

Solid Edge

Installation and Licensing

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Chapter 1: System requirements

Operating system requirements and information

Solid Edge ST10 has been certified to run on the following:

- Windows 7 Enterprise, Ultimate or Professional (64-bit only) with Service Pack 1
- Windows 8.1 Enterprise or Professional (64-bit only)
- Windows 10 Enterprise or Professional (64-bit only) version 1511 or later
- Internet Explorer 11

Internet Explorer is not required to be the default browser. Solid Edge does not support the Windows 10 browser, Microsoft Edge.

Note

- Solid Edge ST10 is 64-bit only. Solid Edge ST6 was the last release of 32-bit Solid Edge.
- Windows Home and Windows RT are not supported.
- Solid Edge stops certifying new releases against an operating system shortly after Microsoft drops mainstream support for it. Solid Edge ST10 will not install on Windows Vista or Windows XP. Microsoft dropped mainstream support for Windows 7 in January 2015. Microsoft drops mainstream support for Windows 8.1 in January 2018. Solid Edge ST10 continues to install on Windows 7 and Windows 8.1, however, if there is a problem specific to Windows 7 or Windows 8.1, we cannot guarantee that a fix can be provided if support is required from Microsoft.
- Solid Edge ST10 will be the last release to support Windows 7, Windows 8, and Windows 8.1.

Hardware system requirements

Recommended system configuration

- 64-bit Windows 10 operating system
- 8 GB RAM or more
- True Color (32-bit) or 16 million colors (24-bit)

- Screen Resolution: 1280 x 1024 or higher, widescreen format

Minimum system configuration

- Any of the supported 64-bit operating systems
- 4 GB RAM or more
- 65K Colors
- Screen Resolution: 1280 x 1024 or higher
- 6.0 GB of disk space required for installation

It is not recommended that you run Solid Edge on server operating systems.

Some Solid Edge commands require Microsoft Excel. Solid Edge stops testing with Microsoft products shortly after Microsoft drops mainstream support for them. Microsoft dropped mainstream support for Office 2007 in October 2012. Microsoft dropped mainstream support for Office 2010 in October 2015. ST9 was the last release to support Office 2010. With ST10, Microsoft Office Professional 2013 or Microsoft Office Professional 2016 is recommended.

For more information on Solid Edge ST10 operating system and third party support, go to www.siemens.com/gtac, click **Hardware and Software Certifications**, and then click **Solid Edge ST10**.

Note

Be sure to consult the Solid Edge **Readme.htm** file for the latest information available.

Display system requirements and information

Solid Edge runs on graphics drivers that support Windows 7, Windows 8.1, or Windows 10. Contact your graphics driver manufacturer to determine whether their graphics adapter/driver support these operating systems.

For optimal performance, use a professional graphics card designed for CAD applications. For information about cards used in testing Solid Edge and results, see the Hardware and Software Certifications web site at

http://www.plm.automation.siemens.com/en_us/support/gtac/certifications.shtml.

Note

At least a 256MB graphic card is recommended when working with large assemblies or complex parts.

Running with extremely high screen resolution and color depth increases the memory requirements on the system and may result in apparent performance degradation. If experienced, reconfigure the display system to the recommended resolution and color depth for improved performance.

When running Solid Edge, if you experience an abnormally high abort rate, parts disappearing, or other graphic anomalies you may not be using the appropriate graphics driver. For details, see [Certification page of the Support web site: *http://support.industrysoftware.automation.siemens.com/gtac.shtml*](http://support.industrysoftware.automation.siemens.com/gtac.shtml).

Also, setting Display Fonts to Large Fonts or Extra Large Fonts (larger than 96 DPI) may cause some Solid Edge user interface items to not display as intended. To resolve these issues, use Normal Fonts (96 DPI).

A wide-screen ribbon layout is used by Solid Edge. This ribbon layout is optimal for horizontal screen resolutions set to 1920 or above. Solid Edge automatically detects your resolution and sets the ribbon layout to wide-screen starting at horizontal resolutions 1600 and above. Some groups collapse on the right side of the ribbon with resolutions between 1600 and 1920.

Chapter 2: Installing and uninstalling the application

To install Solid Edge, use any of the following methods:

- Insert the Solid Edge DVD in the DVD-ROM drive. If autorun is enabled, Solid Edge setup begins.
- In Windows Explorer, double-click the file (DVD/CD-ROM drive):\autorun.exe.
- In Windows Explorer, right-click setup.exe and choose Run as Administrator.
- Use the Run command on the Start menu to run (DVD/CD-ROM drive):\autorun.exe.

Keep these things in mind when installing Solid Edge:

- You must load and remove the application from an account that has Administrator privileges. The application runs under User, Administrator, or Guest privileges.
- Running the setup program when the product is already installed results in three options. You can:
 - o Modify the existing installation.
Choose this option to change the way features are installed.
 - o Repair the existing installation.
Choose this option to repair problems like missing files and invalid shortcuts.
 - o Remove the existing installation.
Choose this option to remove the application from the computer.
- Installation always delivers system files to the drive that contains the Windows operating system, regardless of the drive you specify for the installation.
- If you have floating licenses, License Manager FlexNet must be installed (to a license-server machine) to manage floating license seats. See [Licensing options](#) for more details.
- All PDM Clients are installed with Solid Edge. When Solid Edge installation completes, you need only run **Choose PDM Integration**, select the active PDM client (based on your license), and run Solid Edge.
- For installation assistance, contact the Global Technical Access Center (GTAC) 800-955-0000.

Multilingual setup for Solid Edge

The Solid Edge user interface is localized and delivered in 14 languages—Chinese (Simplified), Chinese (Traditional), Czech, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, and Spanish. To support our multinational customers, several enhancements were made in Solid Edge ST10:

- At the system level—You now can easily change the language used to display the Solid Edge user interface, without having to remove and then reinstall the product. This capability relies on the current Language (Region) selection on the Microsoft Windows 7 **Start** menu→**Control Panel**→**Region and Language** dialog box→**Formats** tab→**Format** list.

Note

On the Windows 10 operating system, the path to the locale setting is **Control Panel**→**Region**→**Formats** tab.

- During Solid Edge setup—
 - o Solid Edge detects your locale setting when setup is launched and displays the setup wizard user interface in that language.
 - o The setup wizard then installs the Solid Edge user interface and engineering data files (for example, hole table, material tables, templates, and preferences) for the detected operating system locale.
 - o Optionally, you can use the new **Install English** check box on the Solid Edge setup wizard to specify that the product is installed and displayed using the English-language user interface and engineering data files (hole table, material tables, templates, and preferences), even when your operating system is set to a different locale.
- While running Solid Edge—You can select the **Use English in the user interface** check box on the **Solid Edge Options** dialog box→**Helpers** tab to display the user interface in English, even when the product was installed in a different language. This option only changes the user interface elements; it does not change the engineering data files and templates installed with Solid Edge.

Changes to the files delivered with Solid Edge

This new capability means that all of the language packs are now installed when you install Solid Edge. You can see the new folder structure that corresponds to each of the localized languages in the **C:\Program Files\Solid Edge ST10\Program\ResDLLs** installation folder. For example, the folder for the English language is identified by the Windows Language Code ID (LCID), number 0009.

The following table lists all LCID numbers, language, and regions covered by that language.

LCID	Language	Region
000A	Spanish	es_* locales
000C	French	fr_* locales
000E	Hungarian	hu_* locales
0005	Czech	cs_* locales
0007	German	de_* locales
0009	English	en_* locales undefined locales
0010	Italian	it_* locales
0011	Japanese	ja_* locales

LCID	Language	Region
0012	Korean	ko_* locales
0015	Polish	pl_* locales
0016	Portuguese	pt_* locales
0019	Russian	ru_* locales
0404	Chinese, Traditional	zh_TW (Taiwan) zh_HK (Hong Kong) zh_MO (Macau)
0804	Chinese, Simplified	zh_CN (China) zh_SG (Singapore)

In addition, most of the *.pdf files, *.chm files, and videos that were previously installed with Solid Edge were removed from the program folders. Their contents are now available from Solid Edge ST10 Help and Training web help.

From the web help home page, look for the following:

- You can find the PDF files in the **Product Area** pane at the left side of the home page, under **Installation and Administration**.
- The contents of the CHM help files were incorporated into web help. You can find them by browsing the **Product Area**→**Help** container, or by searching for them using the **Search** box at the top of the home page.
- You can find links to all of the videos on our Solid Edge videos page, which is accessible from the **Learn** tile at bottom-right of the **Solid Edge ST10 Help and Training** home page.

Installing using the wizard

During Solid Edge installation, Solid Edge detects your operating system locale setting and displays the setup wizard user interface in that language. The setup wizard then installs the Solid Edge user interface and engineering files (for example, hole table, material tables, templates, and preferences) for the detected operating system locale. The **Install English** check box gives you the ability to override the detected operating system locale and install the English-language user interface and engineering data files even when your operating system is set to a different locale.

You can use the setup wizard to define the modeling standard, which determines the default templates that are used to create new documents. You also have the opportunity to specify a license file and options file although it is not required for Solid Edge installation. You can set your license and options file locations after installing Solid Edge.

Installing silently

Solid Edge will install silently as well as interactively. To install silently, you must use an account with administrator privileges and use an administrator command window. All arguments containing spaces

should be enclosed in double quotation marks. The following example contains information for silently installing Solid Edge.

```
C:\>msiexec /i"<DVD>\Solid Edge\Solid Edge ST10.msi"
MYTEMPLATE=3
USERFILESPEC="C:\temp\My Docs\SELlicense.dat"
USERFILESPECXML="C:\temp\My Docs\Options.xml"
INSTALLDIR="C:\Program Files\Solid Edge ST10"
/qn+ /l*v "C:\temp\mysilentsetup.log"
```

<DVD>	Drive letter of your DVD or location of the fully qualified path to the Solid Edge MSI file.
MYTEMPLATE	Determines the templates installed with Solid Edge. If no value is specified, Solid Edge uses the setting from the Standard.ini file which by default uses Auto. For Auto, the templates are set based on the current user's Region and Language Format setting. 1=Metric 2=JIS Metric 3=ISO Metric 4=ANSI Inch 5=DIN Metric 6=UNI Metric 7=ESKD Metric 8=GB Metric 9=ANSI Metric
USERFILESPEC	(Optional) Defines the location of the Solid Edge license file that setup copies to the Solid Edge Preferences folder.
INSTALLDIR	Installation location for Solid Edge ST10 and PDM clients. The path should be enclosed by quotes.
SETPDMCLIENT	Specifies the PDM client installed with Solid Edge. 1=Built in data management 2=Teamcenter Integration for Solid Edge (SEEC) 3=Insight 4=Solid Edge for SharePoint
ADDPDMCLIENTMENUS	Defines the PDM client menus installed with Solid Edge. 1=All 2=Teamcenter Integration for Solid Edge (SEEC) 3=Insight 4=Solid Edge for SharePoint
USERFILESPECXML	(Optional) Defines the fully qualified path and filename of the SE Admin file.

/qn+	Instructs the Windows installer to provide NO user interface and alert at the completion of setup.
/!*_v	Creates a log file at the location specified. The path should be enclosed by quotes.

For additional information on options for the msixec command, at a command prompt, type:
C:>msiexec.

Installing multiple versions of Solid Edge

You can run silent install to load Solid Edge along side an existing install of Solid Edge ST4 or later.

1. Install the older version of Solid Edge then use silent install procedure using msiexec to load the current version.
2. From the latest Solid Edge DVD, go to the SptTools folder and copy SESetActiveVersion.exe.
3. Paste SESetActiveVersion.exe to your desktop and then double-click it.
4. In the dialog box, from the list, choose the version of Solid Edge that you want to run and then click Activate. A progress bar appears to show the silent install progress. It closes when the process is complete.

Note

Add on applications such as Standard Parts do not support multiple version installations.

Caution

This capability is not intended to be used for production and is not supported by GTAC. This type of install is intended for testing and evaluation of the latest version without the need to uninstall the previous version. If you need to run multiple versions in a production environment, Virtual Machine configurations are the recommended method. When moving to production it is recommended that you remove all versions, reboot the system, then install a single product version.

Uninstalling

Use the utility in the operating system Control Panel to remove the application.

Select Solid Edge ST10 from the list of installed products, and click Uninstall.

Note

Always reboot your machine after uninstalling an application, prior to initiating the installation of another version of the product.

Setting up your own help server

Solid Edge help and training are available on a public Siemens web server, and by default, Solid Edge accesses it from that location. However, you may choose to install the PLM Help Server and the Solid Edge help and training files on your workstation or on your own server, and then configure Solid Edge to display it from there.

To learn more about this option, and for detailed instructions to take advantage of it, see the *Solid Edge Help Installation Guide* on the Siemens PLM Download Server.

1. Connect to the GTAC site at <https://download.industrysoftware.automation.siemens.com/>.
2. Log on using your WebKey username and password.
3. On the Siemens PLM Download Server page, from the list on the left, click Solid Edge.
4. Expand Full products > Windows (64-bit) > ST10.
5. Download *Solid_Edge_Help_Installation_Guide.pdf*.

Chapter 3: Licensing options

When you purchase Solid Edge, you can choose between several licensing options.

- Node-locked licenses enable the application to be loaded and locked to a specific machine by associating the license with a Solid Edge Composite Host ID number (SE_CID). This number is unique for each specific machine, and you can learn more about it in [Appendix A: WebKey and Solid Edge Composite Host ID number information](#).
- Cloud-enabled licenses are ideal for people who use more than one machine, or who need to access Solid Edge from various locations such as from home or an off-site location. A WebKey and internet access is required.
- Floating licenses make more efficient use of fewer licenses by sharing them via the network. With floating licensing, the FlexNet software manages licenses for use on a network. A system administrator typically configures the license server.
- Other licensing options include license borrowing and emergency licensing. License borrowing enables customers with floating licenses to check out a license for remote or off site use. Emergency licenses are available through GTAC in the event of a problem with an existing license file.

Node-locked (standalone) licenses

Node-locked (standalone) license configuration implies that each machine running the application has its own license file. The license file is locked to the SE_CID of each machine.

The web-based procedure, Product Activation, is used to activate or register a node-locked license for each machine at your site.

When you purchase Solid Edge, you are provided a temporary license by e-mail for new or unregistered node-locked (standalone) licenses. You should activate your license via the [License Management web site](#):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

You need a WebKey account and password to access the website. See [Appendix A: WebKey and Solid Edge Composite Host ID number information](#) for instructions on obtaining a WebKey.

Once you are logged on to the License Management website, click Product Activation to activate your products. You will need the SE_CID of the machines you want to activate and a unique description of each machine, such as the network name of the machine.

Note

The name of a machine is limited to 20 characters.

Detailed instructions for the Product Activation process are included in *Appendix B – Activating a license*.

Cloud-enabled licenses

A cloud-enabled license functions similarly to a node-locked license. However, the cloud-enabled license is locked to a person, via their WebKey username and password, instead of a machine's SE_CID. This makes cloud-enabled licenses optimal for people who use Solid Edge on more than one machine, or need to access Solid Edge from various locations.

Note

To use the cloud-enabled license option, you must be connected to the internet and have a WebKey account. For information on obtaining a WebKey account, see [Appendix A – WebKey and Solid Edge Composite Host ID number information](#).

With a cloud-enabled license, you log on to a WebKey account to access your license and then use Solid Edge on any machine where Solid Edge is installed. You can also:

- Save and deploy preferences as you move from machine to machine.
- Download and install Solid Edge product update maintenance packs on each machine where you use Solid Edge.

Setting up your cloud-enabled license

1. On the **Start** menu, click **Solid Edge**→**Licensing**→**License Utility**.
2. Click **I am Cloud enabled**, and then click **OK**.

Registering the Solid Edge Cloud Gateway on a new machine

The first time you use your cloud-enabled license on a new machine, you must register the Solid Edge Cloud Gateway on that machine.

1. On the **Start** menu, click **Solid Edge**→**Licensing**→**Solid Edge Cloud Gateway**.
2. Log on using your WebKey account.

The license server sends a license token to your registered email account, and the Solid Edge Cloud Gateway displays a verification dialog box.

3. Enter the license token in the dialog box.

Logging on to the Solid Edge Cloud Gateway

When you use cloud-enabled Solid Edge, you must log on with your WebKey account before you start Solid Edge.

1. On the **Start** menu, click **Solid Edge**→**Licensing**→**Solid Edge Cloud Gateway**.
2. Log on using your WebKey account.

If your license is expired or there is a problem with your WebKey account, you will only be able to use Solid Edge Viewer Mode, which allows you to view, measure, and inspect Solid Edge models, save model views, and more.

You can begin using Solid Edge as soon as you have logged on to your account.

Saving and deploying preferences

With cloud-enabled Solid Edge, you can use the same set of preferences on all of the machines you use. Before you can deploy your preferences, you must save them.

1. On the machine from which you want to save your preferences, log on to Solid Edge Cloud Gateway.
2. Start Solid Edge and set your preferences.
3. In the **Solid Edge Cloud Gateway Signed In** dialog box, under **Solid Edge settings/preferences**, click **Save**.

Solid Edge gathers all of the information about your preferences and saves them to the cloud. This might take a few minutes, depending on the extent to which you modified Solid Edge.

After you saved your preferences, you are ready to deploy them to other machines you use.

Note

Solid Edge saves the file-based preferences (templates, user data, and Solid Edge preferences files) the Solid Edge preferences folder, but does *not* save the system-dependent preferences that are stored in the Windows registry.

4. On the machine to which you want to deploy your preferences, log on to Solid Edge Cloud Gateway.
5. In the **Solid Edge Cloud Gateway Signed In** dialog box, under **Solid Edge settings/preferences**, click **Restore**.

Solid Edge retrieves your preferences and deploys them on the machine where you are logged in. This might take a few minutes, depending on the extent to which you modified Solid Edge.

Downloading and installing Solid Edge maintenance packs

You can use the Solid Edge Cloud Gateway to download and install the latest Solid Edge maintenance packs.

1. Log on to Solid Edge Cloud Gateway.

If a maintenance pack is available, the maintenance pack **Download** button is enabled.

2. Click **Download**.

Depending on the size of the maintenance pack and the strength and speed of your network connection, it might take some time to download the maintenance pack.

3. Click **Install**.

The Solid Edge Cloud Gateway exits and installs the Solid Edge maintenance pack.

Floating licenses

With a floating license, you can install an application on as many computers as needed on your network. Users can then check out licenses from a pool, not to exceed the total number of purchased seats.

The license server can be any computer on your network and must be highly available for the users to access via *tcpip*.

The license file used in a floating configuration establishes the location of the license server and the number of available licenses. The necessary FlexNet utilities for simplifying the process and making full use of your license along with the License Administration guide are delivered on your product DVD.

FlexNet Publisher 2016 (11.14.0) is supported on the same client and server Windows-based platforms that Solid Edge based products support. Floating licenses should not be shared across country borders. It is strongly recommended that the floating licenses only be shared across a single LAN to minimize any additional points of network interruption.

Dongles

A hardware key, or dongle, is a small device that plugs into your computer and works with the software to provide licensing in a floating license configuration. The dongle plugs into the USB port of the license server computer.

Solid Edge License Manager installs the Sentinel driver for you, but should you need to install it separately, the Sentinel driver can be installed from the Solid Edge DVD. The Sentinel driver is located in the Sentinel folder on the Solid Edge DVD. Double-click **sentinel.exe** and follow the installation instructions to complete the installation of the driver.

Note

Dongles are only used with Floating Licenses.

License file

Both the node-locked and floating options require a license file that is customized to your installation. You will not be able to run your Solid Edge product without completing the licensing phase of the product installation.

An electronic copy of your license file, **SELicense.dat**, is e-mailed to the point of contact on record for your company.

If you cannot locate this file, you can download it from the [License Management web site](https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Log on using your WebKey account, and then enter the Sold-To/Install ID number for which you want to download a license.

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Emergency licensing

Emergency standalone licensing is available in a situation where the product will not run because of problems with the current license file or hardware key. An emergency license file is valid for seven days. To retrieve an emergency license, go to the [License Management website](#):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Log on using your WebKey account, and then enter the Sold-To/Install ID number for which you want to create an emergency license.

Evaluation licensing

For a Solid Edge evaluation license, please contact your Siemens Solution Partners.

Web retrieval

Licenses may be retrieved via the [License Management website](#):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Log in using your WebKey account, and then enter the Sold-To / Install ID number you want to download a license for.

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Chapter 4: Activating and configuring Node-locked licenses

As a new customer, when you receive Solid Edge you also receive a temporary license with which you are able to run Solid Edge ST10 immediately. However, the web-based licensing procedure requires you to activate your licenses to obtain a permanent node-locked license file.

Product activation prevents software piracy, provides you assurance that you are not using illegal copies of Solid Edge or its modules, and makes it faster and easier for you to be up and running with Solid Edge. Product activation for all machines is usually a one-time activity for node-locked configurations.

To complete the activation process, visit the [License Management web site](#):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

You will need your WebKey and password to access the site. Once you are logged on, click Product Activation to activate Solid Edge. See *Appendix B – Activating a license* for detailed instructions.

Activating licenses remotely

You are not required to activate your products from the machines being licensed. You can remotely activate licenses by collecting the SE_CID numbers and machine descriptions of the machines to be licensed. Then you can access the License Management website, create the machine list and assign licenses to them. After activating all the machines, you can generate and download your license file. Once you have an electronic copy of your license file, **SELICENSE.dat**, save the electronic file to a location either on your local system or on your network. Start the License Utility (located in the Solid Edge ST10 program group), and follow the **I have a license file** option.

The License Utility will automatically copy the file to the \Solid Edge ST10\Preferences folder. Alternately, you can copy **SELICENSE.dat** to the \Solid Edge ST10\Preferences folder, replacing the file automatically delivered with your product. Repeat this procedure for all of the machines you activate.

Activating licenses without network connectivity

If you do not have Internet access, you can contact your Siemens Solutions Partner for assistance in activating your licenses.

Activating multiple license files

The product activation process does not have to be performed on each individual machine. The process can be completed by a system manager from any machine as long as a list of machine names, SE_CID numbers, and software for assignment is available. For sites with five or more seats, we suggest a system manager or CAD manager complete the Product Activation process.

To make this process as easy as possible, collect the SE_CID numbers, workstation names, and the product/modules for assignment.

Go to the [License Management web site](#):

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>

Log on using your WebKey. Create the machines and assign licenses to them. After you have activated all the machines you can generate and download your license file. A single **SELicense.dat** file is created which contains all the machines you activated in the file. Copy this license file to the **\Solid Edge ST10\Preferences** directory on the machines where Solid Edge is installed.

Loading a Node-locked license

Install Solid Edge from the product DVD. You can load your license file during installation. However, after installation, Solid Edge must be licensed in one of the following ways:

- Save the Solid Edge license file (SELicense.dat) to disk.
- Download an archived **SELicense.dat** file and save it to the **\Solid Edge ST10\Preferences** folder.

After installation, if you start the application with the delivered license file, the license utility is started for you. However, if you have altered or replaced the delivered license file, license validation occurs automatically.

Use the License Utility to locate and install your SELicense.dat file

1. Start the License Utility.
 - From the Start menu, choose Programs→Solid Edge ST10→Licensing, and click License Utility.
2. In the License Utility dialog box, click **I have a license file**, then browse to locate your license file.
3. In the Open dialog box, navigate to the location where you saved the **SELicense.dat** file, and then click Open.
4. In the License Utility dialog box, click OK to complete licensing.

Use the License Utility to download an SELicense.dat file

1. In the Solid Edge License Utility dialog box, click **I need to visit the Siemens Licensing website**.
2. Log in using your WebKey username and password.

Note

Instructions for obtaining a WebKey are included in [Appendix A – WebKey and Solid Edge Composite Host ID number information](#).

3. Select the Sold-To ID for which to retrieve licenses, and then click Retrieve License Information.
4. Select the Solid Edge license you want to download. If you are given a choice, choose to save the file to disk.
5. Save the Solid Edge license file, **SELicense.dat**, to a location on disk for use with License Utility, or save it directly to the **\Solid Edge ST10\Preferences** folder.

Chapter 5: Configuring Floating licenses

Configuring floating licenses involves identifying a license server, installing and configuring FlexNet, and installing Solid Edge.

Identifying a license server

The license server is the computer on your network on which the FlexNet software will reside. The license server can be any computer on your network that is running a supported 32-bit or 64-bit operating system.

Note

See the *Readme.htm* file or the *System Requirements* chapter of this guide for a list of supported operating systems.

The server and the client machines must be running the TCP/IP protocol and must be able to communicate with the server over the network. The license server must have the Sentinel driver and server dongle installed for floating licensing to work.

Installing and configuring the License Manager

When you install License Manager, FlexNet and the Sentinel driver are installed for you.

If you need to install the FlexNet software, it is available on the Solid Edge DVD in **\License Manager\Sentinel**. Double-click **sentinel.exe** and follow the installation instructions to complete the installation of the driver.

Note

If you did not select your license file during License Manager installation, you will need to follow the steps below to configure FlexNet.

1. Copy your license file (SElicense.dat) to the \SEFlex\program folder.

Note

The license file must be edited to contain the machine name of the server. Use Notepad to edit the file.

2. Double-click **lmtools.exe** in the \SEFlex\program folder to display the LMTOOLS dialog box.

3. On the Service/License File page, click Configuration Using Services. Ensure that FlexNet License Manager is highlighted in the list.
4. On the Configure Services page, specify the location of the License Manager daemon **lmgrd.exe**, and the product license file, **SELicense.dat**. Also specify a location for the debug log file.
5. Select the Use Services check box and Start Server at Power Up check box.
6. Click Save Service. If prompted to save the FlexNet settings, click Yes.
7. On the Start/Stop/Reread page, click Start Server to start licensing.

Loading the application for Floating licenses

1. In the Solid Edge License File Browse box, locate your Solid Edge license file on disk or shared folder.
2. In the Open dialog box, navigate to the **SELicense.dat** file saved to disk, and click Open.

Note

If you do not have a copy of your license file (SELicense.dat) saved to disk, please follow the instructions for downloading a **SELicense.dat** or contact the person responsible for managing FlexNet at your company to determine the license file location.

3. Return to the Install Shield Wizard and click Install. When the installation is complete you are ready to use the product.

Install the application on each client that will be running it. Copy the **SELicense.dat** file from the server to each client.

Place it in the \Solid Edge ST10\Preferences folder.

Note

- If you do not have a copy of your license file (SELicense.dat) saved to disk, please follow the instructions for downloading your **SELicense.dat** file or contact the person responsible for managing FlexNet at your company to determine the license file location.
- A simpler option for identifying your license file is available. On the Solid Edge License Utility dialog box, you can enter the name of your license server and a local license file will be created that points to your license server.

Chapter 6: Configuring Academic licenses

There are two types of Solid Edge Academic licenses:

- Academic — for student use.
- AcademicU — for university or classroom use and includes access to Solid Edge Insight and Solid Edge Embedded Client.

Regardless of the type of Academic license you have, the method for obtaining, configuring and using a Solid Edge Academic license is the same. Using a Solid Edge Academic license involves installing Solid Edge and completing the licensing phase after installation.

You do not need a dongle or a license server to set up a Solid Edge Academic license. The 12-character License Key required to complete licensing is printed inside the DVD cover. The Academic version of Solid Edge works identically to other versions with the following exceptions:

- Whenever a drawing is printed from the Academic version of Solid Edge, it includes the watermark Solid Edge Academic Copy.
- Files saved with an Academic version of Solid Edge can only be opened with an Academic version of Solid Edge. Academic files will not open in other versions.

Entering the Solid Edge Academic license key

After installing the product, make sure you have the 12-character license key that is printed inside the DVD cover, and then enter the license key as described next.

1. From the **Start** menu, choose **Programs**→**Solid Edge ST10**→**Licensing**, and then click **License Utility**.
2. In the **License Utility** dialog box, click **I have an Academic Code**.
3. In the **School** field, type the name of your school.
4. In the **License code** field, type the license key number printed inside the the DVD cover and click **OK**.

The appropriate license file is generated for you.

Chapter 7: License Borrowing

License borrowing makes managing your floating licenses more versatile. You can check out a license from the server, disconnect from the network, and then run Solid Edge offline. This is helpful when working off-site.

Note

The client machine must have the same license file that resides on the server. Any user that has a valid license file can borrow a license. However, an administrator can use the FlexNet options file to exclude specific users or groups of users from being able to borrow a license.

1. From the Windows Start menu choose All Programs→Solid Edge ST10→Licensing →License Borrowing.

The License Borrowing dialog box appears.

Note

The dialog box displays information about the available licenses and the licenses that are currently being used. It allows you to control the length of time you want to borrow the license and allows you to return the license early.

2. Do the following:
 - a. In the Base product section, from the Available Licenses list, select an application to borrow.
 - b. (Optional) in the Add-on products section, from the Available Licenses list, select one or more licenses to borrow.

Caution

You must select a base license in order to use the borrowing capability. Also, be sure to select all the licenses you may need before running the Borrow Licenses command. Otherwise, you will need to repeat all the steps that follow in order to borrow the additional licenses.

3. From the Borrowing period list, select an expiration date.
4. Click Borrow Licenses.

A message appears indicating that license borrowing is enabled and you can disconnect from the server.

5. Click OK to dismiss the message.

The License Borrowing dialog box updates to display information about the license(s) being borrowed. If you review the **debug.log** or perform a status on the server, the license is displayed as being checked out on the server.

Tip

To confirm if the borrow process was successful, disconnect from the network and start Solid Edge.

6. To return the borrowed licenses, do one of the following:
 - Before the borrowing period ends, click the Return All Licenses command.
All users receive an alert message 30 days prior to the license termination date.
 - Let the license expire.

Note

The **SELICENSE.dat** file has a Borrow=nnnn entry to indicate that your license file is compatible with license borrowing. The value nnnn is the maximum number of hours a license can be borrowed, with a minimum of 24 hours and a maximum of 4,368 hours which is equivalent to 182 days, or six months.

Appendix A: WebKey and Solid Edge Composite Host ID number information

Create a WebKey

You need your Sold-To/Install number and WebKey Access Code to create a WebKey. These numbers are at the top of your temporary license file. If you do not have this information, contact GTAC or your Channel Partner.

1. Open your web browser and go to <https://www2.industrysoftware.automation.siemens.com/webkey/>.
2. Click **Create Account**.
3. Click **Siemens PLM Standard WebKey Creation**.
4. Enter your Sold-To and WebKey access codes.
The WebKey Account Request form displays.
5. Complete the form and click **Submit** to generate your WebKey account.
The username you provide becomes your WebKey. Your WebKey password is generated and e-mailed to the address you provide.
6. Once you receive your WebKey and password in e-mail, change your WebKey account password.
 - Open your web browser and go to <https://www2.industrysoftware.automation.siemens.com/webkey/>
 - Click **Change Password** and follow the instruction on the web page.

Be sure and set your password to something you will remember. Your password must be at least six characters and the use of special characters is limited to the exclamation point (!), period (.), minus (-), underscore (_), pipe (|), and ampersand (@).

Obtain your Solid Edge Composite Host ID number

When activating licenses, you must provide the Solid Edge Composite Host ID number (SE_CID) of each machine. There are several ways of obtaining the SE_CID number:

- Read the number from installed seats
- Obtain the number from the Product Activation web page
- Download and run the SE CID utility

After you obtain the SE_CID number, keep a record of this information. You will use this number to activate your license.

Note

If you will be activating multiple systems, you should keep a record of the SE_CID numbers and their respective systems. You will enter a machine name and serial number for each machine being registered.

Reading the SE_CID number from installed seats

1. On the Start menu, click All Programs → Solid Edge ST10 → Licensing → License Utility.
Your SE_CID number is displayed at the top-right of the form.

Obtaining the SE_CID number from the Product Activation web page

1. From a system that already has Solid Edge installed, open a web browser and visit the [License Management website](#):
<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>
2. Beside the SE_CID field, there is a **Get Number** button. Click this button to have the web page run a utility that determines the SE_CID number and records it on the web page.

Downloading and running the SE CID utility

1. Open a web browser and visit the Siemens PLM FTP Server:
https://download.industrysoftware.automation.siemens.com/solid_edge/SupportTools/
2. When prompted, enter your WebKey number and password.
3. When the SE_CID Utility screen is displayed, right-click the **SE_CID_utility.exe** entry and choose the option to download or save the file. Save the file to a location on your system where you can conveniently find it again.
4. Copy this file to each machine for which you want to activate a license of Solid Edge.
5. On each system, run the utility, and save the SE_CID number that it displays.

Appendix B: Activating a license

The following steps instruct you in the product license activation process. This process is used for node-locked, travel, and home use licenses.

1. Browse to the [License Management web site](https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application):
<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>
2. Enter your WebKey and Password created during the WebKey account creation. Click **Sign In**.
3. On the License Management page, click **Product Activation**.
4. Choose the product and version you want to activate.
By expanding the version information, you can also select Travel and Home Use license types (if authorized).
5. Click **Continue**.
6. Click **Create New Machine** to activate a machine and assign products to it.
7. Enter the name of the machine you want to create.

Note

The machine name does not have to be the same as the network name. In this case, the machine name is a description.

8. Enter the SE_CID number (volume id) of the machine you identified.
The SE_CID number is shown in the upper right corner of the Solid Edge License Utility delivered with Solid Edge. Learn more about obtaining the SE_CID number in [Appendix A: WebKey and Solid Edge Composite Host ID number information](#).

Note

If you are using the machine you are activating, you can click Get Number in the License Management dialog box to retrieve your SE_CID number.

9. Click **Create** to generate your new license.
To add products to the newly created machine, click **Assign Products**.
10. After the machine name appears with the appropriate list of products, click **Finish**.

Note

You can remove products from the list for a machine by clicking the Remove Products tab.

11. Complete the activation by saving a copy of your license file to disk.

Appendix C: Contact support

Maintenance customers in the United States or Canada can report problems or request enhancements by calling the Global Technical Access Center (GTAC), 800–955–0000 or by connecting to the GTAC web page, <http://support.industrysoftware.automation.siemens.com/gtac.shtml> using your web browser. Outside the United States or Canada, contact your local Channel Partner.

Phone Support Options:

- Dial 1-800-955-0000
- Press 2 for technical support
- 2.2 Solid Edge & the Velocity Series
 - 2.2.1 Application Questions or Issues (Solid Edge & FEMAP Express within Solid Edge)
 - 2.2.2 Solid Edge Insight and Solid Edge Embedded Client
 - 2.2.3 Installation and Licensing Questions or Issues
 - 2.2.4 Teamcenter Express Questions or Issues
 - 2.2.5 NX CAM Express
 - 2.2.6 FEMAP

Siemens Industry Software

Headquarters

Granite Park One
5800 Granite Parkway
Suite 600
Plano, TX 75024
USA
+1 972 987 3000

Americas

Granite Park One
5800 Granite Parkway
Suite 600
Plano, TX 75024
USA
+1 314 264 8499

Europe

Stephenson House
Sir William Siemens Square
Frimley, Camberley
Surrey, GU16 8QD
+44 (0) 1276 413200

Asia-Pacific

Suites 4301-4302, 43/F
AIA Kowloon Tower, Landmark East
100 How Ming Street
Kwun Tong, Kowloon
Hong Kong
+852 2230 3308

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