

Solid Edge

Installation and Licensing

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Chapter

1 *System requirements*

Operating system requirements and information

Solid Edge ST6 has been certified to run on the following:

- Windows 8 Enterprise & Windows 8 Professional (32-bit or 64-bit)
- Windows 7 Enterprise, Ultimate or Professional (32-bit or 64-bit) with Service Pack 1
- Internet Explorer 9 (IE 8.0 meets minimum requirements)

Note

Internet Explorer is not required to be the default browser.

Solid Edge stops certifying new releases against an operating system shortly after Microsoft drops mainstream support for it. Solid Edge does not install on Windows XP or Windows Vista.

Hardware system requirements

Recommended system configuration

- 64-bit (x64) processor
- Windows 7 operating system for optimal performance and user experience
- 8 GB RAM or more
- True Color (32-bit) or 16 million colors (24-bit)
- Screen Resolution: 1280 x 1024 or higher, widescreen format
- 3 GB disk space required for installation

Minimum system configuration

- 32-bit (x86) or 64-bit (x64) processor
- Any of the above operating systems
- 2 GB RAM or more
- 65K Colors

- Screen Resolution: 1280 x 1024 or higher
- 3 GB disk space required for installation

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

Solid Edge will not install on machines without Internet Explorer 7.0 or higher. Internet Explorer is not required to be the default browser.

Solid Edge is not supported on Intel Itanium processors.

The 64-bit version of Solid Edge requires 64-bit Windows 8 or 64-bit Windows 7 operating system loaded on Intel EM64T or AMD64 processors. (More details are available in *System Resource Requirements and Information*.)

The 32-bit version of Solid Edge has been certified to run on 64-bit Windows 8 or 64-bit Windows 7 as a 32-bit application. Below are the known issues running on these operating systems. The workaround is to use the 32-bit Internet Explorer.

- The Status and Project tabs are not displayed on the File Properties dialog if activated from Windows Internet Explorer.
- The Solid Edge Graphics Web Part does not display on any 64-bit version of Windows Internet Explorer. Web Parts are not supported in Internet Explorer 10 (64-bit). They are also not supported in Internet Explorer 10 (32-bit) when Enhanced Protected Mode enabled. You are prompted to install the .NET framework when you browse to pages containing Web Parts.

Display System Requirements and Information

Solid Edge will run on graphics drivers that support Windows 7 or Windows 8. Contact your graphics driver manufacturer to determine whether their graphics adapter/driver support these operating systems.

For optimal performance, it is recommended to use a professional graphics card that is designed for CAD applications. For information about cards used in testing Solid Edge and results, refer to the [Certification page of the Support web site](http://support.industrysoftware.automation.siemens.com/gtac.shtml): <http://support.industrysoftware.automation.siemens.com/gtac.shtml>.

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

Note that 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 more details, refer to the [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. Recommendation to resolve these would be to use Normal Fonts (96 DPI).

Solid Edge is optimized for a wide-screen ribbon layout. 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.

To take advantage of High-Quality rendering mode you must use a card that supports Open GL version 3.0.

System Resource Requirements and Information

Earlier versions of Solid Edge were enhanced to access the extended address space that is available on Windows. All running processes, including the Operating System process, share 4 GB of addressable memory available, regardless of the amount of physical RAM. Normally, the operating system reserves 2 GB of space and leaves 2 GB for applications. Running 32-bit operating systems with the /3GB switch added, reserves only 1 GB for the operating system, and leaves 3 GB for applications. This allows you to work with larger datasets without running out of addressable space.

On Windows 7 with administrator privileges, you can run the following command from the command line to enable /3GB switch:

```
BCDEDIT /Set IncreaseUserVa 3072
```

This command tells you what options are part of the OSLOADER family:

```
bcdedit /? types osloader
```

To reset the value, use:

```
bcdedit /deletevalue IncreaseUserVa
```

The 64-bit Solid Edge supports up to 128 GB of physical RAM and 16 terabytes of virtual memory, enabling applications to work with larger data sets. The 64-bit version of Solid Edge requires 64-bit Windows operating systems loaded on Intel EM64T or AMD64 processors.

Page file size should be the maximum size possible. In general, the page file size should be at least twice the amount of memory in the machine, plus the size of files you will use.

Processor Support

Component software delivered with Solid Edge, such as Parasolid and D-Cubed, started phasing out processors not supporting Intel's SSE2 (Streaming SIMD Extensions 2) instruction set. In 2009, these components will only support processors with SSE2.

SSE2 is one of the Intel SIMD (Single Instruction, Multiple Data) processor supplementary instruction sets first introduced by Intel with the initial version of the Pentium 4 in 2001. AMD added support for SSE2 with the introduction of their Opteron and Athlon 64 ranges of AMD64 64-bit CPUs in 2003.

Here is a list of common processors that do not support the SSE2 instruction set:

- AMD CPUs prior to Athlon 64
- Intel CPUs prior to Pentium 4

Solid Edge only supports processors that include the SSE2 instruction set. The Solid Edge installation checks for the presence of such a processor. If this processor does not exist, installation stops and displays a message explaining this dependency.

Temporary File Space

Solid Edge uses temporary file space to save files and to store memory mapped display files. Using temporary file space when saving files helps significantly reduce the size of the resulting file on the destination file system.

You should ensure that you have twice as much free temporary file space as the size of the largest file being saved. The file size includes the size of the assembly, the size of the subassemblies that are being used, and the size of the part files.

Running Solid Edge creates temporary memory mapped files that are used to support the display system. When you open assembly and part files, memory mapped files are created in the *temp* directory on the hard drive only while the files are displayed. The memory mapped files are deleted after exiting the Solid Edge file. If the system runs short on temporary space on the primary drive, you can set an environment variable called `JRENDER_TEMP` and define another folder on a drive with sufficient space and then Solid Edge creates the memory mapped files in the new location.

Running Solid Edge creates a file named `DCCACHE.tmp` in the system *temp* folder. This file is a cache of the file icons displayed on the dialogs for browsing, opening, and saving files.

If Solid Edge files are not properly associated with the product, try deleting this file and restarting the product.

It is good practice to periodically delete files in temporary folders so your system is not using unnecessary disk space.

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):\autostart.exe.
- Use the Run command on the Start menu to run (DVD/CD-ROM drive):\autostart.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.
- Solid Edge requires an installation of Microsoft DirectX 9c. If you do not have it installed, you will be notified by the InstallShield Wizard. Clicking Install will install the component for you.
- 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 install or uninstall template files or add-ins.
 - 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) from the application DVD to manage floating license seats. See [Licensing options](#) for more details.
- Three PDM client setups are available:
 - o Solid Edge SP Client

- o Solid Edge Teamcenter Client
- o Solid Edge Insight Client

To work with Solid Edge documents in a managed environment, select your PDM client and install it after the Solid Edge installation is complete.

- For installation assistance, contact the Global Technical Access Center (GTAC) 800-955-0000.

Installing using the InstallShield Wizard

Use the setup window to define installation settings. Selecting the Modeling standard determines the default templates that are used to create new documents. You can also specify a license file and options file.

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.

You can silently install Solid Edge ST6 using the following command. Be sure to enclose path names in quotes if they contain spaces.

Note

Do not silently install Solid Edge if you use Standard Parts or Web Parts. These components require the .NET framework, and the .NET framework is installed only when you run *setup.exe*.

```
C:\>msiexec /i "D:\CM_SETUP\DISK1\Solid Edge ST6.msi"  
MYTEMPLATE=2  
USERFILESPEXXML="K:\temp\My Docs\Options.xml"  
USERFILESPEC="K:\temp\My Docs\selicense.dat"  
INSTALLDIR="C:\Program Files\Silent Solid Edge\" /qn+  
/l*v "K:\temp\mysilentsetup.log"
```

- The string *D:\CM_SETUP\DISK1\Solid Edge ST6.msi* represents the fully qualified path to the Solid Edge MSI file. The drive letter D is only an example of the drive letter for the DVD ROM. Your drive letter may be different.
- The MSI property MYTEMPLATE indicates which type of template files are to be installed. Ignoring this property defaults the installation to ISO template files.

Integer	Value
1	Metric
2	JIS
3	ISO
4	ANSI
5	DIN

6	UNI
7	ESKD
8	GB

- The MSI Property INSTALLDIR is used to specify the installation folder for the application.
- The MSI Property USERFILESPECXML provides the optional installation of an SE Admin file. You should supply a fully qualified path and filename. This file is copied to the Solid Edge Program folder and processed at the end of the setup.
- The MSI Property USERFILESPEC optionally defines or specifies the license file that will be copied to the Solid Edge Preferences folder at the end of the setup.
- The argument "/qn+" instructs the Windows installer to provide NO user interface and alert you at the completion of the setup using a dialog box. Refer to the Windows help system for further information about Windows Installer arguments. Leaving this argument off the command line will display the setup user interface with selections made and fields provided.

Note

If you are using this option, some installations that require user interaction could fail.

- The argument "/l*v" tells the Windows installer to create a log file of important messages, warnings and errors and write it to the location provided, in this example, K:\temp\mysilentsetup.log. Additional information regarding logging options can be found in the Solid Edge *readme.txt* file.

Installing Multiple Versions

If you are currently running Solid Edge ST4 or ST5 and want to run ST6 or later without replacing your current installation, you can use a silent install.

1. Make sure you have Solid Edge ST4 or ST5 installed locally.
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

Solid Edge ST3 and prior versions are not supported for this type of install. Also, only Solid Edge is supported for multiple version installations. Other applications do not support multiple 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 then Virtual Machine configurations are the recommended method.

Uninstalling

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

Select Solid Edge ST6 from the list of installed products, and click Remove.

Note

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

Chapter

3 *Licensing options*

When you purchase Solid Edge, you can choose between two licensing options: node-locked (standalone) or floating (server managed).

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](#).

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.

Product activation for all machines is usually a one-time activity for node-locked configurations, though changes to node-locked licensing for ST4 require that each machine that will run ST4 be activated, even if it was already activated to run previous versions. In subsequent releases of Solid Edge, a new license file containing all previously activated machines will be provided by e-mail. You only need to activate new licenses for unregistered machines with new releases of the application. License files for ST4 are not compatible with previous versions of Solid Edge, though you may continue to use previous versions with the license files previously created for them.

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 immediately by visiting the [License Management web site](#):

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

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

Once you are logged in to the License management web site, click Product Activation to activate your products. You will need the SE_CID of the machines you wish 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*.

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 11.9.1 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.

Note

Solid Edge License Manager installs as a 32-bit application, so 32-bit and 64-bit operating systems are viable. Refer to the *Readme.htm* file delivered with Solid Edge for all the latest details regarding hardware and software requirements.

Dongles

With floating licensing, the license server must have a server dongle installed. 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.

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.

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*, has been 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>

Log on 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>

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 web site](#):

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

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

Evaluation licensing

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

Web retrieval

Licenses may be retrieved via the web by accessing the [License Management web site](#):

<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 ST6 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, though changes to node-locked licensing for ST4 require that each machine that will run ST4 be activated, even if it was already activated to run previous versions. In subsequent releases of Solid Edge, a new license file containing all previously activated machines will be provided by e-mail. You only need to activate new licenses for unregistered machines with new releases of the application. License files for ST4 are not compatible with previous versions of Solid Edge, though you may continue to use previous versions with the license files previously created for them. You can continue to manage your license configuration using the license management site to add newly purchased products, maintain existing seats, and add modules.

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.

Note

If you pre-registered your node-locked Solid Edge ST6 software via the License Management web site, you will receive an updated permanent license file that has been reissued for the previously registered machine(s). You do not have to reactivate or reregister your existing Solid Edge machines unless you need to make a change.

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 web site, 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 ST6 program group), and follow the **I have a license file** option.

The License Utility will automatically copy the file to the \Solid Edge ST6\Preferences folder. Alternately, you can copy *SELicense.dat* to the \Solid Edge ST6\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):

<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 ST6\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 following ways:

- Save an electronic copy of the Solid Edge license file (*SELicense.dat*) to disk.
- Download an archived *SELicense.dat* file and save it to the \Solid Edge ST6\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 ST6® 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 ST6\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 from the GTAC download website <http://ftp.ugs.com/> or 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 ST6\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 follow the steps below to enter the license key.

1. From the Start menu, choose Programs® Solid Edge ST6® Licensing, and then click License Utility.
2. In the License Utility dialog box, click **I have an Academic Code**.
3. In the License key field, enter the license key number printed inside the cover of the DVD and click OK.

The appropriate license file is generated for you.

4. In the License Utility dialog box, click OK to complete licensing.

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 ST6® Licensing ® License Borrowing.

The License Borrowing dialog box appears.

Note

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 *SELlicense.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. You can find these numbers 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 **UGS 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 will become 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 are required to 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 clear record of the SE_CID numbers and their respective systems. You will enter a machine name and the disk 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 ST6 > 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 web site](#):

<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:
http://ftp.ugs.com/solid_edge/SupportTools/SE_CID_Utility
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. Browser to the [License Management web site](#):

<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 wish 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 wish 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.
You can click **Assign Products** to add products to the newly created machine.
10. Once the machine name appears with the appropriate list of products, click **Finish**.

Note

Products can be removed 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