






# softing License Server User Manual

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## softing License Server

licenseServer



Product Name	Order Number	Total Licenses	Used Licenses	Expires At	Updates Until	License Key
 edgeConnector P...	LRA-XX-153020	1	0			

Host ID

1cf54d56-ce98-3b8a-8a78-125e434699d9

Upload License

Activate License

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## Disclaimer of liability

The information contained in these instructions corresponds to the technical status at the time of printing of it and is passed on with the best of our knowledge. Softing does not warrant that this document is error free. The information in these instructions is in no event a basis for warranty claims or contractual agreements concerning the described products, and may especially not be deemed as warranty concerning the quality and durability pursuant to Sec. 443 German Civil Code. We reserve the right to make any alterations or improvements to these instructions without prior notice. The actual design of products may deviate from the information contained in the instructions if technical alterations and product improvements so require.

## Open Source

To comply with international software licensing terms, we offer the source files of open source software used in our products. For details

see <https://opensource.softing.com/>

If you are interested in our source modifications and sources used, please contact: [info@softing.com](mailto:info@softing.com)

## About this guide

### Read me first

Read me first

Please read this guide carefully before using the device to ensure safe and proper use. Softing does not assume any liability for damages due to improper installation or operation of this product.

This document is not warranted to be error-free. The information contained in this document is subject to change without prior notice. To obtain the most current version of this guide, contact your Softing representative.

### Target audience

This guide is intended for experienced operation personnel and network specialists responsible for installing and licensing network devices.

### Typographic conventions

The following conventions are used throughout Softing customer documentation:

Keys, buttons, menu items, commands and other elements involving user interaction are set in bold font and menu sequences are separated by an arrow. Buttons from the user interface are enclosed in brackets and set to bold typeface. Coding samples, file extracts and screen output is set in Courier font type. Filenames and directories are written in italic. **Open Start** → **Control Panel** → **Programs**

**Press [Start] to start the application** Max DI sap Address Supported=23

Device description files are located in C: \\delivery\\software\\Device Description files



#### **CAUTION**

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in damage or injury.



#### **Note**

This symbol is used to call attention to notable information that should be followed during installation, use, or servicing of this device.



#### **Hint**


This symbol is used when providing you with helpful user hints.



#### **Read**

This symbol calls your attention to specific related documentation which you are requested to read carefully.

### **Document history**

Document version	Changes since last version
1.00	first version
1.01	Section Updating a license  <sup>12</sup> added.

### **About the license Server**

#### **Intended use**

The Softing license Server hosts and keeps track of a number of available network software licenses (also known as floating licenses or shared licenses) that are used locally on individual machines and that can be shared among many users and applications.

When users want to access a Softing product or application they have to request a license from the license Server. The server now checks for a spare license. If available it will allocate the license as requested and allows the Softing product or application run. However, if the request exceeds the number of available licenses, the license Server will decline the request and the product can only be run in demo mode.

When a license is no longer required on a local machine (user closes an application), the license is released from the local machine and is floating back to the pool of available licenses held on the server.

#### **Technical data**

Platform:	<b>Docker Container:</b> Intel / AMD 64-bit, ARM 64-bit, ARM 32-bit
	<b>Windows Application:</b> Windows 10 and newer – Intel / AMD 64-bit
System Requirements	Windows:
	<ul style="list-style-type: none"> <li>• RAM: 3 MB</li> </ul>
	<ul style="list-style-type: none"> <li>• Disk: 60 MB</li> </ul>
	Docker:
	<ul style="list-style-type: none"> <li>• RAM: 70 MB</li> </ul>
	<ul style="list-style-type: none"> <li>• Disk: 215 MB</li> </ul>

## Installation

### Docker



#### Note

The license server docker image is available on Docker Hub:

<https://hub.docker.com/r/softingindustrial/license-server>.

- Download the docker image using the following command:  
`docker pull softing industrial/license-server`
- Use the following commands to create and configure Docker container:
  - `mkdir -p /var/lib/license-server`
  - `mkdir -p /var/lib/license-server/licenses`
  - `mkdir -p /var/lib/license-server/config`
  - `mkdir -p /var/lib/license-server/users`
  - `docker create --name license-server -p 8000:8000 -p 6200:6200 -v /var/lib/licenseserver/licenses:/root/.x-formation -- /var/lib/license-server/users:/root/sflm/users -v /var/lib/license-server/config:/root/sflm/config --restart=always softing industrial/licenseserver`

The following ports are used by the license server:

Port	Service
6200	Network License Server
8000	HTTPS Web Server

These ports are mapped in the docker create call above 1:1 to the ports of the host system. Of course, you can map them to different ports on the host system by changing the first number on the -p option (example: -p 8400:8000).

To disable HTTPS use the docker create call without a port mapping for port 8000.



#### Note

You will need access to the Web server to add licenses.

These following volumes are used by the license server:

Volume	Description
/root/.x-formation	Folder to store the license files
/root/sflm/users	Folder to store the user data
/root/sflm/config	Folder to store the configuration of the license server

The directory /var/lib/license-server is used to persist the configuration of the license server container. Of course, you can store it in a different folder on the host system by changing the first folder on the -v option (example: -v /home/xxx/ls:/root/.x-formation).

The option --restart=always will start the container on the startup of the system or restart it on failure.

Start the container with the following command:

- docker start license-server

Stop the container with the following command:

- docker stop license-server

Remove the container with the following command:

- docker rm -f license-server

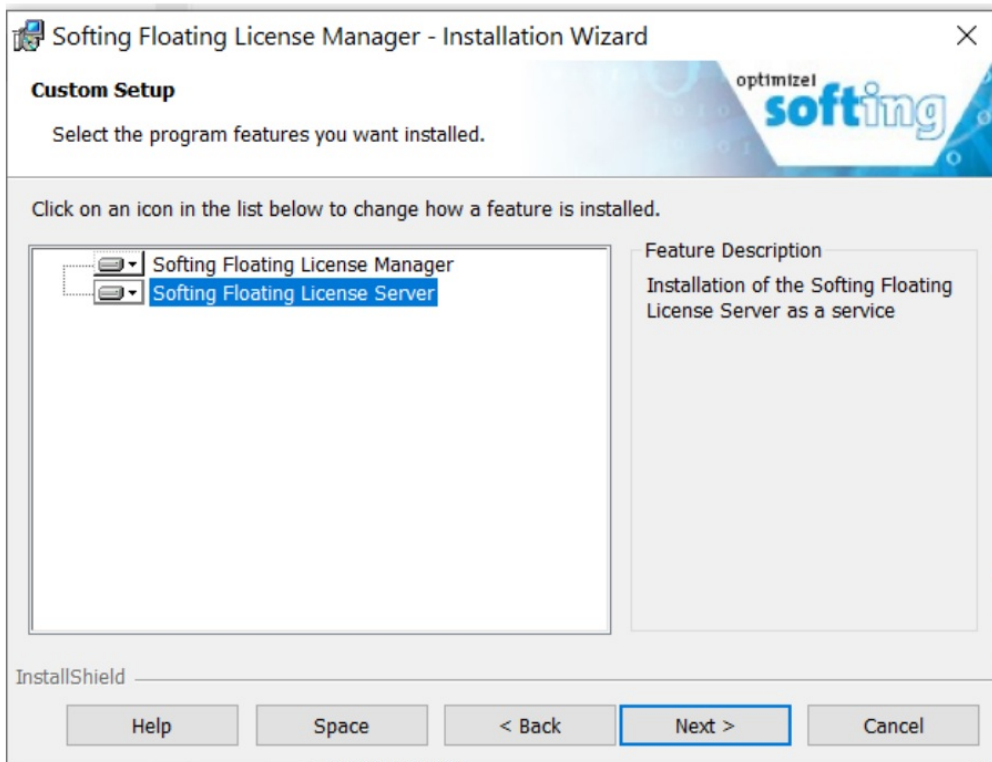


#### Read

See the official Docker documentation for more Details on the Docker command line.

### Windows

1. Download the installation file Softing License Manager V4.xx.exe from the [edgeConnector](#) or [edgeAggregator](#) product page.
2. Double-click the downloaded file to start the software installation.
3. Select your installation language.
4. Click [OK] and follow the on-screen instructions.
5. Select the option Softing Floating License Server from the feature list.



6. Click [Next] and [Install].
7. Follow the on-screen instructions.
8. In the Files in Use dialog is shown, select the default setting Automatically close and attempt to restart application and click [OK].
9. When the Softing Floating License Server is installed, click [Finish] to exit the installation wizard.



#### Note

If you intend to open and work with the Softing Floating License Server application immediately, you will have to restart your PC to complete the installation. Before you do so ensure that you have saved all currently open projects and files to avoid losing your work.

10. Click [Yes] to restart your computer and activated the application or click [No] to wait till next time you start your PC.

## **Commissioning**

To be able to use the license server you must add licenses which should be served to the server.

See Chapter 4.3 <sup>12</sup> explaining how to add licenses.

## **Working with the license Server**

### **User interface**

1. Open a browser of your choice and enter the IP address and port of the license server.

**Example:** <https://192.168.42.23:8000>

#### **Note**

The default port is 8000. If you have configured the web access of the license server to run on a port other 8000 you have to add the port number to the IP address, separated by a colon (:).

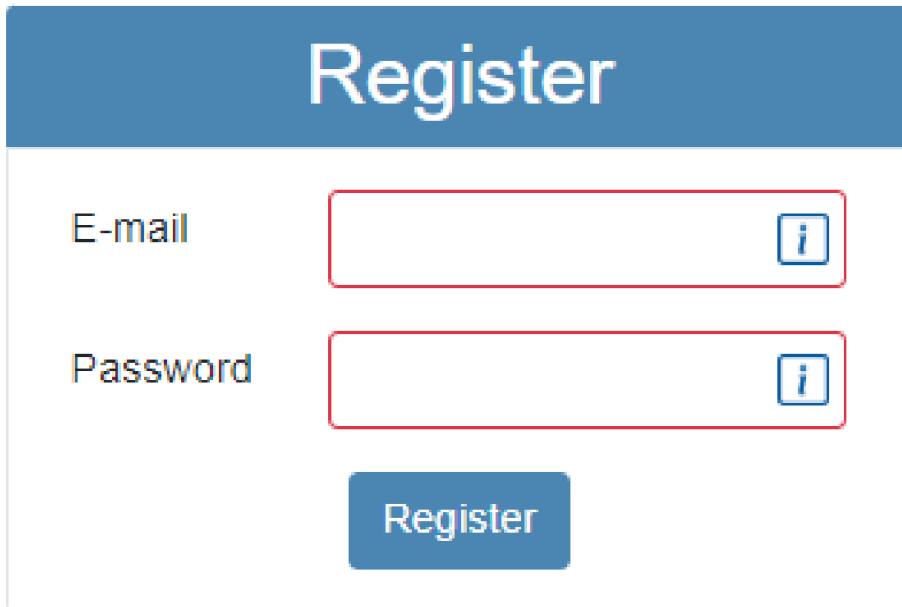
Example: <https://192.168.42.23:8400>

2. Press return.

The user interface of the license server appears.

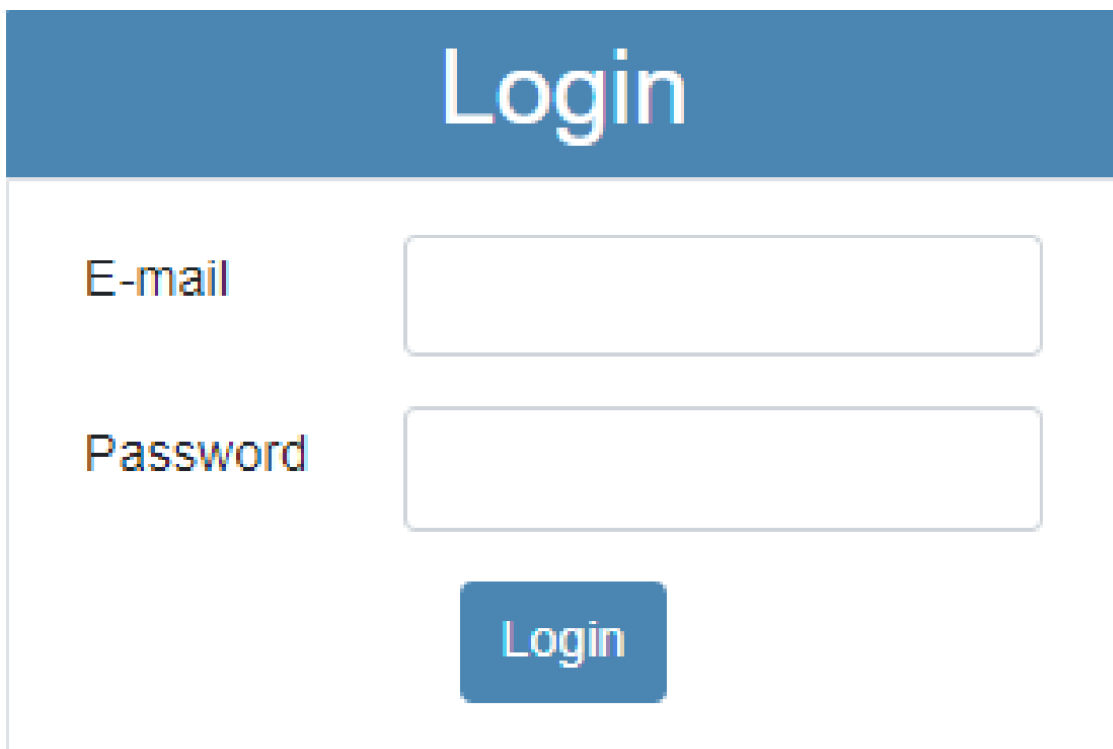
### **Registration and Login**

The first time you are using the web UI you must register a user.



The Register form features a blue header with the word "Register" in white. Below the header, there are two input fields: "E-mail" and "Password". Each field has a red border and a blue information icon (a lowercase 'i' in a square) to its right. At the bottom of the form is a blue button with the text "Register" in white.

If you have registered a user you can use this user to login afterwards.



The Login form features a blue header with the word "Login" in white. Below the header, there are two input fields: "E-mail" and "Password". Each field has a light gray border. At the bottom of the form is a blue button with the text "Login" in white.

### **Licenses**

After login you see the license page which lists all licenses served.

The Host ID field displays the host id of the server. You can use the button on the right to copy it to the clipboard.

**licenseServer**pm-demo@softing.com Logout

Product Name	Order Number	Total Licenses	Used Licenses	Expires At	Updates Until	License Key
plantPerfect Monitor - Perpetual License	LRL-TG-020000	90	0			
		25	0		2025-05-17	...
		15	0		2025-05-17	...
		10	0		2025-05-17	...
		5	0		2025-05-21	...
		7	0		2025-05-22	...
		20	0		2025-05-22	...
		8	0		2025-05-22	...
plantPerfect Monitor - Rental License	LAA-TG-020000	340	4			
		300	0	2025-05-06	2025-05-06	...
		10	4	2025-05-16	2025-05-16	...
		30	0	2025-05-21	2025-05-21	...

Host ID

1cf54d56-ce98-3b8a-8a78-125e434699d9

Upload License

Activate License

Update Licenses

## Uploading a license

You can upload an active license to the Softing website.

# Upload license file

License file

Choose File

No file chosen

Upload

Cancel

1. Go to the Softing Industrial website and click the icon in the upper right corner to register.





## My Softing Login


Login

[Forgot your password?](#)

[Register](#)

Registration advantages?



- Alternatively, select this [My Softing Portal](#) link. When you are registered and logged in you are directed to the My Softing page.
- Click [Register License].
- Enter the license key from your License Certificate in the license key input field.  
You will have received the License Certificate when you purchased the FOUNDATION Fieldbus or PROFIBUS PA license.
- Paste the host ID you copied in Section 4.3 12 into the Host ID field of the My Softing page.

## Register License

Please enter your License Key and your Host ID. If you want to get notified in case of new releases, just check enable release info

Activate License:

License Key

12345-ABCDE-67890-FGHIJ

Host ID

|

☐ Enable Release Info

Register License

Cancel


6. Click [Register License].

A license file is generated.

7. Click [Download].

The license file is saved to your PC. to your PC.

8. Switch to the license Server application.

9. Click the icon  to choose a license file on your PC and click [Open].

10. Click [Upload].

## Activating a license

When the license Server is connected to the Internet you can activate a license directly in the license Server.

Activate license

License Key

i

Customer Name

Customer Email

Company Name

Get release information

☐

Activate

Cancel

## Updating a license

Subscription licenses purchased in the Softing online shop will typically be updated prior to the expiration date, provided the subscription is still active.

By selecting the [Update Licenses] the server checks for license updates.



Upload License



Activate License



Update Licenses

### Note

The Update Licenses function is only supported if the license Server has access to the Internet.

### Settings

Adjust the configuration of the license Server on the Settings

licenseServer

softing

admin@softing.com Logout

Change

Support Data

Get

HTTPS Certificate

Issuer	Softing Industrial Automation GmbH	Generate
Expires At	03.11.2024T08.08.49	
Thumbprint	a3cdef2f64fbc95399c305262d8723587dfcdc03a815a3755c68b9a1f970f3...	
Subject Alternative Name	localhost	

Upload

Version Information

Application Version	4.62
LM-X Version	5.3.3

### Changing the login credentials

Here you can change the Email and password used for the login.

## Change credentials



E-mail



New Password



Old Password



Save

Cancel

### Softing support data

If you need to send data to the Softing product support, press this button and send the created 7z file to Softing.

### HTTPS certificate

By default, HTTPS certificates for localhost are generated. All generated certificates will be regenerated automatically before they elapsed.

### Generating a certificate

The HTTPS certificate needs to include the IP address or the host name of the machine to be able to declare it as secure on a machine running the browser. Therefore, it is possible to generate a certificate with this information.

## Generate certificate



Ip address or host name



Generate

Cancel

### Uploading a certificate

It is possible to upload an external generated certificate for the use with the HTTPS server. The Key and Certificate files have to be uploaded.

## Upload license file



License file

Choose File

No file chosen

Upload

Cancel

### Customer Support

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<https://industrial.softing.com/support/support-form>

optimize!  
**softing**

## Documents / Resources

	<p><a href="#">softing License Server</a> [pdf] User Manual License Server, Server</p>
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## References

- [Industrial Communication solutions and products for Process- and Factory Automation](#)
- [Login | Softing](#)
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