
1. About the cloud-based license

Sentinel CL license The software is delivered with a cloud-based license by default. A cloud-based license is similar to an SL-type software license, in that the license is stored on a logical server in the cloud, instead of the user's computer or network server.

The advantages of a cloud-based license are:

- The license can be accessed from anywhere with an internet connection, thus it can be used from any number of computers. Simultaneous access is only possible with a multiple-user network license.
- The license cannot be lost or damaged
- The license does not depend on computer hardware components

The disadvantage of a cloud-based license is:

- Internet connection is required to access the license, therefore the program cannot be started offline. To avoid such situations, the license can be temporarily downloaded from the cloud to a specific computer.

Cloud-based licences are managed and stored on a server rented by the software company. The server is not operated by the software company, thus it cannot be held responsible for any loss of service due to downtime or server malfunctions. However, it will attempt to restore service as soon as possible.

If the program is used at a location where web access is unavailable or unstable, or if the program must always be available, a license for a specific computer for temporary use can be downloaded.

The program can be installed on any number of computers, however the number of copies which can be used simultaneously is limited by the number of purchased licenses. For information on the availability of licenses, see the description in the [License Menu chapter](#).

To access the license, the *Sentinel Admin Control Center* (ACC) service is required, which is installed automatically with AxisVM if the Sentinel driver is included in the installed components (it is always enabled by default).

To run the program, a key file (AxisVM_*[key number]*.key) is also needed, which will be provided by the vendor. This file contains the registered username and the purchased modules.

After completing the installation and before starting AxisVM for the first time, the cloud-based license must be registered. Open the confirmation email, click on the link and then on the *Install* button on the webpage that opened. If the registration is successful and the license is available, the program can be used.

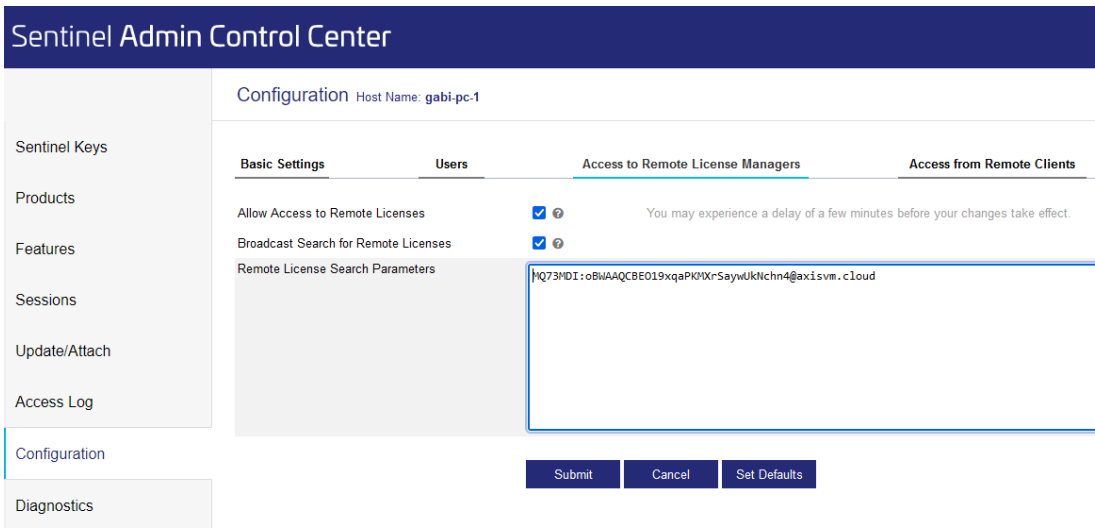
If you encounter an error while accessing the license, check your firewall and ACC settings.

Checking the firewall The ACC communicates with the cloud server via port 1947, which automatically opens during installation. Check if this port is enabled for TCP and UDP protocols on the firewall. After an operating system update, the firewall settings may have changed, resetting to a previous state. The solution is reinstalling the Sentinel Runtime Environment, running the installer with administrator rights which will reconfigure the firewall. The installer can be found in the Sentinel LDK folder under the AxisVM program folder as *InstallSentinelRuntime.exe*.

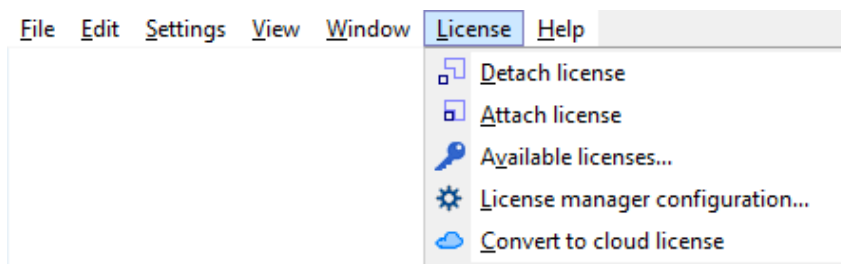
Checking the ACC Type *localhost:1947* in the browser and the ACC interface will appear. Select *Configuration* from the menu on the left and *Access to Remote License Managers* at the top. The *Remote License Search Parameters* field should display your unique identifier.

If this field is blank, the identifier is missing. Ask your vendor for your unique identifier, then copy it here, and press *Submit*. If the entry is successful, the ID will remain visible. If it disappears, the ID you entered is incorrect.

If your unique identifier appears in the field, and the program does not start, either the cloud server is unavailable due to a service error or the license is disabled. In this case, contact your vendor.



2. License Menu



This menu item is only displayed for cloud-based licensed (**CL**), software-licensed (**SL**) or Sentinel HL hardware key protections. The services listed below are not available for SuperPro keys, therefore if any of these services are needed, ask your distributor to replace the SuperPro key.

Detach license

For a cloud-based license (**CL**) or a network software license (**SL**), download the license to a computer temporarily. When detaching the license, specify the number of days for using the license locally. Please note that after detaching the license, it will only be available on that computer and will not be visible to other users, thus the number of available licenses will be reduced by one if it is a network key. The licence will automatically expire when the given time limit is reached and it will no longer be available locally, however it will be automatically available again in the cloud or on the network from which it was detached.

The license can also be returned to the network/cloud before the expiration date by selecting *Attach license*. It will then be available to others again.

The program will detach the license. If AxisVM is used in multiple configurations with different license numbers, check if the correct configuration is running before detaching the license in *Help / About*. To avoid data loss, the program will automatically save the model before detaching the license. After completing the process, it connects to the local license. Then, the network connection that was necessary to access the network/cloud license can be disconnected.

In the case of SL network licenses, detachable licenses can be allowed and controlled on the *Detachable Licenses* panel in the *License Manager / Configuration* menu.

Please note that after detachment, the license will act as a local SL software license, so any damage or change in the hardware may cause the license to be lost. If planning a hardware replacement while using the detached license, read the next paragraph, *Sentinel SL license transfer*, carefully, and proceed as described.

Sentinel SL License transfer

A software license can be transferred to another computer. After completing the transfer, AxisVM will only run on the other computer (works just like a hardware protection key removed and plugged into another computer). To transfer the license, run the RUS_AxisVM_En.exe application on the other computer, select the Transfer License tab to generate a recipient information file (*.id), and copy that file to the first computer. Go back to the first computer, select the *Transfer License* tab, go to the *Read the recipient information file from* field, click on the [...] button and load the *.id file from the other computer, fill out the *Generate the license transfer file to* field, and then click on the *Generate License Transfer File* button. Copy the generated file with an h2h extension to the other machine, then go there, select the *Apply License File* tab, go to the Update File field, browse for the h2h file and click on Apply Update.

☞ **In case of a network hardware key, licenses cannot be detached from the server.**

<i>Attach licence</i>	It sends the license downloaded to your computer with the <i>Detach license</i> function back to the server. Attaching the license requires network connection to the server. Before sending back the license, the program saves the model to avoid data loss. After completing the process, it reconnects to the license via the network.
<i>Available licenses</i>	Opens <i>Sentinel Admin Control Center</i> (ACC) which displays the list of licenses available from your computer. This list includes both local and network licenses. Network licenses are only displayed if the network connection is active and the server with the license is available. In the license row, click the <i>Session</i> button in the last column to check which user is using the license. The current user can be logged out if necessary to free up the license for another user. If a license cannot be found, check the license manager settings in <i>License manager configuration</i> .
<i>License manager configuration</i>	This menu item starts the <i>Configuration</i> function of the Sentinel Admin Control Center (ACC) service. It allows for reviewing or modifying the license manager settings. Of all the configuration options available, only the most commonly used are shown here:
<i>Access To Remote License Managers</i>	Set the parameters required to access the remote server here. For a network HL hardware license or SL software license, enter the name or IP address of the server that holds the license in the <i>Remote License Search Parameters</i> table and press <i>Submit</i> . Turn on <i>Allow Access to Remote Licenses</i> and <i>Broadcast Search for Remote Licenses</i> . For CL cloud licenses, this field also displays your unique identifier.
<i>Detachable Licenses</i>	It allows setting the rules for disconnecting licenses. <i>On-Demand Detaching of Licenses</i> enables or disables detaching of licenses. If enabled, a maximum detachment time can be specified. Under <i>Automatic Detaching of Licenses</i> , the system can be configured to automatically detach the license from the network for the duration of use, so that the license is not affected by a network disconnection. The <i>Common Detach Settings</i> section allows for controlling how many licenses can be detached at a time, i.e. how many licenses must always remain available on the server.