



# Siemens Digital Industries Software License Server Installation Instructions

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# 1. Installation and Maintenance

This document provides instructions and information for anyone who installs and manages the Siemens License Server on supported systems. Licensing releases have version identifiers and release schedules that are different from Siemens Digital Industries Software products. For overall information about licensing, refer to the *Siemens Digital Industries Software Licensing Manual for PLM Products* and the *Siemens Digital Industries Software Licensing Manual for Siemens EDA Products*.

The Siemens License Server Installer installs the Siemens Common Vendor Daemon, saltd, in place of the following license servers:

- Siemens (saltd)
- Siemens PLM (ugslmd)
- Siemens EDA (mgclmd)
- CD-adapco (cdlmd)
- HEEDS (RCTECH)

When updating an existing license server, the latest version of saltd is installed. For more information, refer to KB article [MG620326](#) "Siemens Advanced Licensing Technology (SALT) Server Migration Guide."

## Note

Installing a license server is not necessary for software products that use a standalone node-locked configuration for licensing or support a mobile compute scenario because licensing information comes directly from a license file that is locked to a specific piece of hardware. In these cases, a license server is not required.

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## Pre-Installation Requirements and Considerations

Before you install the Siemens License Server, you should be aware of certain requirements and recommendations regarding your operating system, the license file, administrative access, and your firewalls.

## System Requirements

The Siemens License Server Installer supports the following platforms and checks to make sure your system meets the minimum requirements.

**Table 1-1: Supported Platforms**

Operating System	Hardware Architecture	Operating System Version(s)
Linux 64-bit	x86-64	Red Hat Enterprise 8 Red Hat Enterprise 9 SUSE SLES 15 SP4 SUSE SLES 15 SP5
Linux 64-bit	ARMv8-A	Red Hat Enterprise 8 Red Hat Enterprise 9 SUSE SLES 15 SP4 SUSE SLES 15 SP5
Windows 64-bit	x86-64	Windows 10 <sup>1</sup> Windows 11 <sup>1</sup> Windows Server 2019 Windows Server 2022

## License File

The Siemens License Server Installer enables you to add or replace an existing license file, so you should know where your new license file is located. You can still install the Siemens License Server without a license file, but the installation process will not create the corresponding license manager service.

## Administrative Access

You must have administrative privileges to install or update licensing software. If you receive a warning that you do not have these privileges, exit the Siemens License Server Installer and restart the installation process as an administrator.

<sup>1</sup> Best practice is to run license servers on a server-based operating system.

## Firewalls

You will need to grant license server access through firewalls if you have not done so already. The Siemens License Server Installer can do this automatically when the "Allow License Server access through local firewall" check box is selected in the Confirm Installation window. See [Installing the License Server](#).

## Installing the License Server

The Siemens License Server Installer provides an easy way to install the license server as well as perform other tasks such as repairing or updating an existing installation, replacing an existing license file, adding a new license file, or uninstalling the licensing software.

### Prerequisites

- Refer to [Pre-Installation Requirements and Considerations](#).

### Procedure

1. Run the executable file, either *SiemensLicenseServer\_<version>\_<platform>.exe* on Windows or *SiemensLicenseServer\_<version>\_<platform>.bin* on Linux.

#### Note

If a previous version of the Siemens EDA (mgcld), Siemens PLM (ugslmd), CD-adapco (cdlmd), or HEEDS (RCTECH) license server exists, the installer provides the Update License Server Software option. For more information, see [Updating the License Server](#), [Repairing the License Server](#), and [Updating the License File](#).

2. (Optional) In the "Import Licenses from" field, type the path or browse to the license file location. Click **Next**.

#### Note

If you do not select a license file and then click **Skip**, you can specify a license file after you install the license server or when you run the installer again. If you do not specify a valid license file, the installer does not start the license manager service.

3. The Port Changes window opens and notifies you that your licenses are served from port 29000 and that your vendor daemon uses port 29001.

To edit these ports before installing the license server, select the Advanced Settings check box and type the changes. Make sure the ports are not in use and do not match. Also, make sure to update the SALT\_LICENSE\_SERVER environment variable with the new ports. Click **Next**.

4. In the Installation Location window, type the path or browse to the location where you want to install the license server. The field shows the default location. Click **Next**.
5. In the Enter Webkey window, type your Siemens account (Webkey) or Support Center login, which is in email address format. Or, if you do not yet have a Siemens account, type the email that you

will provide when you sign up for an account. The email you enter in this window is encrypted and stored locally on the server and is not sent to Siemens or used for any other purpose. Providing a Webkey installs the Siemens License Install Manager (SLIM), enabling you to manage your license servers remotely from a Windows machine on your network. If you do not want to install SLIM, select the "I don't want this feature" check box. Click **Next**.

### Note

To facilitate administrative tasks on this license server such as updating license files, applying server patches, and viewing the server status, download Siemens Software Center 2.0 from <https://www.sw.siemens.com/en-US/siemens-software-center/>.

6. In the Confirm Installation window, verify the information. To skip adding firewall rules that allow clients to connect to this server, unselect the "Allow License Server access through local firewall" check box. Click **Next**.

### Note

If you are importing a license file for a redundant (triad) server, the license server installation will pause and open the Starting Server dialog box in the Configuring Service window. This gives you the opportunity to run the Siemens License Server Installer on the other machines. After the Starting Server dialog box opens on all machines, click **Ready to Connect** on each machine. This starts each redundant server at the same time, which is required.

## Results

The Siemens License Server Installer installs the license server and, if you imported a license file, performs the following:

- On Windows, starts a license manager service running as user=LocalService.

### Note

If you move the license file from the default location and use LMTOOLS to manage the license service, make sure you place the license file in a directory that has LocalService permissions.

- On Linux, starts a license manager service running as user=saltd, group=saltd.
- On Windows and Linux, starts the Siemens License Install Manager (SLIM) service unless you selected the "I don't want this feature" check box in the Enter Webkey window.

## Related Topics

[Updating the License Server](#)

[Repairing the License Server](#)

[Updating the License File](#)

[Uninstalling the License Server](#)

[Installing the License Server From the Command Line](#)

# Updating the License Server

Use the Siemens License Server Installer to update the currently installed license server.

Updating to v2.0 migrates mgcld, ugsImd, cdlmd, and RCTECH vendor daemons to the saltD vendor daemon. You will still be able to use your existing license files.

## Prerequisites

- You have a license server installed.

## Procedure

1. Run the executable file, either *SiemensLicenseServer\_<version>\_<platform>.exe* on Windows or *SiemensLicenseServer\_<version>\_<platform>.bin* on Linux.
2. The Manage Software window opens with the Update License Server Software option selected by default. Click **Next**.
3. The Port Changes window opens and notifies you that your license files have been moved and are now served from port 29000 and that your vendor daemon now uses port 29001.

To edit these ports before installing the license server, select the Advanced Settings check box and type the changes. Make sure the ports are not in use and do not match. Also, make sure to update the SALT\_LICENSE\_SERVER environment variable with the new ports. Click **Next**.

### Note

If the port number has changed, make sure you update the SALT\_LICENSE\_SERVER environment variable with the new port for every client using *port@host*.

4. If you are updating your license server from v1.x to v2.0, the Enter Webkey window opens. Type your Siemens account (Webkey) or Support Center login, which is in email address format. Or, if you do not yet have a Siemens account, type the email that you will provide when you sign up for an account. The email you enter in this window is encrypted and stored locally on the server and is not sent to Siemens or used for any other purpose. Providing a Webkey installs the Siemens License Install Manager (SLIM), enabling you to manage your license servers remotely from a Windows machine on your network. If you do not want to install SLIM, select the "I don't want this feature" check box. Click **Next**.

### Note

To facilitate administrative tasks on this license server such as updating license files, applying server patches, and viewing the server status, download Siemens Software Center 2.0 from <https://www.sw.siemens.com/en-US/siemens-software-center/>.

5. In the Confirm Installation window, verify the information. To skip adding firewall rules that allow clients to connect to this server, unselect the "Allow License Server access through local firewall" check box. Click **Next**.

### Note

If your license file is for a redundant (triad) server, the license server installation will pause and open the Starting Server dialog box in the Configuring Service window. This gives you the opportunity to run the Siemens License Server Installer on the other machines. After the Starting Server dialog box opens on all machines, click **Ready to Connect** on each machine. This starts each redundant server at the same time, which is required.

## Results

The Siemens License Server Installer reinstalls the binaries and updates them if the license server version is newer than the installed version. When updating to v2.0, the Siemens License Server Installer migrates the mgcmd, ugslmd, cdcmd, and RCTECH vendor daemons to the saltd vendor daemon.

# Repairing the License Server

Use the Siemens License Server Installer to repair the currently installed license server.

## Prerequisites

- You have a license server installed.

## Procedure

1. Run the executable file, either *SiemensLicenseServer\_<version>\_<platform>.exe* on Windows or *SiemensLicenseServer\_<version>\_<platform>.bin* on Linux.

The Manage Software window opens with the Update License Server Software option selected by default.

2. Select the Repair Licensing Server Software option (or, if a newer version of the Siemens License Server Installer exists, the Upgrade Licensing Server Software option) and click **Next**.
3. The Port Changes window opens and notifies you that your license files have been moved and are now served from port 29000 and that your vendor daemon now uses port 29001.

To edit these ports, select the Advanced Settings check box and type the changes. Make sure the ports are not in use and do not match. Also, make sure to update the SALT\_LICENSE\_SERVER environment variable with the new ports. Click **Next**.

### Note

If the port number has changed, make sure you update the SALT\_LICENSE\_SERVER environment variable with the new port for every client using *port@host*.

4. In the Enter Webkey window, type your Siemens account (Webkey) or Support Center login, which is in email address format. Or, if you do not yet have a Siemens account, type the email that you will provide when you sign up for an account. The email address you enter in this window replaces

any email you entered previously and is encrypted and stored locally on the server and is not sent to Siemens or used for any other purpose. If you have already entered a Webkey, the "Keep the current Webkey" check box is selected by default. Unselecting the check box enables you to enter a different Webkey.

5. Click **Next**.
6. In the Confirm Installation window, verify the information. To skip adding firewall rules that allow clients to connect to this server, unselect the "Allow License Server access through local firewall" check box. Click **Next**.

#### Note

If your license file is for a redundant (triad) server, the license server installation will pause and open the Starting Server dialog box in the Configuring Service window. This gives you the opportunity to run the Siemens License Server Installer on the other machines. After the Starting Server dialog box opens on all machines, click **Ready to Connect** on each machine. This starts each redundant server at the same time, which is required.

## Results

The Siemens License Server Installer reinstalls the binaries and updates them if the license server version is newer than the installed version. The repair also stops and restarts the license manager service.

## Updating the License File

Use the Siemens License Server Installer to update your license file. Be aware that this action overwrites your current license file. This action also updates the license server to a newer version, if necessary.

#### Note

For Siemens EDA products, find more information about adding license files on Windows and adding or replacing license files on Linux in the *Siemens Digital Industries Software Licensing Manual for Siemens EDA Products*.

## Prerequisites

- You have a license server installed.
- You know where the license file you want to import is located.

## Procedure

1. Run the executable file, either *SiemensLicenseServer\_<version>\_<platform>.exe* on Windows or *SiemensLicenseServer\_<version>\_<platform>.bin* on Linux.

The Manage Software window opens with the Update License Server Software option selected by default.

2. Select the Add/Replace License File option and click **Next**.
3. In the "Import Licenses from" field, type the path or browse to the license file you want to import. Click **Next**.

### Note

If you are importing a license file for a redundant (triad) server, the license server installation will pause and open the Starting Server dialog box in the Configuring Service window. This gives you the opportunity to run the Siemens License Server Installer on the other machines. After the Starting Server dialog box opens on all machines, click **Ready to Connect** on each machine. This starts each redundant server at the same time, which is required.

## Results

The Siemens License Server Installer overwrites the current license file with the imported license file. The license file is imported to `C:\ProgramData\Siemens\License Server\ActiveLicenses<vendor>.lic` on Windows and `<installation_target_directory>/ActiveLicenses/<vendor>.lic` on Linux where `<vendor>` is `saltd`, `mgld`, `ugslmd`, `cdlmd`, or `RCTECH`. The Siemens License Server Installer also changes the license server port in the license file to either 29000, which is the default, or to a user-specified port.

## Related Topics

### Updating the License Server

## Uninstalling the License Server

Use the Siemens License Server Installer to remove the license server software.

### Note

Alternatively, on Windows, you can run the executable file from the default location `C:\Program Files\Siemens\License Server\Uninstall.exe` or uninstall from the Windows Control Panel.

Alternatively, on Linux, you can run `Uninstall.bin` from the default location `/opt/Siemens/LicenseServer`.

## Prerequisites

- You have a license server installed.

## Procedure

1. Run the executable file, either `SiemensLicenseServer_<version>_<platform>.exe` on Windows or `SiemensLicenseServer_<version>_<platform>.bin` on Linux.

The Manage Software window opens with the Update License Server Software option selected by default.

2. Select the Remove Software option, which clears the Update License Server Software option. Click **Next**.
3. In the Confirm Removal window, verify the removal information and click **Next**.

## Results

The Siemens Licenser Server Installer stops the license server, uninstalls the license manager service, and removes the licensing software. The uninstall also stops and removes the Siemens License Install Manager (SLIM) service. The uninstall does not remove the license file, log files, or any user-added files.

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<https://support.sw.siemens.com>

If your site is under a current maintenance contract but you do not have a Support Center login, register here:

<https://support.sw.siemens.com/register>



## 2. Troubleshooting

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If you encounter problems during license server installation, first review the log files. This section also describes some common issues and how to solve them.

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<b>Common Issues</b> .....	<b>2-1</b>

### Review the Log Files

After installing the license server, two log files are available for you to review: the log file for the install and the debug log file for the license manager service.

#### Installation Log

The license server installation process creates a log file that you should review if any problems occur during the installation. Either click the **View Log** button on the Installation Complete window or find the file at the following default location:

- On Windows  
*C:\Program Files\Siemens\License Server\logs\log\_<digits>.txt*
- On Linux  
*/opt/Siemens/LicenseServer/logs/log\_<digits>.txt*

#### Server Debug Log

The license server installation process creates a debug log file for the vendor daemon's license manager service. Find the file at the following location:

- On Windows  
*C:\ProgramData\Siemens\License Server\sald.log*
- On Linux  
*<installation\_target\_directory>/sald.log*

### Common Issues

After installing the license server, you may encounter one of the following issues.

Table 2-2: Common Problems Summary

Problem	Description
<b>Inconsistent Authentication Code</b>	Invalid license key (inconsistent authentication code).
<b>Incorrect Host</b>	Wrong hostid on SERVER line for license file.
<b>Invalid Server Name Present</b>	Not a valid server name; exiting.
<b>License Server Does Not Support This Feature</b>	(Siemens EDA products only) A message displays in the server debug log file similar to "The following FlexNet errors were found: Server 29000@lichost: No such feature exists."
<b>(Windows only) LMTOOLS Fails to Restart Service</b>	The license service fails to start after using LMTOOLS to set the license file and/or server debug log file location.
<b>(Windows only) Server Fails to Start as a Service After LMTOOLS is Used</b>	If you use LMTOOLS to alter the location of the server debug log file, the server may not start as a service.
<b>Vendor Daemon Not Detected Following the Install</b>	The installation is complete but is unable to confirm that the server is up and running.

## Inconsistent Authentication Code

Invalid license key (inconsistent authentication code).

### Solution

Table 2-3: Causes and Solutions

Cause	Solution
A non-editable field in the license file was modified.	Do not modify any host ID fields or INCREMENT lines in the license file. You can download a valid copy of your license file from <b>Account Center</b> .
The license file was generated incorrectly.	Open a Support Case at <a href="https://support.sw.siemens.comsupport-case/open">https://support.sw.siemens.comsupport-case/open</a> .
The license file has too many SERVER lines.	Make sure that your license file only includes licenses for this server and does not contain unintended SERVER lines.

## Incorrect Host

Wrong hostid on SERVER line for license file.

### Solution

Table 2-4: Causes and Solutions

Cause	Solution
You are running the license server on the wrong machine.	Verify the host ID. On Linux, use <code>lmutil lmhostid</code> , and on Windows, use <code>LMTOOLS</code> . If the host ID does not match the host ID in the license file, open a Support Case at <a href="https://support.sw.siemens.comsupport-case/open">https://support.sw.siemens.comsupport-case/open</a> to acquire a new license file.
The hardware key driver is not installed or the key is not plugged in.	Install the hardware key driver and make sure the key is plugged in.

## Invalid Server Name Present

Not a valid server name; exiting.

### Causes

The license file has a hostname on the SERVER line that does not match the hostname of the machine.

### Solution

Open the license file that you imported during the installation and make sure the hostname matches the return value of the `lmutil lmhostid -hostname` command on your machine. Then restart the license manager service by running a repair from the command line; see [SiemensLicenseServer Command](#) for more information.

## License Server Does Not Support This Feature

(Siemens EDA products only) A message displays in the server debug log file similar to “The following FlexNet errors were found: Server 29000@lichost: No such feature exists.”

### Note

A license request may be hard-coded into the application. If the application works properly, you can ignore the message.

## Solution

Table 2-5: Causes and Solutions

Causes	Solution
A client application requests a license, incorrectly assuming the server has the license.	Set the SALT_LICENSE_SERVER environment variable on the client to <i>port@host</i> . For information about SALT_LICENSE_SERVER, see the <i>Siemens Digital Industries Software Licensing Manual for Siemens EDA Products</i> .
The SALT_LICENSE_SERVER environment variable is set to a license file that is different from the license file the server is using.	
The license is not in the license file.	You will need to purchase the product and download the new license.

## (Windows only) LMTOOLS Fails to Restart Service

The license service fails to start after using LMTOOLS to set the license file and/or server debug log file location.

### Causes

The license service is run as user=LocalService, and LMTOOLS may have insufficient modification rights to do the following:

- Read the license file
- Create and append to the server debug log

### Solution

Do one of the following:

- Use the default locations that the Siemens License Server Installer uses.
  - (For the license file) *C:\ProgramData\Siemens\License Server\ActiveLicenses\<vendor>.lic*
  - (For the server debug log) *C:\ProgramData\Siemens\License Server\<vendor>.log*
- Specify a directory location that user=LocalService can modify.

To determine whether a directory has LocalService permissions, go to the directory location in File Explorer, right-click the folder, choose **Properties**, and click the **Security** tab. Search the "Group or user names" data for "LOCAL SERVICE."

## (Windows only) Server Fails to Start as a Service After LMTOOLS is Used

If you use LMTOOLS to alter the location of the server debug log file, the server may not start as a service.

### Causes

Windows is running the service as user=LocalService, and the LOCAL SERVICE account does not have full permissions to the server debug log file location.

### Solution

Provide LocalService full permissions on the folder containing the server debug log file. To determine whether a directory has LocalService permissions, go to the directory location in File Explorer, right-click the folder, choose **Properties**, and click the **Security** tab. Search the "Group or user names" data for "LOCAL SERVICE."

## Vendor Daemon Not Detected Following the Install

The installation is complete but is unable to confirm that the server is up and running.

### Solution

**Table 2-6: Causes and Solutions**

Causes	Solution
The install did not wait long enough for the license manager service to start before checking the status.	<p>Run the lmutil utility to test whether the server is communicating. The lmutil utility is a command-line license administration tool that you can also run from the client if the lmutil executable is present.</p> <p>To use the lmutil utility to check whether the license daemon is running:</p> <ol style="list-style-type: none"> <li>1. Open a command prompt or shell.</li> <li>2. Change the directory to the installation target directory.</li> <li>3. Run lmutil with the lmstat option and license server arguments.</li> </ol> <pre>lmutil lmstat -c port@host -a</pre>

Causes	Solution
	<p>Where <i>port</i> is the port number from the license file and <i>host</i> is the hostname of the license server.</p> <p>If the test fails to connect to the license server, the license server is either not running or is having trouble communicating with the system on which the test was run. Check the server debug log file for errors and to confirm that no firewalls are up and running between the client system and the server. On Windows, you can run the LMTOOLS utility to query the server.</p>
<p>The Siemens License Server Installer changed the vendor daemon port when you updated the Siemens License Server to v2.0, and the SALT_LICENSE_SERVER environment variable is pointing to the old port. Updating the License Server to v2.0 migrates the mgclmd, ugslmd, cdldm, and RCTECH vendor daemons to the saltd vendor daemon and changes the port. For more information, see <a href="#">Updating the License Server</a>.</p>	<p>Update the SALT_LICENSE_SERVER environment variable to the new port.</p>
<p>You still have an mgclmd, ugslmd, cdldm, or RCTECH license server running on the machine. If this is the case, the server debug log file will contain a message similar to the following:</p> <pre data-bbox="170 1312 641 1465">(saltd) cannot create semaphore lock (Global\LM_saltd_SEMAPHO RE): 1</pre>	<p>Stop the other vendor daemons.</p>

## Related Topics

[Review the Log Files](#)

## 3. Advanced Installation Topics

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Siemens Digital Industries Software provides several installation features that are intended for experienced system administrators.

<a href="#">Installing the License Server From the Command Line.....</a>	<a href="#">3-1</a>
<a href="#">SiemensLicenseServer Command.....</a>	<a href="#">3-3</a>

### Installing the License Server From the Command Line

Rather than using the Siemens License Server Installer in GUI mode to install the license server, you can install from the command line either interactively (with prompts) or non-interactively (without prompts).

Before you begin, refer to [Pre-Installation Requirements and Considerations](#). For complete command syntax, option descriptions, and examples, refer to [SiemensLicenseServer Command](#).

#### Interactive Install

An interactive install uses command prompts to guide you through the installation. Type the following on the command line:

On Windows

```
SiemensLicenseServer_<version>_<platform>.exe -text
```

On Linux

```
SiemensLicenseServer_<version>_<platform>.bin -text
```

#### Non-Interactive Install

A non-interactive install does not use command prompts because you enter a value for the arguments with the initial command. This install method is useful for system administrators who want to automate the installation with scripts. Type the following on the command line:

On Windows

```
SiemensLicenseServer_<version>_<platform>.exe <arguments>
```

On Linux

```
SiemensLicenseServer_<version>_<platform>.bin <arguments>
```

### Related Topics

[Installing the License Server](#)  
[SiemensLicenseServer Command](#)

## SiemensLicenseServer Command

Use the SiemensLicenseServer command to either install the license server interactively (with prompts) or non-interactively (without prompts) from the command line. You must run this command with administrative privileges.

### Note

For more information about interactive and non-interactive installation, see [Installing the License Server From the Command Line](#).

### Note

To install the license server with the Siemens License Server Installer in GUI mode, type the SiemensLicenseServer command without any arguments. See [Installing the License Server](#) for more information.

## Syntax

### Note

Brackets ([ ]) enclose optional arguments, braces ({ }) enclose arguments to show grouping, and a vertical bar (|) indicates an either/or choice among items.

## Windows Interactive

```
SiemensLicenseServer_<version>_<platform>.exe -text
```

## Linux Interactive

```
SiemensLicenseServer_<version>_<platform>.bin -text
```

## Windows Non-Interactive

```
SiemensLicenseServer_<version>_<platform>.exe -silent -webkey user_email_address [-update | -repair | -remove] [-licensefile license_file] [-destination directory] [-noSlim] [-licensePort license_server_port] [-vendorPort vendor_daemon_port] [-allowfirewall] [-unzip [directory]]
```

```
SiemensLicenseServer_<version>_<platform>.exe { -update | -repair } [-webkey user_email_address] [-licensefile license_file] [-destination directory] [-noSlim] [-licensePort license_server_port] [-vendorPort vendor_daemon_port] [-allowfirewall] [-unzip [directory]]
```

```
SiemensLicenseServer_<version>_<platform>.exe -remove
```

```
SiemensLicenseServer_<version>_<platform>.exe -version
```

SiemensLicenseServer\_<version>\_<platform>.exe -help

## Linux Non-Interactive

SiemensLicenseServer\_<version>\_<platform>.bin -silent -webkey *user\_email\_address* [-update | -repair | -remove] [-licensefile *license\_file*] [-destination *directory*] [-user [*user\_name*]] [-noSlim] [-licensePort *license\_server\_port*] [-vendorPort *vendor\_daemon\_port*] [-allowfirewall] [-unzip [*directory*]]

SiemensLicenseServer\_<version>\_<platform>.bin {-update | -repair} [-webkey *user\_email\_address*] [-licensefile *license\_file*] [-destination *directory*] [-noSlim] [-licensePort *license\_server\_port*] [-vendorPort *vendor\_daemon\_port*] [-allowfirewall] [-unzip [*directory*]]

SiemensLicenseServer\_<version>\_<platform>.bin -remove

SiemensLicenseServer\_<version>\_<platform>.bin -version

SiemensLicenseServer\_<version>\_<platform>.bin -user [*user\_name*]

SiemensLicenseServer\_<version>\_<platform>.bin -help

## Arguments

The command name includes the version and the platform.

- -text  
Launches the Siemens License Server Installer in command-line interactive mode.
- -silent  
Launches the Siemens License Server Installer in non-interactive mode. Installs the licensing software to the default target location, which is “C:\Program Files\Siemens\License Server” on Windows and /opt/Siemens/LicenseServer on Linux, unless you specify another location with the -destination argument.
- -webkey *user\_email\_address*  
Sets the Siemens account (Webkey), Support Center login, or email of the authorized administrator for the license server. This argument is optional if a Webkey has already been entered.
- -update  
Updates the licensing software to the new bundled version. The -update argument only applies to servers installed with the Siemens License Server Installer.
- -repair  
Repairs an existing installation by overwriting modified files. The -repair argument shuts down and restarts the license manager service.
- -licensefile *license\_file*

Copies the specified valid license file to `C:\ProgramData\Siemens\License Server\ActiveLicenses\<vendor>.lic` on Windows and `<installation_target_directory>/ActiveLicenses/<vendor>.lic` on Linux, where `<vendor>` is either `saltd`, `mgclmd`, `ugslmd`, `cdlmd`, or `RCTECH`.

**Note**

Double quotation marks must enclose paths that contain spaces.

The `-licensefile` argument also starts the appropriate license manager service and, if the Siemens License Server Installer detects licenses tied to FLEXID=9 (HASP) dongles, the installer automatically installs the dongle drivers.

- `-destination directory`

Uses the specified directory as the installation target.

**Note**

Double quotation marks must enclose paths that contain spaces.

- `-noSlim`

Specifies to not install the Siemens License Install Manager.

- `-licensePort license_server_port`

Specifies a license server port to use other than the default of 29000 when importing a license file.

- `-vendorPort vendor_daemon_port`

Specifies a vendor daemon port other than the default of 29001. When importing a license file, this port is used to communicate with the license server.

- `-allowfirewall`

If a local firewall is enabled, allows the Siemens License Server Installer to grant the Siemens License Server access through the firewall. This access is required to serve licenses to clients on your network.

- `-unzip [directory]`

Unpacks the installer's contents to the specified location but does not install the Siemens License Server. If you do not specify a target location, the default is `C:\Program Files\Siemens\License Server` on Windows and `/opt/Siemens/LicenseServer` on Linux.

- `-remove`

Removes the licensing software and configured license manager services. This argument does not remove the license file, log files, or user-added files.

- `-version | -v`

Displays the version of the Siemens License Server Installer.

- `-user [user_name]`

(Linux only) Specifies the user under which the Siemens License Server will run. The default is `saltd` if you do not specify a user name.

- `-help | -h | -?`  
Displays command usage information.

## Examples

### Note

The examples in this section are for Windows but can apply to Linux if you replace `.exe` with `.bin` and backslashes with forward slashes.

### Example 1

The following example runs the command-driven Siemens License Server Installer; you must interactively provide all input in the command window.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -text
```

### Example 2

The following example installs the licensing software to the default target location, which is `C:\Program Files\Siemens\License Server` on Windows (`/opt/Siemens/LicenseServer` on Linux), sets the Siemens account, installs SLIM, and does not start the license manager service.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -silent -webkey  
jdoe@xyzcompany.com
```

### Example 3

The following example installs the licensing software to the *Siemens Server Version 2.0.0.0* folder and does not start the license manager service.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -destination "C:\Program  
Files\Siemens Server Version 2.0.0.0"
```

### Example 4

The following example installs the licensing software to the default target location, `C:\Program Files\Siemens\License Server` on Windows (`/opt/Siemens/LicenseServer` on Linux), copies the `saltd.lic` license file to `C:\ProgramData\Siemens\License Server\ActiveLicenses` on Windows (to

<installation\_target\_directory>/ActiveLicenses on Linux), and starts the license manager service corresponding to the imported license file.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -licensefile saltd.lic
```

### Example 5

The following example shuts down the license manager service, reinstalls the licensing software by overwriting the current binaries, and restarts the license manager service.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -repair
```

### Example 6

The following example reinstalls the binaries if the license server version is newer than the installed version.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -update
```

### Example 7

The following example removes all running servers (saltd, mgcl, ugslmd, cdld, and RCTECH), license manager services, and binaries but does not remove license files, log files, or any user-added files.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -remove
```

### Example 8

The following example installs the licensing software to the default target location, *C:\Program Files\Siemens\License Server* on Windows (*/opt/Siemens/LicenseServer* on Linux) and installs the saltd license manager service, which automatically starts the license server and serves ugslmd licenses.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -licensefile "C:\Users\John Doe\Downloads\ugslmd-license.txt"
```

### Example 9

The following example installs the licensing software to the default location and does not install SLIM.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -silent -noSlim
```

## Example 10

The following example installs the licensing software to the default location, sets the Webkey, changes the license server port to 28000, changes the vendor daemon port to 28001, and installs SLIM.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -silent -webkey  
jdoe@xyzcompany.com -licensePort 28000 -vendorPort 28001
```

## Example 11

The following example unpacks the Siemens License Server to *C:\Temp\SLS* but does not install it.

```
SiemensLicenseServer_v2.0.0.0_Win64_x86-64.exe -unzip C:\Temp\SLS
```

## Example 12

The following example installs the licensing software to the default target location and installs the saltd license manager service, which automatically starts the license server and serves ugsImd licenses to clients on your local network.

```
SiemensLicenseServer_2.0.0.0_Win64_x86-64.exe -silent -licensefile  
"C:\Users\John Doe\Downloads\ugslmd-license.txt" -allowfirewall
```

## Related Topics

[Installing the License Server From the Command Line](#)

[Installing the License Server](#)