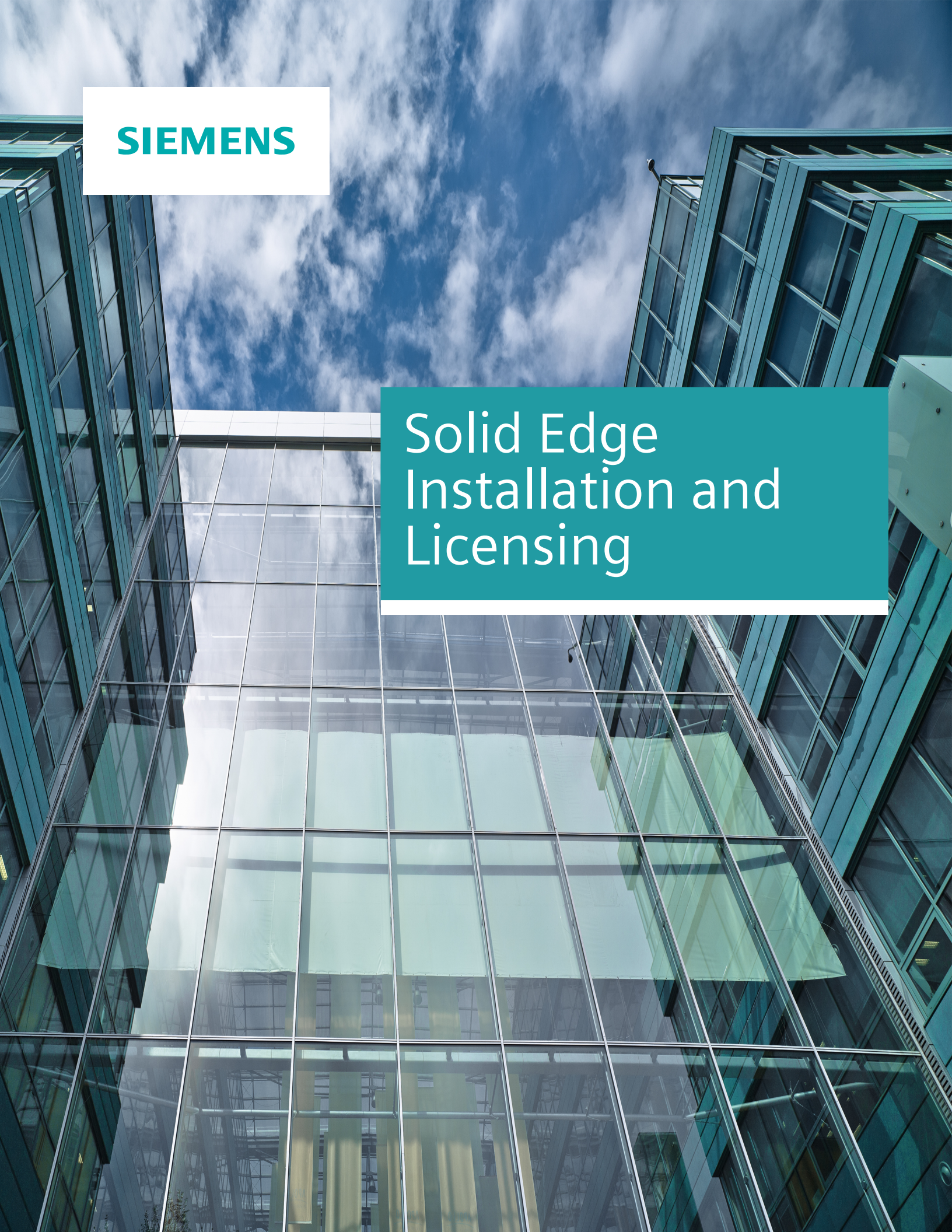


The background of the entire page is a low-angle, upward-looking photograph of a modern glass skyscraper. The building's facade is composed of a grid of glass panels and metal frames, reflecting the sky and clouds. The sky is a vibrant blue with scattered white clouds. In the top left corner, there is a white rectangular box containing the Siemens logo. In the center-right, there is a teal rectangular box containing the title text.

SIEMENS

Solid Edge Installation and Licensing





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Preface

This manual provides general information regarding Solid Edge installation and licensing.

Audience

This manual is intended for administrators, or users with administrator roles, who want to install and license Solid Edge. Access to an account that has Administrator privileges is necessary to perform the actions described in this guide.

Conventions

The following conventions are used to emphasize information:

Tip:

Indicates information that helps you apply the techniques and procedures described in the text.

Note:

Identifies general instructions or comments that need to be emphasized.

Caution:

Identifies practices that can either produce results contrary to what you expect or result in damage to software or data.

Warning:

Identifies practices that could result in permanent loss of data or software.

Additional documentation

There are a few documents referenced throughout this guide that provide supplemental installation and licensing information.

Solid Edge Help Installation Guide (Solid Edge Help Installation Guide.pdf)

<https://download.industrysoftware.automation.siemens.com>

Installing Siemens PLM License Server (SPLM_Licensing_Install.pdf)

Available from Solid Edge installation media \SPLMLicenseServer\SPLM_Licensing_Install.pdf



1. Overview of licensing options

When you purchase Solid Edge, you can choose from several types of licenses:

- **Node-locked (standalone)**
The application is loaded and locked to a single machine by associating the license with a COMPOSITE2 Host ID (CID2) value. This number is unique for each specific machine and is displayed in the Solid Edge License Utility.
- **Cloud-enabled**
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**
Make more efficient use of fewer licenses by sharing them via the network. With floating licenses, the Siemens PLM License Server software manages licenses for use on a network. A feature of floating licenses is license borrowing, enabling customers with floating licenses to check out a license for remote or off-site use.

Note:

In the event of a problem with an existing license file, emergency licenses are available through the License Management website:

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

Node-locked (standalone) licenses

The node-locked (standalone) license configuration requires each machine running the application to have its own license file. The license file is locked to the COMPOSITE2 Host ID (CID2) value of each machine. A license server is not used and no license server software is installed. The product is enabled on a single machine directly from the license file.

When you purchase Solid Edge, you are provided a temporary license for new or unregistered node-locked (standalone) licenses.

Note:

Existing node-locked customers will receive a Solid Edge 2020 license file. This license will not enable Solid Edge 2019 and earlier versions.

Node-locked licenses must be activated using the Siemens License Management web site:

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

You need a WebKey account and password to access the website. For instructions on obtaining a WebKey, see [WebKey and Solid Edge COMPOSITE2 Host ID number information](#).

Detailed instructions for the product activation process are included in [Activating and installing node-locked licenses](#).

Cloud-enabled licenses

A cloud-enabled license functions similarly to a node-locked license. However, the cloud-enabled license is locked to a person by their WebKey username and password, instead of a machine's COMPOSITE2 (CID2) Host ID. 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 [WebKey and Solid Edge COMPOSITE2 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.

For additional information regarding cloud-enabled licenses, contact your Siemens Solutions Partner.

Floating licenses

With a floating license, you can install Solid Edge on as many computers as needed on your network, and a license server controls the pool of licenses available. Users check out licenses from the pool, not to exceed the total number of purchased seats. The license file used in a floating configuration establishes the location of the license server and the number of available licenses. The Siemens PLM License Server manages floating licenses for Solid Edge.

Note:

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.

Emergency licensing

Emergency standalone licensing is available in a situation where the product will not run because of problems with the current licensing method. 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.

2. Activating and installing node-locked licenses

As a new customer, when you receive Solid Edge you also receive a temporary license with which you can run Solid Edge 2020 immediately. To obtain a permanent node-locked license, you must activate your license through the web-based licensing procedure.

Note:

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

License 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. License activation for all machines is usually a one-time activity for node-locked configurations. The activation process is completed by accessing the **License Management web site**:

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

A WebKey is required to access the site.

You will need the COMPOSITE2 (CID2) number and a unique simple machine name for each machine.

Note:

The name of a machine is limited to 20 characters.

Activating a node-locked 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. Access the **License Management web site**:
<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>
2. Enter your WebKey and 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**.

- Click **Create New Machine** to activate a machine and assign products to it.
- 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. The name of a machine is limited to 20 characters.

- Enter the COMPOSITE2 (CID2) number of the machine you identified. The COMPOSITE2 (CID2) number is shown in the Solid Edge 2020→License Utility. Learn more about obtaining the CID2 number in [WebKey and Solid Edge COMPOSITE2 Host ID number information](#).
- Click **Create** to generate your new license. To add products to the newly created machine, click **Assign Products**.
- After the machine name appears with the appropriate list of products, click **Finish**.

Note:

To remove products from the list for a machine, click Remove Products.

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

Installing a node-locked license

Once you have activated your license, you need to make it available for use. You have the option to:

- Provide the location of the license file in the Solid Edge InstallShield Wizard when you install Solid Edge.
- Use the Solid Edge License Utility to define the location of your license file.

Use the License Utility to specify the location of your license file

You can use the License Utility to provide the location of an existing Solid Edge license file.

- From the **Start** menu, choose **Siemens Solid Edge 2020→License Utility**.
- Select the license option, **I have a license file**.
- Browse to locate your license file and then click **Open**.
- To complete licensing, click **OK**.

Remote activation of node-locked licenses

You are not required to activate your licenses from each machine being licensed. The process can be completed by a system manager from any machine. For sites with five or more seats, it is recommended that a system manager or CAD manager complete the activation process.

You can remotely activate licenses if you have available:

- A list of machine names.
- The COMPOSITE2 (CID2) number of each machine.
- A list of products for assignment to each machine.

The following workflow describes the steps for activating multiple licenses remotely:

1. Access the **License Management web site**:

<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>
and log on using a WebKey.

2. Create the machine list.
3. Assign product licenses to each machine in the list.
4. After activating all the machines, generate and download your license file.

A single *SELICENSE.lic* file is created which contains all the machines you activated.

5. Once you have a copy of the license file, save the file to a location either on the local system or on your network.

3. Configuring floating licenses

Configuring floating licenses involves identifying a license server, installing and configuring Siemens PLM License Server, and installing Solid Edge on the client machines.

Identifying a license server

The license server is the computer on your network on which the Siemens PLM License Server (SPLM) software will reside. The license server can be any computer on your network that meets the criteria defined in the guide, *Installing Siemens PLM License Server* (SPLM_Licensing_Install.pdf) accessible from the Solid Edge installation media.

The license server can also be a machine that runs Solid Edge. In this configuration, the operating system of the license server must be supported by Solid Edge. For a list of operating systems supported with Solid Edge, review the Solid Edge *readme.htm* file or the chapter of this guide.

The Siemens PLM License Server and the client machines must be running the TCP/IP protocol and must be able to communicate with one another over the network.

Note:

The Siemens PLM License Server is a common license server that is shared by several Siemens PLM Software products. It is not backward compatible with license servers previously used by Siemens PLM Software products. However, both the old and new license server software can be installed on the same system.

Installing the Siemens PLM License Server software

Once you have identified a computer that will serve your licenses, you must install Siemens PLM License Server (SPLM) on that computer. The SPLM License Server is available for installation from your Solid Edge installation media in the `\SptTools\SPLMLicenseServer` folder, or from the Siemens PLM Download Server, <https://download.industrysoftware.automation.siemens.com>.

Before starting the installation:

- Ensure you have a license file. You will not be able to complete the installation without a license file.
- Verify that the installation will be run from a user account that has administrative permissions.

To install the License Server on a Windows operating system, from the Solid Edge installation media, launch `SPLMLicenseServer_[version]_win_setup.exe` and follow the instructions. Refer to the *Installing Siemens PLM License Server* guide for advanced installation options such as running the installation without a graphical user interface.

Note:

The SPLM Licensing installation is only required on the license server. It is not necessary to install the license server on clients unless the client is also a license server.

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 ability to borrow licenses requires an extra feature in your license file. Your Siemens PLM representative can provide information about purchasing the capability to borrow licenses.

Solid Edge uses the Siemens PLM Software Licensing Tool to manage borrowing and returning licenses. You can use the graphical user interface or the command line to interact with the tool.

To borrow a license

1. Choose **Start→Siemens Solid Edge 2020→License Borrow**.
2. Click **Borrow Settings**.
3. Click **Borrow**.
4. In the **Borrow Licenses** list, select the applications for which you want to borrow a license.
5. Set the date you expect to return the borrowed licenses.

Note:

The duration of borrowed licenses is up to 120 days (2880 hours).

6. Click **OK**, and then click **Apply**.
The dialog box updates to display the licenses being borrowed with their return dates.
7. (Optional) To modify the return date, select the check box that corresponds to the license you want to change, click **Change**, and set the return date.

The license 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.

To return licenses

You can return individual or all borrowed licenses, or you have the option to let the licenses expire. To return the licenses before the borrowing period ends:

1. Choose **Start**→**Siemens Solid Edge 2020**→**License Borrow**.
2. Click **Borrow Settings**.
3. Select the check box that corresponds to the license you want to return, and then click **Return**.

Tip:

To select all licenses in the list, click the check box at the top-left of the menu.

4. To complete the process, click **Apply**.

Using the command line interface

The command line interface to the Siemens PLM Software Licensing Tool, **lictool.exe**, provides similar functions as the graphical user interface (GUI). The tool is delivered to the `\Siemens\Solid Edge 2020\Program` folder when you install Solid Edge. Use options in the following table to interact with **lictool** from a command prompt.

To	Use this
Display help information.	<code>lictool --help</code>
Display a list of licenses available to borrow.	<code>lictool --getborrowable</code>
Display a list of borrowed licenses.	<code>lictool --getborrowed</code>
Borrow licenses. Use --days to specify number of days.	<code>lictool --borrow "<product>"</code> <code>lictool --borrow "<product>" --days 30</code>
Return borrowed licenses.	<code>lictool --return "<product>"</code>
Display Composite Host ID information.	<code>lictool --getcid</code>
Display client environment settings.	<code>lictool --getclientinfo</code>
Display server environment settings.	<code>lictool --getserverinfo</code>
Change the current license server.	<code>lictool --setserver</code>

4. Academic licenses

There are two types of Solid Edge Academic licenses:

- Academic Student Edition (solidedgeacademic) — for student use.
- Academic University Edition (solidedgeacademicu) — for university or classroom use. This license includes access to the Teamcenter Integration for Solid Edge (SEEC), and Standard Parts.

You do not need a license server to set up either license.

Solid Edge Academic Student Edition licenses

After requesting Solid Edge, students receive an email that contains a link for downloading the product. When the .exe is run, Solid Edge is installed and a perpetual license for Solid Edge is put in place for you.

Solid Edge AcademicU licenses

AcademicU licenses are not tied to a specific machine and can be shared with students.

You can download a license file from the [License Management](#) web page using the Sold To number and WebKey login and password.

To configure your license, install Solid Edge and specify the location for your license file.

Working with Solid Edge using Academic or AcademicU licenses

Academically licensed Solid Edge works identically to other versions of the product with the following exceptions:

- When a drawing is printed from Solid Edge licensed with an Academic or AcademicU license, the output includes the watermark, **Solid Edge Academic Copy**.
- Files saved in Solid Edge using either the Academic or AcademicU license can only be opened by Solid Edge using an Academic or AcademicU license. Academically licensed files will not open in other versions of Solid Edge.

5. WebKey and Solid Edge COMPOSITE2 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.

Note:

If you do not have this information, contact your Siemens Solutions Partner or the Global Customer Support & Success (GCS&S) team.

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.
5. Complete the WebKey Account Request 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 instructions 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 COMPOSITE2 Host ID number

When you activate Solid Edge licenses, you must provide the Solid Edge COMPOSITE2 Host ID number (CID2) of each machine. There are several ways of obtaining the CID2 number:

- Read the number from installed seats.
- Obtain the number from the Product Activation web page.

- Run the `getcid` utility.
The `getcid.exe` is delivered with Solid Edge in the `\Siemens\Solid Edge 2020\Program` folder.

Note:

If you will be activating multiple systems, you should maintain a record of the CID2 numbers and their respective systems.

Reading the CID2 number from installed seats

- Click **Start**→**Siemens Solid Edge 2020**→**License Utility**.
Your COMPOSITE2 (CID2) number is displayed in the dialog box.

Obtaining the CID2 number from the Product Activation web page

1. From a system that already has Solid Edge installed, open a web browser and access the **License Management website**:
<https://www2.industrysoftware.automation.siemens.com/LicenseManagement/Application>
2. Click **Get Number**.
A utility is run to determine the CID2 number and the number is displayed on the web page.

Obtain the COMPOSITE2 from the `getcid` utility

1. Access the `\Siemens\Solid Edge 2020\Program` folder.
2. Run `getcid.exe`.

Tip:

You can use the command line option `getcid -composite2` to show the COMPOSITE2 value.

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About Siemens PLM Software

Siemens PLM Software, a business unit of the Siemens Industry Automation Division, is a leading global provider of product lifecycle management (PLM) software and services with 7 million licensed seats and 71,000 customers worldwide.

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