Transfer(EST)

Product Listing:	LucidShap	e▼	Other Products	
Version:	lucidshape	_v2016.03-2.auth ▼		
HTTP may be used for o Explanation of EST dire For downloads from the	download <mark>ctories</mark> e /pub dir	s from the rev, rev_ rectory use FTP con	o, rev_a, ip, exp, la and auth directories. nection <u>ftp.synopsys.com</u>	
Action		File		Size
Download		SetupLucidShapeG	PU_v2.1.2.exe	File size : 590 MB
Download		SetupLucidShape_	v2.1.2.exe	File size:499 MB
Download		LushSpoolerClient	_v2.1.2.exe	File size : 135 MB
Download		checksum_info.txt		File size : 248 Bytes

Ordering Media (CDs/DVDs)

If you unable to download software and would like to order media (CD or DVD) instead, you can do this directly on the Synopsys SolvNet website. Follow these steps to order media.

- 1. Go to https://solvnet.synopsys.com and enter your User Name and Password to sign in.
- 2. Click Downloads.
- 3. Click the MediaCenter link in the lower right corner.

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•	Documentation	Support	Downloads	Training	Methodo	ology	My Profile
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My Product Release	es My Newest Releases						
My Product R	eleases			IP Products		SpyGlass Informatio	Release
NEW! indicates n	new release within past 45	days.		Search for IP		Read Now	
LightTools				Analog IP Selector			
LucidDrive				Memory & Logic IP Se	lector	2014.12 R	elease Requires
LucidShape				My Site IP		Download N	ow
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NEW! indicates n	new release within past 45	days.				and Lucid Customer Su	Shape Users
						Missing P Contact Us	roduct?
						DOWNLO	DADS FAQ
					(MEDIACI	ENTER

4. On the **Media Center** page, select the product (e.g., LucidShape, LucidDrive, etc.) and click the **Add** button.

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A	Documentation	Support		Training	Methodology	My Profile
HOME DOWNL	OADS MEDIA CENTER					
Instructions: Tangible media Only products o adm@synopsy Select product(s User: Imickens Site: EMPLOY	with the latest production ve in current support are availal /s.com. Orders will be shippe s) from the left list and add t	arsion will be shipped. ole to order. For IP pro ad within four busines: o right list to request (ducts send a request via days to the address be CD or DVD media.	email to est- low.	DOWN LICEN INSTALLAT SMAR SUPP(SYSTEMS	ILOADS FAQ SING AND ION TKEYS DRTED OPERATING
Liberty NCX Liberty NCX M Library Compile LightTools LogicMap LucidDrive LucidShape HIE LucidShape Litt Lum ILT	Available Products lacro (Liberty NCX Characteri er	zation) Add >> Remove	Products Selected LucidShape			

- 5. Complete the Shipping Address information and click Continue.
- 6. Review the shipping request, shown in the following figure, and click Place Order.

n Docu	imentation	Support	Downloads	Training	Method
HOME + DOWNLOADS + M	EDIA CENTER				
Please check the following i "Back" button to make cor	information. If ev rection.	erything is correct, cl	ick "Place Order" button	to place the order. Oth	nerwise, click
Name	Cary Rose				
User Name	crose				
Site ID	100				
Products	46217-EST Lu	cidShape 2016.03			
Additional Information					
Email	CARYROSE@SY	NOPSYS.COM			
Attention to Name	Cary Rose				
Job Title					
Company Name 1	Synopsys Inc.				
Company Name 2					
Department 1					
Department 2					
Department 3					
Department 4					
Address 1	199 South Los	Robles Ave			
Address 2	CA				
Address 3					
Address 4					
Address 5					
City	Pasadena				
Zip/Postal Code	91101				
State/Province	CA - California				
District					
Country	US - United Sta	ates			
Phone Number	626-696-9101				
Is Primary Contact	No				
Request permanent change to <u>site address</u> e	s No				
<< Back Place Order					

Installing LucidShape

Instructions for installing LucidShape products and license keys are provided in the following chapters:

- *Getting Started* on page 1 lists LucidShape system requirements and tells you how to contact LucidShape Support.
- *Installing LucidShape with a Fixed License* on page 3 With a fixed license, you install the product, the license dongle, and the license key on the computer where you want to run LucidShape.
- *Installing LucidShape with a Floating License* on page 11 With a floating license, you install the license dongle and license key on a network server and the product on one or more client machines where you want run LucidShape; you also install the OSG Floating License Manager on the network server to manage the licenses.

After you install the LucidShape product, continue with Retrieving License Keys on page 41.

Obtaining the Host ID for a License Dongle

A license key is designed to work for only one USB dongle, so the license key is associated with a unique value encoded on the dongle called a *Host ID*. Because of this, you need to know the Host ID for the license dongle before you can retrieve a license key. In the LucidShape installation, the GetHostID utility is provided for this purpose. Follow these steps to run GetHostID.

- 1. Insert the USB dongle in the USB port.
- 2. Select the Windows Start menu, expand the LucidShape group, and select GetHostID, shown in the following figure.



The GetHostID utility is displayed.

C		_
🚹 GetHostID	Version 11.0.3761314	×
- Dongle Hos	st ID	
Read the and the do this option is not disp	Host ID from a USB dongle. Be sure that the dongle ongle device driver are properly installed before using . Click the Read Dongle Host ID button if the Host ID layed below.	
	Read Dongle Host ID	
400-×1MMt	иммиммими	1
⊂ Host ID File Create a fi Use this o	e le with a complete set of Host IDs for this computer. ption only if requested by Customer Support.	
C:\Users\	Public\Desktop\HostIDs.txt	
	Write Host ID File	
Hardware H	Host ID	
4-*×××>	<xxxxxxx< td=""><td></td></xxxxxxx<>	
	Done	

In this example, the Host ID for the USB dongle is 400-*MMMMMMMMMMMM.

3. Copy the Host ID and go on to *Retrieving License Keys* on page 41.

Retrieving License Keys

A license key is a file containing licensing information for your specific USB dongle. You can obtain license keys using the SmartKeys web page on the Synopsys SolvNet website. Follow these steps to obtain your license keys.

1. Navigate to the SmartKeys page on SolvNet.

You can go to SmartKeys directly using this link: https://solvnet.synopsys.com/SmartKeys, or you can navigate there from the SolvNet Downloads page by clicking the SmartKeys link in the lower right corner.

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	Documentation	Support	Downloads	Training	Method	ology My Profile
ME > DOWNLOA	ADS					
ly Product R	teleases			IP Products		SpyGlass Release Information
NEW! indicates I	new release within past 45	days.		Search for IP		Read Now
LucidDrive				Analog IP Selector		
LucidShape				Memory & Logic IP S	Selector	Synopsys Test Case Packager
LucidShape H	IDR Viewer			My Site IP		Download Now
LucidShape L	ite					
new! Indicates I	new release within past 45	uays.				CODE V, Light Tools, RS and Lucid Shape Users Customer Support
						Missing Product? Contact Us
						DOWNLOADS FAQ
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2. On the SolvNet SmartKeys Home page, click the Key Retrieval link.



The SmartKeys Key Retrieval page is displayed.

You can retrieve a license key for a single USB dongle, or you can retrieve license keys for all Host IDs at your company.

3. To obtain a license key for a single USB dongle, enter the Host ID of your LucidShape USB dongle in the Host ID (Optional) field. If you do not know the Host ID value for your USB dongle, see *Obtaining the Host ID for a License Dongle* on page 39.

To obtain license keys for all products and all Host IDs at your company, leave the Host ID (Optional) field blank and go on to step 4.

4. Click Retrieve Key, shown in the following figure.

			SY	NOPSYS.COM   FEEDBA	ICK   SITE MAP   HELF	P   SIGNO
f Documentation	Support	Downloads	Training	Methodology	My Profile	
martKeys Home Key Re	etrieval Monthl	y TSL Key Reden	nption			Links
Key Retrieval						
Site ID - Retrieve keys for	site IDs for which	you are registered	d. Multiple site ID:	s may be selected us	ing the Ctrl or Shift I	key.
rou may register for additi	onal site ibs by upt	acting your Solvin	et prome.			
Host ID (Optional) - Retr	ieve a key for a spe	ecific host ID. For	redundant conver	C 11	والمحاج كمراجع والمحاج	
CODE V. 9. LightToole Heave	Click hone for infe	umption on obtain	redundant server	configurations, enter	only one of the nos	tids.
CODE V & LightTools Users	Click here for info	ormation on obtair	ning the host ID.	configurations, enter	roniy one or the hos	tids.
CODE V & LightTools Users	: Click here for info	ormation on obtair	ning the host ID.	configurations, enter	r only one or the hos	tids.
CODE V & LightTools Users	: Click here for info	ormation on obtair	hing the host ID.	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval	: Click here for info	ormation on obtair	hing the host ID.	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval	Click here for info	prmation on obtair	ning the host ID.	configurations, enter	only one of the hos	tīds.
CODE V & LightTools Users Key Retrieval Site ID	Click here for info	prmation on obtair MyCompany	v *	configurations, enter	only one of the hos	tīds.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override)	Click here for info	ormation on obtain MyCompany	v *	configurations, enter	only one of the hos	tīds.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override)	Click here for info	ormation on obtair MyCompany	*	configurations, enter	only one of the hos	tīds.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override) Host ID (Optional)	00000 - 1	MyCompany	*	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override) Host ID (Optional)	Click here for info 00000 - 1 80-1DFD2	MyCompany	*	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override) Host ID (Optional) Attachment Option	00000 - 1 80-1DFD2 Text Forr	MyCompany 2	redundant server     ing the host ID.     *	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override) Host ID (Optional) Attachment Option	00000 - 1 00000 - 1 80-1DFD2 Text Forr	MyCompany 2 nat	v *	configurations, enter	only one of the hos	tids.
CODE V & LightTools Users Key Retrieval Site ID Site ID (Override) Host ID (Optional) Attachment Option	00000 - 1 00000 - 1 80-1DFD2 Text Forr	MyCompany 2 nat	v *	configurations, enter	only one of the hos	tids.

Your LucidShape license key will be delivered as a text file attached to an email from the SmartKeys system. If you did not enter a Host ID in step 3, you will receive a separate email with a single license key attached for each Host ID at your company. The email will include the Host ID for which the license key is valid.

- 5. Save the license key to a convenient location on your computer. You need to access this file to activate LucidShape.
- 6. See one of the following procedures for instructions on installing the license key to activate your LucidShape product.
  - Installing a License Key for a Fixed License on page 8
  - Installing a License Key for a Floating License on page 21

## Appendix B Troubleshooting the Floating License Installation

If a security problem occurs when you use a LucidShape floating license, a dialog box displays an error message. Below are a few common security errors with their causes and resolutions. If you are unable to correct the problem, contact a LucidShape representative at lucidshapeinfo@synopsys.com.

#### Problems Installing the License Key Using the Floating License Installer

#### Problem: Invalid locking code. Check dongle.

- **Cause:** This could indicate that the license dongle has not been inserted in the USB port, the USB port is not active, or that the dongle is not valid.
- **Solution:** Restart the Sentinel RMS License Manager service. To do this, select Start > Control Panel, click Administrative Tools and then double-click Services. Locate and right-click Sentinel in the dialog box, and select the Restart option on the pop-up menu. Then, insert a valid license dongle in an active USB port (a light glows at the end of the dongle when it's inserted correctly in an active USB port) and repeat the steps for installing the license key. (See *Installing a License Key for a Floating License* on page 21 for instructions).

#### Problem: Sentinel: Error [19]: Failed to add license code ...

- **Cause:** This general error message indicates that the license key was not applied successfully in the license manager. This can occur if the file containing the license keys has been corrupted or if license keys that have already been successfully entered are entered a second time.
- **Solution:** Verify that the license key file contains license keys for the version of LucidShape being installed, and not for an earlier version; the version number is listed in the comments of the license key file. Also, verify that the license key file has not become corrupted, which could occur if the license key file has been edited (i.e., lines containing license keys are changed or become line wrapped incorrectly).

#### **Problems Starting LucidShape**

- Problem:Error #18b No valid license code for version x.x.x found.Cause:Valid license keys have not been entered for this version of LucidShape.
- **Solution:** See *Installing a License Key for a Fixed License* on page 8 for instructions on installing license keys.

#### Problem: Error #0xC800100D - License code for LucidShape version x.x.x has expired.

- **Cause:** The license keys for LucidShape have expired, or the PC date is before the start date of the license.
- **Solution:** Verify that the date on the computer is correct. Install the license keys for this version of LucidShape on the license sever machine according to the instructions in *Installing a License Key for a Floating License* on page 21. If new license keys are needed, contact your local distributor or a LucidShape representative at lucidshapeinfo@synopsys.com.

Problem: Error #8001008 - License manager is not responding. Verify license manager host is available and license manager process is running.

- **Cause:** The Floating License Manager program has been disabled.
- **Solution:** Restart the license manager program. To do this, select Start > Control Panel, click Administrative Tools and then double-click Services. Locate and right-click Sentinel in the dialog box, and select the Restart option on the pop-up menu.
- Cause: The license manager machine is unavailable.
- **Solution:** Verify that the license manager machine is available on the network.
- Cause: The name of the license server machine has not been correctly specified.
- **Solution:** In order for LucidShape to use a floating license, you must specify the name of the license server machine in an initialization file on the client machine (i.e., the machine on which LucidShape is installed). For instructions on specifying the license server machine to enable your floating license, see *Enabling the Floating License* on page 26.

### Appendix C Troubleshooting the LucidShape CAA V5 Based Installation

You may run into configuration issues when you install LucidShape CAA V5 Based installations if CATIA is *not* installed on the same computer or if CATIA is managed by a third-party tool that maintains configurations and versions. The following steps are recommended if you encounter problems associating your LucidShape CAA installation to the appropriate CATIA installation.

#### Choose the CATIA Installation Directory in the Setup Wizard

During the installation process, you are prompted to choose the installation folder with which to associate the LucidShape CAA product. If a CATIA installation folder was detected, the path to that folder is displayed in the input field; however, if CATIA is *not* installed on the same computer, or if CATIA is managed by a third-party tool that maintains configurations and versions, the input field may be blank.

	2017.03 Setup	
Choose CATIA Installation Dire Choose the CATIA V5 R24 installati product should be associated.	<b>ctory</b> on folder with which the LucidSl	hape CAA V5 Based
Setup will associate LucidShape CA. folder. If there was no installation 1 CATIA V5 R24 installation folder, di	A V5 Based with the following C older found, or if you would lik ck Browse to select a folder. Cl	ATIA V5 R24 installation e to specify a different ick Next to continue.
CATIA V5 R24 Installation Directo	ry	Browse
C: (DS (64)B24		bronbern
C: US (64)824 Space required: 600.2MB Space available: 5.8GB		boncen

Edit the path or click the Browse button to navigate to the appropriate directory and select it; then, complete the installation instructions. If LucidShape CAA is not correctly associated with the CATIA, see *Manually Create a New CATIA Environment* on page 45.

#### Manually Create a New CATIA Environment

If LucidShape CAA is not correctly associated with the CATIA after using the LucidShape Setup wizard, you may need contact the CATIA administrator in your IT department to manually add LucidShape CAA to a different environment, as described in the following steps.

1. To open the CATIA Environment Editor, click the Windows Start menu and select CATIA > Tools > Environment Editor

CATIA CATIA V5-6R2014 LucidShape CAA R24 2017.03 LucidShape CAA R24 EgretBeta1 Tools Batch Management V5-6R2014 Charles Nodelock Key Management V5-6 Printers V5-6R2014	m
Search programs and files	

- 2. In the Environment Editor, select Environment > New.
- 3. In the New Environment dialog box, append the LucidShape CAA installation path to the Install Path and press OK.

Environment Editor		Incoment (Compatibility Mark): The
Environment Options Help		
Environments storage directories		
Global Environments: C:\Pro	gramData\DassaultSystemes\CATEnvB24	
User Environments: C:\Use	users\ rs\users\AppData\Roaming\DassaultSystemes\CATEnv	
Name	Mode Last Modified	
LucidShape_CAA_R24_2017.03	Global 06/02/2017 09:23	
Name	Value	
New Environment Name : MyLucids Install Path : D:\Progra Mode : User Overwrite existing e	ShapeCAAEnvironment am Files\Dassault Systemes\B2 <mark>E:</mark> C:\Program Files\Synopsys\LucidShapeCAA\R24\2017 Product Line : CATIA environment  Add Desktop Icon	.03 Server Add Shortcut in the Start Menu OK Cancel

If these steps do not resolve the issue, please contact LucidShape CAA support at lucidshape_support@synopsys.com.

## Glossary

Host ID	A hexadecimal value encoded on the USB dongle. The Synopsys SmartKeys site and delivery email reference the Host ID value when license keys are requested and delivered.
License Key	A file containing the encoded license information needed to run LucidShape for a specific USB dongle.
Site ID	A unique number used to identify a specific company. Every company that uses LucidShape and other Synopsys software has a unique site ID.
SmartKeys	The SolvNet page where you submit license key requests.
SolvNet	The Synopsys customer portal (https://solvnet.synopsys.com). This is where you go to download LucidShape software as well as license keys.

