

CONVAL LICENSING

CONVAL can be used in conjunction with a license key only.

If you do not have a valid license and would like to evaluate CONVAL, please feel free to contact the CONVAL Team info@firstgmbh.de.

CONVAL supports different types of licensing:

- **Network concurrent licenses**, which can be installed on any server or workstation computer in your company, and which provide the maximum number of simultaneous CONVAL users.
- **Named-user licenses**, which are provided by F.I.R.S.T. GmbH in the cloud and are associated with a named user.
- **Local, single-user licenses**, which are installed on the PC on which CONVAL is running.

Local licenses are managed by a Sentinel LDK hardware key; for network licenses, software-based licensing is also available as an alternative.

NETWORK CONCURRENT LICENSES

The CONVAL network license is installed on a license server in your company. The license server can be a Windows workstation or a Windows server and must be integrated into a domain. Please contact our support if you wish to use other operating systems.

Communication with the CONVAL license server (the computer on which the network license is installed) is via the TCP or UDP network protocol. Please make sure that port 1947 for TCP and UDP is not blocked by a firewall and that the service "Sentinel License Manager" is running.

If you are using a network license, you should first install the license manager before installing the CONVAL program. You need administrator rights for installation.

The installation of the CONVAL network license depends on the applied license type.

SENTINEL HARDWARE KEYS

If you are using a Sentinel hardware key, you must connect it directly to a USB port on the CONVAL server; USB hubs are not supported. The required drivers are installed automatically by Windows Update or can be downloaded from the download area of our homepage www.conval.de.

SENTINEL SOFTWARE KEYS

If you are using a software license key, you must run the CONVAL License Activation Tool to activate the license. The Activation Tool installs the license manager and guides you to activate the license using your product key.

If you haven't got access to the Activation Tool, please contact the CONVAL team info@firstgmbh.de.

Note: If you want to rename or **change the license server**, you must use the CONVAL Licensing Tool to **transfer the license** from the old to the new server instead of installing a new license.

LOCAL, SINGLE-USER LICENSES

If you use CONVAL with a local license key, a license manager must be installed on your computer. The CONVAL installation asks you for your license and the license key used and installs the license manager automatically. For a manual installation you will find the license manager setup in the download section of our homepage www.conval.de.

NAMED-USER LICENSES

Named users receive a personal code with which they can activate their computer for the use of CONVAL.

The license is stored on a server in the cloud hosted by F.I.R.S.T. GmbH. Communication with the CONVAL cloud license server is via the TCP or UDP network protocol.

After installing CONVAL on the client computer, please make sure that port 1947 for TCP and UDP is not blocked by a firewall and that the service "Sentinel License Manager" is running.

LICENSE MANAGER

Together with the license key drivers, a web-based license manager, the Sentinel Admin Control Center (SACC), is installed on both the CONVAL client and the license server. To start it, just type <http://localhost:1947> in your internet browser.

This application enables you to manage access to software licenses and features, to control detachable licenses, to control sessions, and to diagnose problems.

The Admin Control Center enables you to monitor the following:

- All the Sentinel protection keys that are currently available on the network server, including their identity, type, and location
- The number of users currently logged in to a protection key, and the maximum number of users allowed to be simultaneously logged into that specific key.
- The Features to which each protection key allows access, and any restrictions that apply to the feature.
- The users who are currently logged into a specific protection key, including detailed login information.

Sentinel Admin Control Center Help

Sentinel Keys Host Name: windows11

Location	Vendor	Key ID	Key Type	Configuration	Version	Sessions	Actions
Local	F.I.R.S.T. GmbH (111284)		Reserved for New SL Key	SL	8.32		Fingerprint
Local	F.I.R.S.T. GmbH (111284)	1971825354	Sentinel HL Net 10	Driverless	4.27		Products Sessions Features Blink on C2V

Sentinel Admin Control Center Help

Products Host Name: windows11

Product Name	Vendor	Location	Actions
CONVAL	F.I.R.S.T. GmbH	Local	Features
CONVAL Trial	F.I.R.S.T. GmbH	Local	Features

NETWORK LICENSE KEY

If there are issues with the Sentinel network license key, you should make sure to have the correct “Find options” in the CONVAL “License information” section and to have installed the recent versions of the CONVAL program and the license manager. Both can be found on the download section of our homepage www.conval.de.

When using a USB license module, the red light should always be on, not flashing, after the driver has been installed correctly. Otherwise, the license module could be defective.

Use the Sentinel Admin Control Center <http://localhost:1947> to check the availability of CONVAL license keys on both computers, the license server, and the client computer.

LICENSE SERVER

If you are using a network license, you should first install the license manager before installing the CONVAL program. You need administrator rights for installation.

On the license server make sure, that the access from remote clients is allowed in the Sentinel Admin Control Center Configuration section.

Check default values, otherwise click [Set Default] and then click [Submit] button.

The screenshot shows the Sentinel Admin Control Center interface. The main title is "Sentinel Admin Control Center". Below it, the "Configuration" section is active, with the host name "windows11". The "Access from Remote Clients" tab is selected. The configuration options include:

- Allow Access from Remote Clients:** Radio buttons for "No one", "Identifiable clients only. Non-cloud licenses cannot be accessed.", "Cloud licenses require identity. Other licenses are accessible by all clients.", and "All licenses are accessible without need of identity". A red note states: "Regardless of the option selected, remote machines using a client identity cannot access non-cloud licenses." The "All licenses are accessible without need of identity" option is selected.
- Public Address for Access With Identity and ACC:** An empty text input field.
- Trusted IP Address:** An empty text input field.
- Public Port for Access With Identity:** A checkbox for "Listen for clients also on port 80" which is unchecked.
- Store Identity Secrets:** Radio buttons for "Plain text" (selected) and "Encrypted with the storage key provided with Sentinel AdminAPI".
- Access Restrictions:** A large empty text area for defining access rules.

At the bottom, there is a "Show Recent Client Access" button and a note: "The entries are evaluated in the order in which they are specified. As soon as a match is found, evaluation stops. allow=all is implicitly added to end of list". At the very bottom, there are "Submit", "Cancel", and "Set Defaults" buttons.

CLIENT COMPUTER

To optimize access to the license key, please configure the following settings:

- In the "License management" section, select "Network license".
- Enter the name or alternatively the IP address of the license server.
- Optionally, you can also restrict the search to a specific serial number and CONVAL edition.

If the network license is not found with [Apply], you can check the communication via TCP port 1947 with the license server by clicking the [Check Port] button.

If the check is successful, please register the name or IP address of the license server in the Sentinel License Manager by clicking the [Register] button. The [Register] button is disabled if the license server is already entered in the license manager's search parameter list. You can undo all registrations with the [Reset] button.

Some changes in the settings only become active after CONVAL is restarted.

License information

Information Find options

You can control the search for available licenses here

CONVAL
by F.I.R.S.T.

License management

Network license
All users on the network are allowed to access this license.
However, the number of concurrent users is limited.

Named user license
This license is restricted to individual, named users.
You need a personal Cloud License ID and can only register on a limited number of machines.

Network license

License server (name or IP)
xxx.xxx.xxx.xxx Register

Find only selected serial number
11111111111111111111 Check port

Reset

Editions
Full edition

Further information

[License manager](#)

[Help with licensing issues](#)

[CONVAL editions](#)

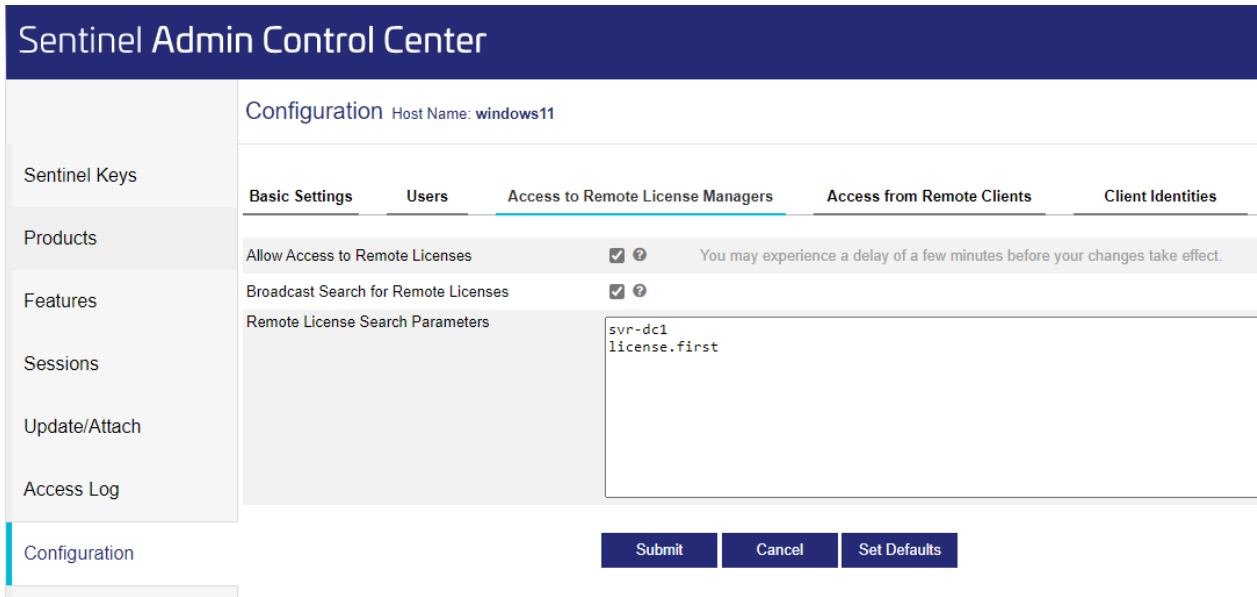
Default

Help OK Cancel Apply

SENTINEL ADMIN CONTROL CENTER

On the client computer make sure, that the access to remote clients is allowed in the Sentinel Admin Control Center Configuration section.

Check if the check box [Allow Access to Remote Licenses] is checked, enter the License Server Name in the Specific Search Parameters field, and click [Submit] button.

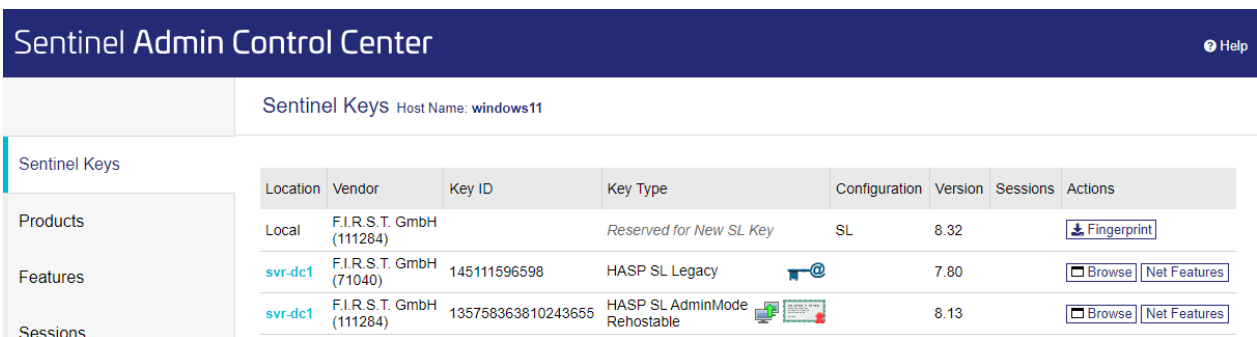


Define the specific machines that may be searched by this machine for remote Sentinel License Managers in the “Specify Search Parameters” section. You must enter information in this field if you have not selected the Broadcast Search for Remote Licenses check box, as follows:

- Specify data as IP addresses (for example, 10.1.1.17), broadcast addresses (for example, 10.1.1.255), or machine names (for example, hklm001.ecomp.com)
- When using the IPv6 protocol, use the IPv6 address format. For example, type FF02::1 to access all remote Sentinel License Managers that are part of the default local group defined in the IPv6 subnet.
- When using named user licenses, enter your cloud license ID.

Each entry must be on a separate line.

On the "Sentinel Keys" page, all license keys and their license servers are listed that are accessible by the client.



LOCAL LICENSE KEY

If there are issues with the local Sentinel license key, you should make sure that you have set the correct "Search options" in the "License information" section of CONVAL and that you have installed the latest versions of the CONVAL program and the license manager. You can find both in the download area of our homepage www.conval.de.

Once the license manager has been installed correctly, the red light of the USB license module should always be on, not flashing. Otherwise, the license module could be defective.

Use the Sentinel Admin Control Center <http://localhost:1947> to check the availability of CONVAL license keys.

To optimize access to the local license key, select "Network license" in the "License management" area and deactivate the options "License server" and "Find only selected serial number". If the license is still not found, please activate the "License server" option, and enter "localhost" in the search field.

License information

Information Find options

You can control the search for available licenses here

CONVAL
by F.I.R.S.T.

License management

Network license
All users on the network are allowed to access this license. However, the number of concurrent users is limited.

Named user license
This license is restricted to individual, named users. You need a personal Cloud License ID and can only register on a limited number of machines.

Network license

License server (name or IP)
Register

Find only selected serial number
Check port
Reset

Editions
Full edition

Further information

[License manager](#)

[Help with licensing issues](#)

[CONVAL editions](#)

Default

Help OK Cancel Apply

UPDATE LICENSE

If your CONVAL license has an expiration date you can update it with the license information update file *.V2C which corresponds to the license serial number

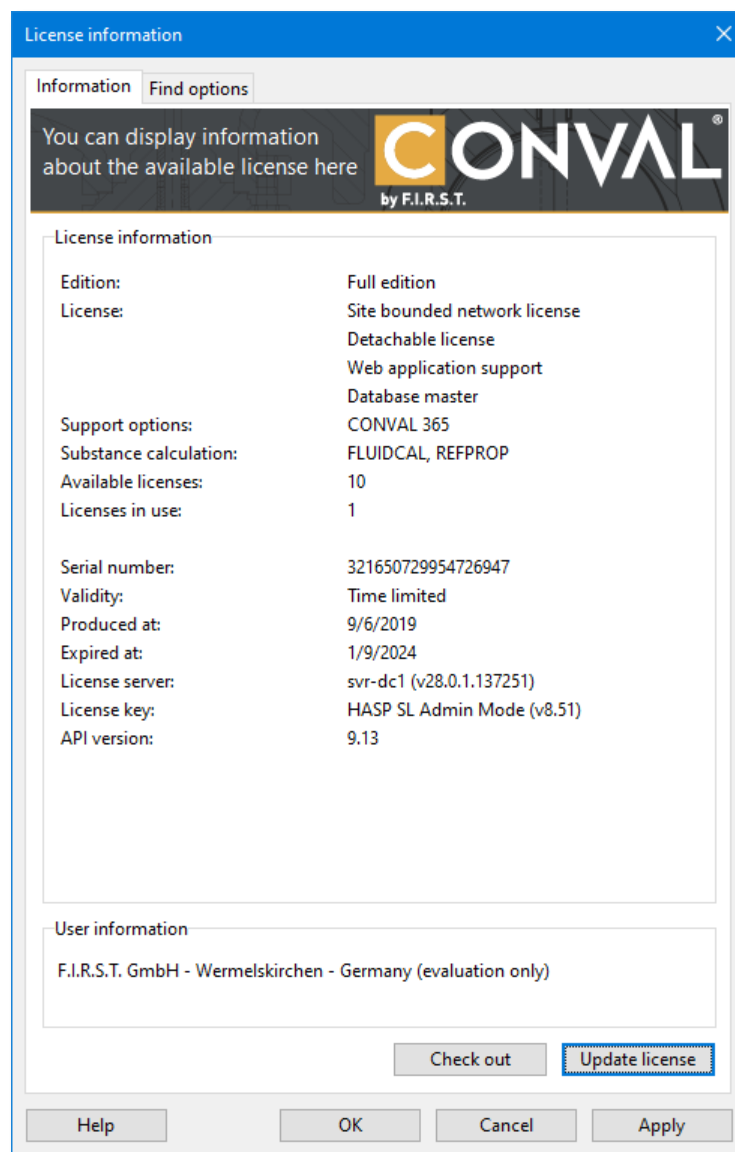
The easiest way to update your license, even for network licenses, is to use the CONVAL license dialog. You can carry out the update either online or with the help of a license file.

If this is not possible, you can also perform the update in the license server's SACC.

UPDATE LICENSE IN THE CONVAL LICENSE DIALOG

To perform the license update, open the CONVAL license information dialog, select the [Information] tab, click on the [License update] button and follow the instructions.

No special rights are required on the license server, even when using a network license.

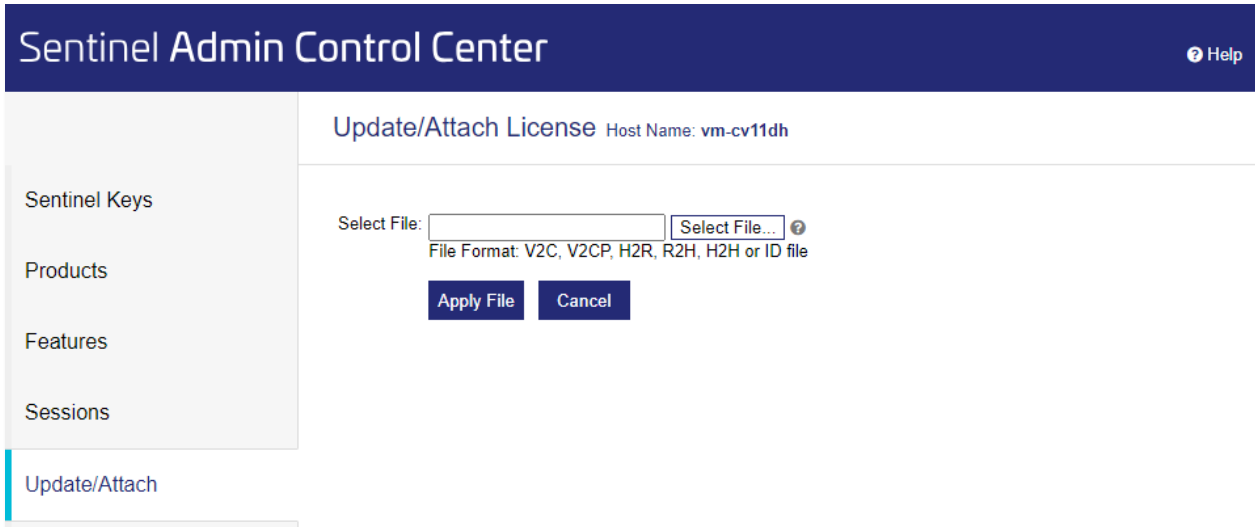


UPDATE LICENSE IN THE SENTINEL ADMIN CONTROL CENTER

You can also perform the update in the license server's Sentinel Admin Control Center

To start it, just type <http://localhost:1947> in your internet browser of the license server.

In the SACC select the "Update/Attach" section.



Click [Select File] and browse to the license file (*.V2C) that contains the update.

Click [Apply File] to update your license.

SUPPORT

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