

BricsCAD[®] Licensing Options Standalone & Network Installation Guide

December 2024

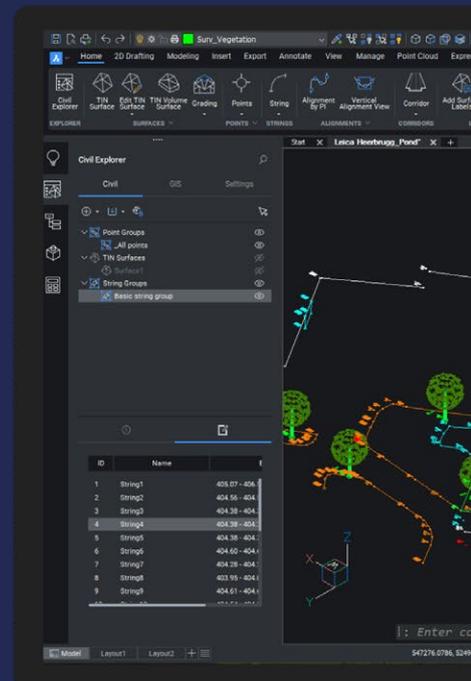
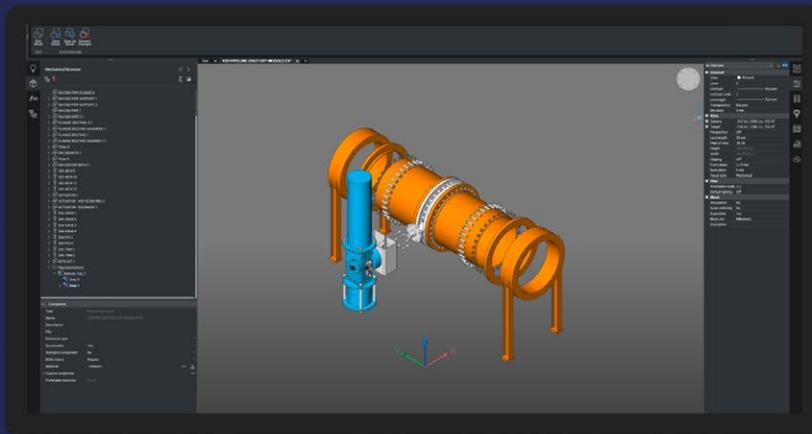
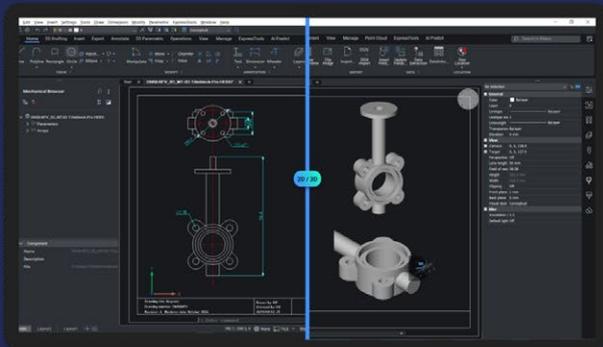


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Installing BricsCAD®

Overview of install options

- BricsCAD® comes as a single download file for all license levels, including BricsCAD® Shape.
- When you install a new BricsCAD version for the first time, you can run a 30-day trial mode.
- You can install each new major version next to a previous major version.

Interactive installation

In the case of a normal (non-silent) installation, the user provides the necessary installation input via dialog boxes. The user interface of Windows Installer queries the target system and displays the Setup Wizard. Setup Wizard enables the user to change various options that affect the installation.

1. Double-click the installer file.
2. Click **Next**.
3. Tick the checkbox to accept the **License Agreement**.
4. Click **Next**.
5. Do one of the following:
 - Accept the default installation folder.
 - Click the **Change...** button and select an installation folder.
6. Click **Next**.
7. Click **Install** to start the installation.
8. Choose whether to add a shortcut on the desktop and/or to display the release notes when the installation process has finished.
9. Click **Next**.
10. Click **Finish** to finish the installation process.
11. BricsCAD is installed.

Silent installation (Windows Only)

In case of a silent or quiet installation, the Setup Wizard user interface is disabled, and the actions during the user interface sequence are not performed.

For Silent Installation please refer to:
[BricsCAD Silent Installation Instructions](#)

Linux Installation - Installation process of Linux RPM package on KDE desktop environment

For Linux Installation please refer to:
[BricsCAD Linux Installation Instructions](#)

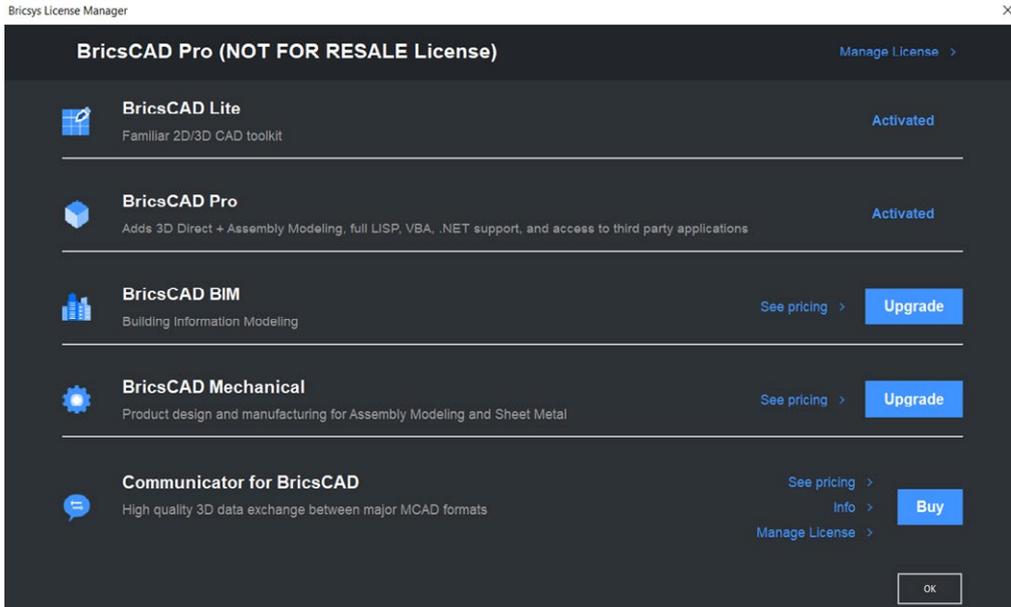
Working with Single/Volume Licenses

Single/Volume License: Online Activation

1. Launch BricsCAD.

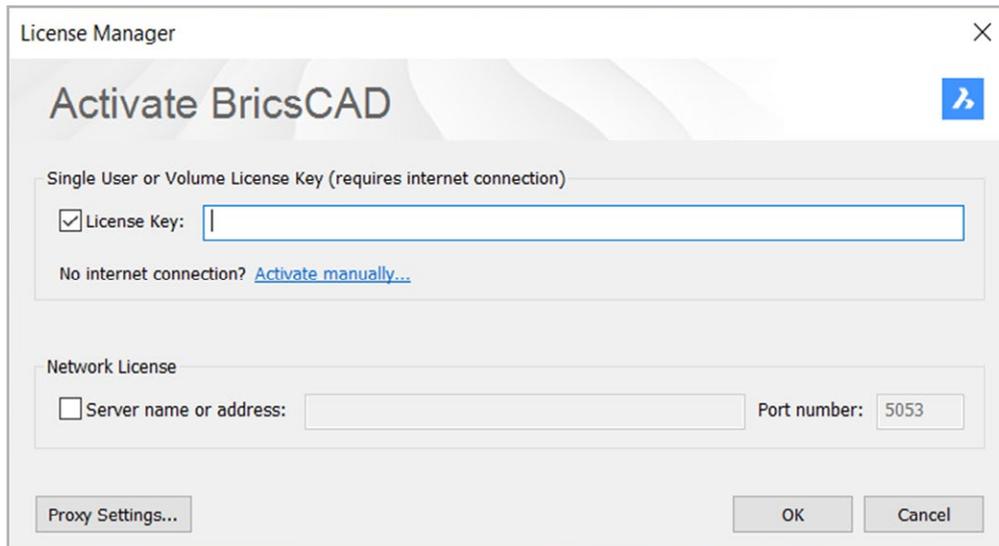
Note: When your trial period has expired, click the **Activate** button in the **BricsCAD Launcher** dialog box, then click the **Activate Now...** button in the **License Manager > Activate BricsCAD** dialog box, and proceed to step 5.

2. Launch the LICENSEMANAGER command.
The **Bricsys License Manager** dialog displays.



3. Click the **Manage License** button.
The **License Manager > Licensing Information** dialog displays.

4. Click the **Modify** button.
The **License Manager > Activate BricsCAD** dialog box displays.



5. Retrieve your key from the **My Licenses** section in your account.
(Locate License Key: [Bricsys Account: My Licenses](#))

6. Paste your license key in the **License Key** field.
7. Click the **OK** button.
Your license key is registered over the internet.
A dialog displays when the license key is successfully activated.
8. Read the text on the dialog box and click the **I understand** button.

Single/Volume License: Offline (Manual) Activation

If your computer is not connected to the internet, you can activate the license manually via another computer that is connected to the internet. For further instructions on Offline activation, please see the link below.

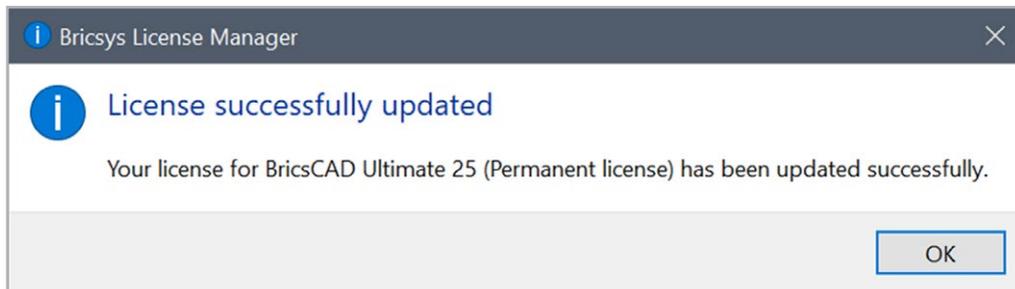
Note: You cannot deactivate manually activated licenses.

For Offline (Manual) activation please refer to:
[BricsCAD Offline Installation Instructions](#)

Upgrading to the next BricsCAD version when having active Maintenance (Single/Volume License)

When a new major BricsCAD version is released, all licenses covered by an active maintenance contract are updated to run the newly released version.

After installation of BricsCAD V25, upon launch, you will see a pop-up saying that your license was updated to V25.



This shows after launching BricsCAD, before the BricsCAD Launcher dialog box appears.

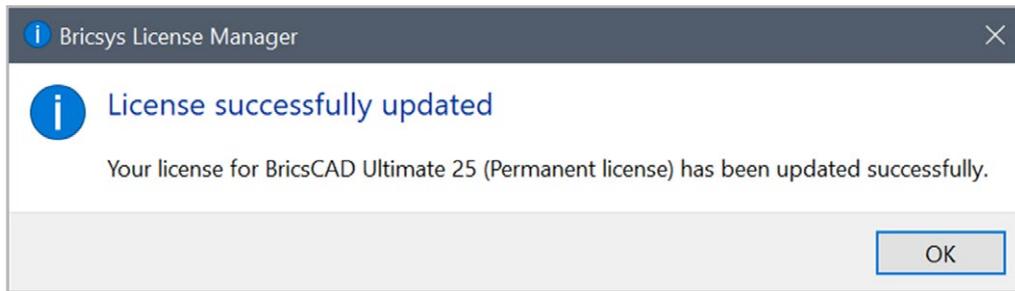
Important:

- Only the V24 keys are automatically updated to V25 when covered by an active maintenance contract. If you have never activated your V24 license, you can retrieve your key from the **My Licenses** section in your account. Next, go to the **License Manager** dialog box, select **Activate Now** and enter your key. See more information in the [Online activation \(Single/Volume license\)](#) article.
- If the license was activated offline, you need to revoke it first. See the [Deactivate or revoke a license](#) article for more information. If no more revokes are available, you have to contact support.
Remember: Only 2 revokes are possible. For online activated licenses, deactivation and reactivation is unlimited.
- Communicator for BricsCAD® licenses are not automatically updated. You need to enter the key in the **License Manager** dialog box. See also the [Communicator for BricsCAD - Getting started](#) article.

If the update of your license was not automatically detected, retrieve your key from the **My Licenses** section in your account. Next, go to the **License Manager** dialog box, select **Activate Now** and enter your key.

Upgrading BricsCAD or extending your Subscription (Single/Volume License)

- **When you have purchased a version upgrade for BricsCAD and you are connected to the internet**
After installation of the new version, upon launch, a pop-up displays saying that your license was updated to the newer version.



This shows after launching BricsCAD, before the BricsCAD Launcher dialog box appears.

- **When you have purchased a product upgrade or have extended your subscription license**
Retrieve your key from the **My licenses** section in your account. Next, go to the **License Manager** dialog box, select the **Activate Now...** button and enter your key.
Note: If the last version of BricsCAD installed was V24.2 or later, you will not need to retrieve your key first. BricsCAD will already prefill it in the **License Manager**.
- **When you can't connect to the internet**
If the license was activated offline, you need to revoke it first. See the [Deactivate or revoke a license](#) article for more information. If no more revokes are available, you have to contact support.
Remember: Only 2 revokes are possible. For online activated licenses, deactivation and reactivation is unlimited.

Next, follow the process described in the [Offline/manual activation \(Single/Volume License\)](#) article.

Working with Network Licenses

Setting up a Windows Network License Server

In general, Bricsys Network License Server downloading, deployment and configuration is a duty for the network/system administrator.

To make a network license available in BricsCAD on a client computer, the network administrator needs to install the Bricsys Network License Server, which contains the Bricsys Network License Manager, powered by a recent version of RLM framework (V15.2).

Overview and control over the license usage can be done via web-interface, while license activation and license update can be done via **Bricsys Network License Manager** dialog box.

The Bricsys Network License Server needs a license file that you can activate online or manually. The network license can only be activated once, and it will be locked to the machine.

Once the Bricsys Network License Server is set up and has an active license, it can distribute that license to the client computers that have BricsCAD installed. The number of computers that can use a license simultaneously is limited by the number of seats available on the network license.

Benefits of the new Bricsys Network License Server

The new Bricsys Network License Server brings the following benefits:

- It detects licenses that are covered by an Active Maintenance Contract and provides the option to upgrade them on the **Bricsys Network License Manager** dialog box.
- It has an improved User Interface that provides a good overview of all licenses deployed on a server.
- It guides users to useful resources, such as Bricsys Help Center, Bricsys Support, RLM Diagnostic Tools, etc.

The Bricsys Network License Server is available for Windows and Linux. It is not available for macOS. When you have the Bricsys Network License Server running on Windows or Linux, it can distribute licenses to client computers running Windows/Linux/macOS.

Downloading Bricsys Network License Server

Download the Bricsys Network License Server (Windows) from [here](#).

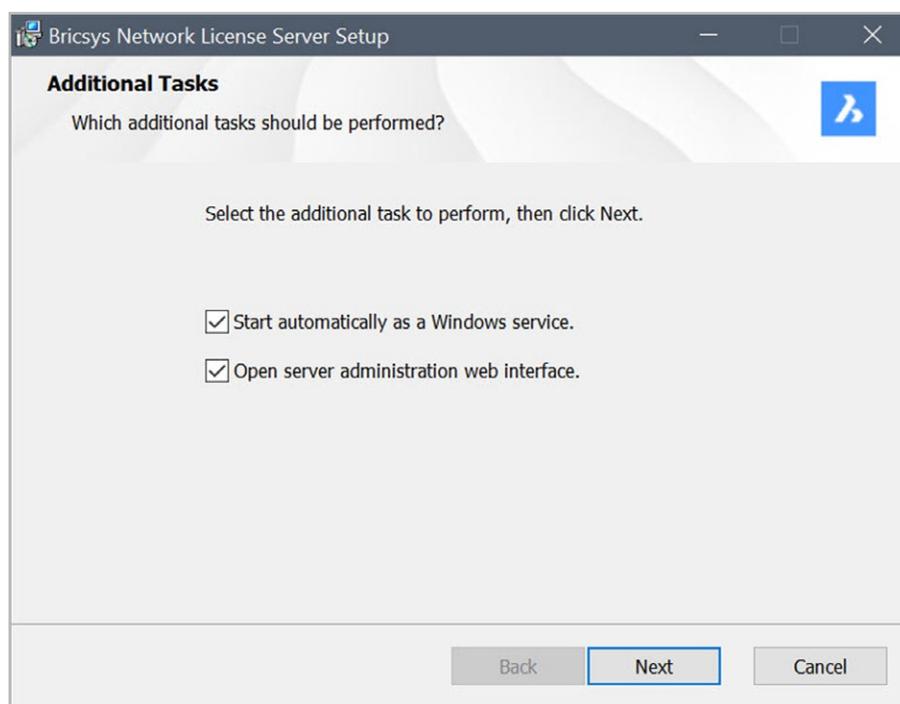
Note:

- The Bricsys Network License Server contains the RLM server and the Bricsys Network License Manager.
- The Bricsys Network License Server is powered by a recent version of RLM framework (V15.2). See more information in the [Bricsys Network License Server - Release Notes](#).

Remember: Bricsys Network License Manager does not support updating licenses that are manually merged into one complex file, it supports the default setup: one Bricsys software license per file.

New installation of Bricsys Network License Server

In the **Bricsys Network License Server Setup** dialog box, make sure to tick all the checkboxes.



- **Start automatically as a Windows service**

After the installation, the **Bricsys Network License Manager** dialog box opens. Click the **Add License** button to open the **Activate New Network License** dialog box and enter your network license to activate it.

See more information the [Online activation \(Network license\)](#) article.

- You can later open the **Bricsys Network License Manager** dialog box using the **Bricsys Network License Manager** desktop shortcut.
Note: If no active license is detected on your system, the **Activate New Network License** dialog box will show first.
- Each time you start Windows, the license server is automatically started as a service. You can do this later with the following command in the elevated command prompt: `rlm.exe -dlog rlm.log -install_service.`
- **Open server administration web interface**
After the installation, the **Reprise License Server Administration** web interface opens. It allows you to manage the network license. You can open the **Reprise License Server Administration** later by clicking the **License Server Administration** shortcut in the Start menu.

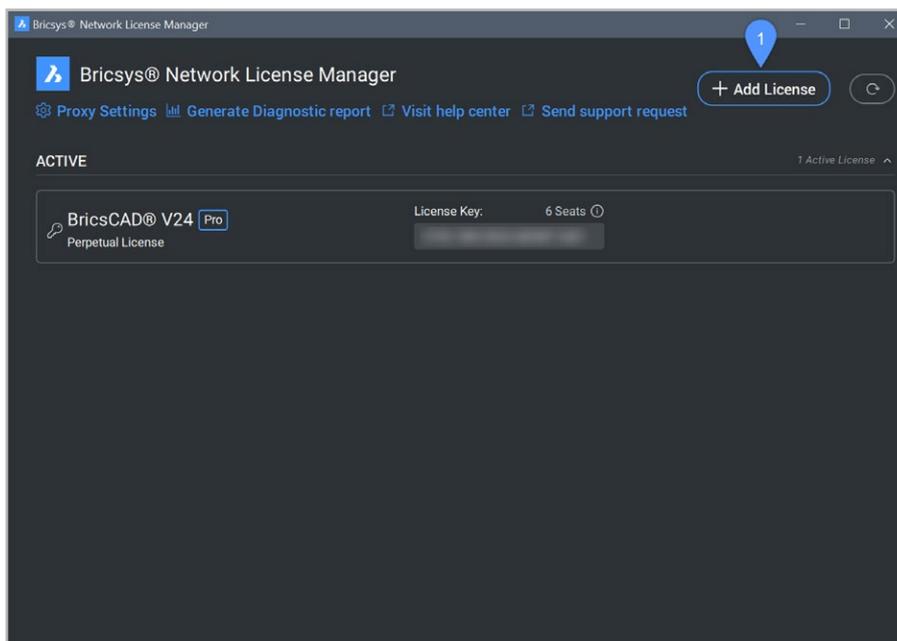
Setting up a Linux License server

For Offline (Manual) activation please refer to:
[BricsCAD Offline Installation Instructions](#)

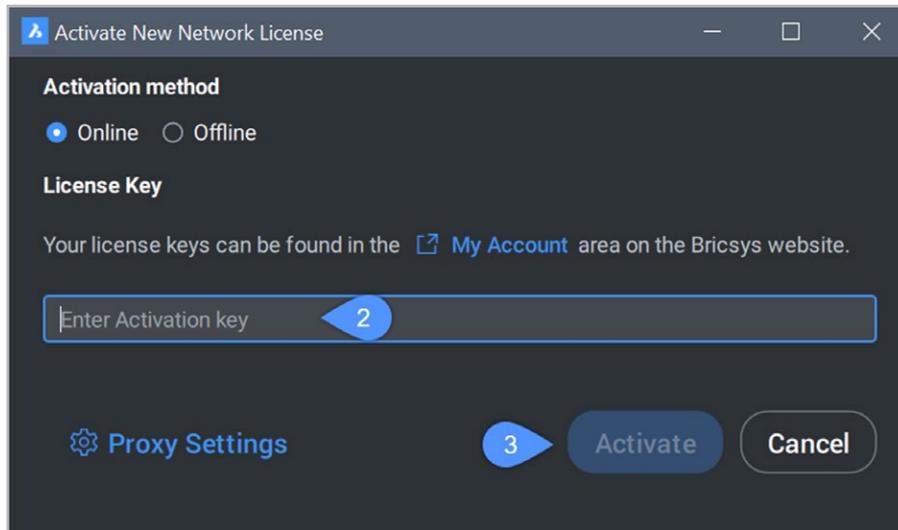
Network License: Online Activation

The BricsCAD license activation requires an internet connection at the moment of activation.

1. You can either:
Click the **Bricsys Network License Server** desktop shortcut.
Click the **Bricsys Network License Server** shortcut in the operating system Start menu.
`C:\Program Files\Bricsys\Bricsys Network License Server\NetworkLicenseManager.exe`
2. The **Bricsys Network License Manager** dialog box opens.



3. Click the **Add License** button (1) to open the **Activate New Network License** dialog box.



Enter the new network license in the **Enter Activation Key** field (2) and click **Activate** (3). Use the license key from your Bricsys account. See also the [Where can I find my licenses?](#) article.

Note: If no active license is detected on your system, the **Activate New Network License** dialog box will show first.

Network License: Offline (Manual) Activation

If your computer is not connected to the internet, you can activate the license manually via another computer that is connected to the internet. If you can have an internet connection available, even only during activation, we recommend using the online activation process.

For more information on Offline/Manual Activation (Network License) please refer to:
[Offline/Manual Activation \(Network License\)](#)

Upgrading a Network License

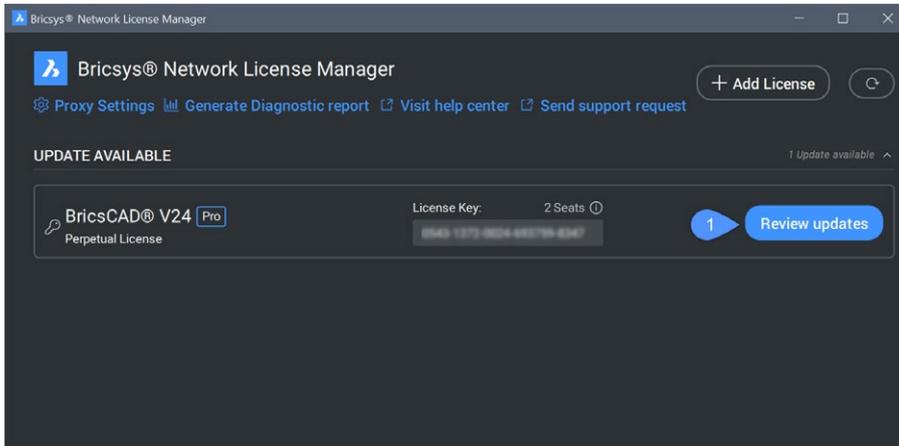
Upgrading to the next BricscAD version when having Active Maintenance (Network License)

Install the new Bricsys Network License Server, which contains the Bricsys Network License Manager. In general, Bricsys Network License Server downloading, deployment and configuration is a duty for the network/system administrator. See the [Setting up a Windows Network License Server](#) article for more information.

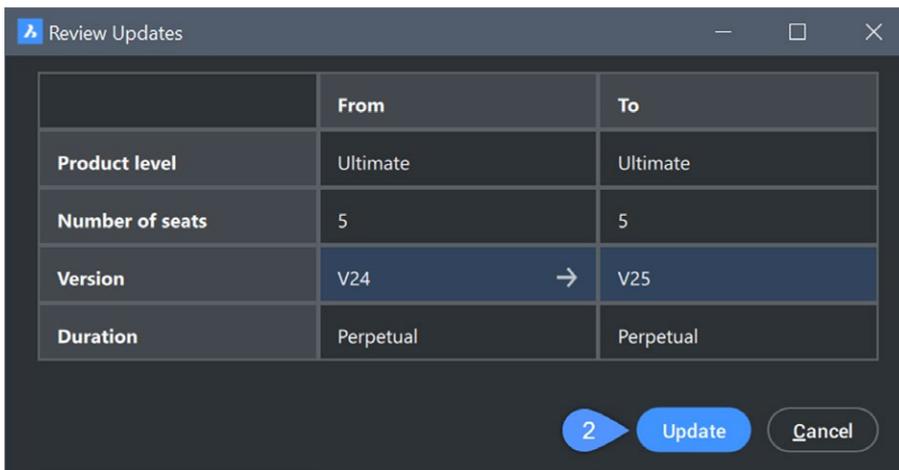
Note:

- The new Bricsys Network License Manager uninstalls the old one automatically.
Important: If you created a rlm.pw file with RLM V14.2 or earlier, that PW file is no longer valid. To fix this, you must delete the old PW file and create a new one. See the [Setup RLM login](#) article for more information.
- The active licenses are kept and displayed in the new **Bricsys Network License Manager** dialog box.

All licenses under Maintenance, where you are entitled to a version upgrade, are shown under the **Update available** category.



Click the **Review updates** button (1) to open the **Review Updates** dialog box to have an overview of which updates are available for that license.



Click the **Update** button (2) to update the license on your Network License Server.

Note: If the **Bricsys Network License Manager** dialog box was already open, you might need to click the refresh button  to have the **Review updates** button available.

If the update of a license is not automatically detected, retrieve the license key in the **My licenses** section under your account. See the [Where can I find my licenses?](#) article for more information. Next, enter the key in the **Bricsys Network License Manager** dialog box manually using the **Add a license** button.

For licenses that were offline activated:

- If the license was activated offline, but the Network License Server has an internet connection, the update of the license will be detected automatically. The update process will be as described above.
- If the Network License Server still does not have an internet connection:
 1. You need to revoke the license first. See the [Deactivate or revoke a license](#) article for more information. If no more revokes are available, you need to contact support.
Remember: Only 2 revokes are possible per license.
 2. Retrieve the license key in the **My licenses** section under your account. See the [Bricsys Help Center](#) for more information.
 3. Activate the license using the offline process. See also the [Offline/manual activation \(Network license\)](#) article.

Important: Make sure you permanently delete all copies (including copies of older licenses files) of the BricsCAD Network license files that are currently on your companies' servers (including those of your employees, contractors, etc.) in excess of those that you are entitled to. This means that you need to ensure that even copies of old Network licenses which have been upgraded to newer versions are deleted.

Note: Communicator for BricsCAD® licenses behave the same as BricsCAD licenses.

Upgrading BricsCAD or extending your Subscription (Network License)

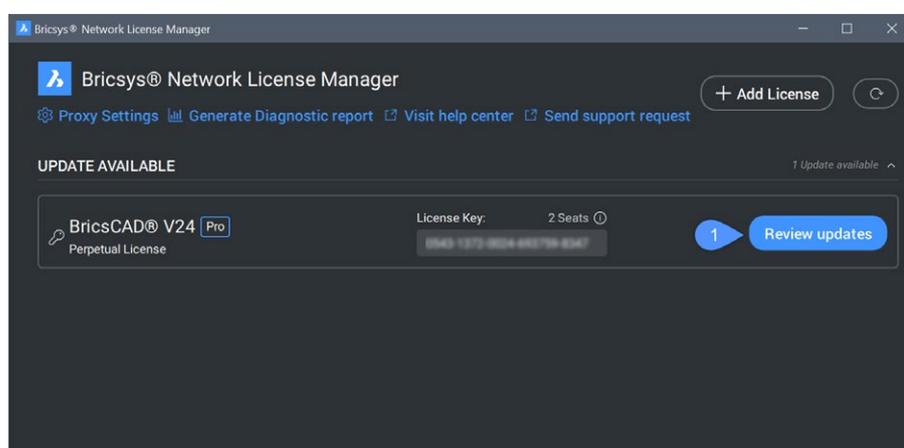
Install the new Bricsys Network License Server, which contains the Bricsys Network License Manager. In general, Bricsys Network License Server downloading, deployment and configuration is a duty for the network/system administrator. See the [Setting up a Windows Network License Server](#) article for more information.

Note:

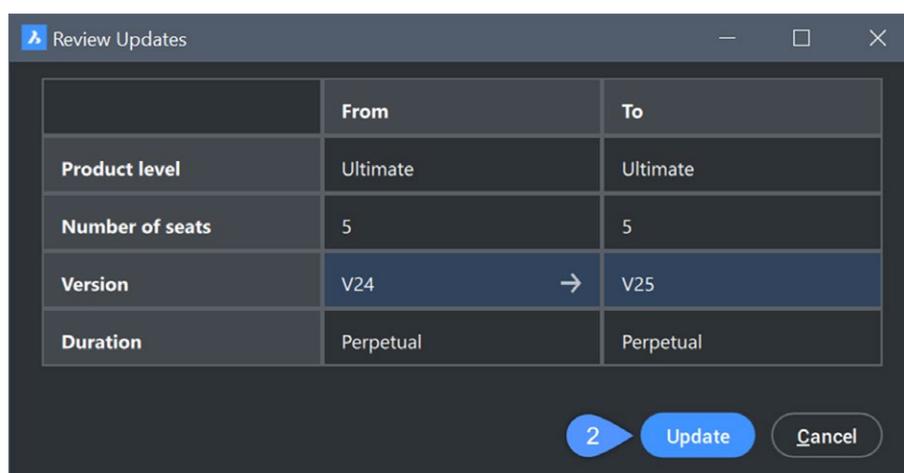
- The new Bricsys Network License Manager uninstalls the old one automatically.
Important: If you created a rlm.pw file with RLM V14.2 or earlier, that PW file is no longer valid. To fix this, you must delete the old PW file and create a new one. See the [Setup RLM login](#) article for more information.
- The active licenses are kept and displayed in the new **Bricsys Network License Manager** dialog box.

When you have purchased a version upgrade, product upgrade, seats upgrade or have extended your subscription license for Network license, and you are connected to the internet

For network licenses, all updates are detected automatically and are shown under the **Update available** category.



Click the **Review updates** button (1) to open the **Review Updates** dialog box to have an overview of which updates are available for that license.



Click the **Update** button (2) to update the license on your Network License Server.

Note: If the **Bricsys Network License Manager** dialog box was already open, you might need to click the refresh  button to have the **Review updates** button available.

If the update of a license is not automatically detected, retrieve the license key in the **My licenses** section under your account. See the [Where can I find my licenses?](#) article for more information. Next, enter the key in the **Bricsys Network License Manager** dialog box manually using the **Add a license** button.

For licenses that were offline activated:

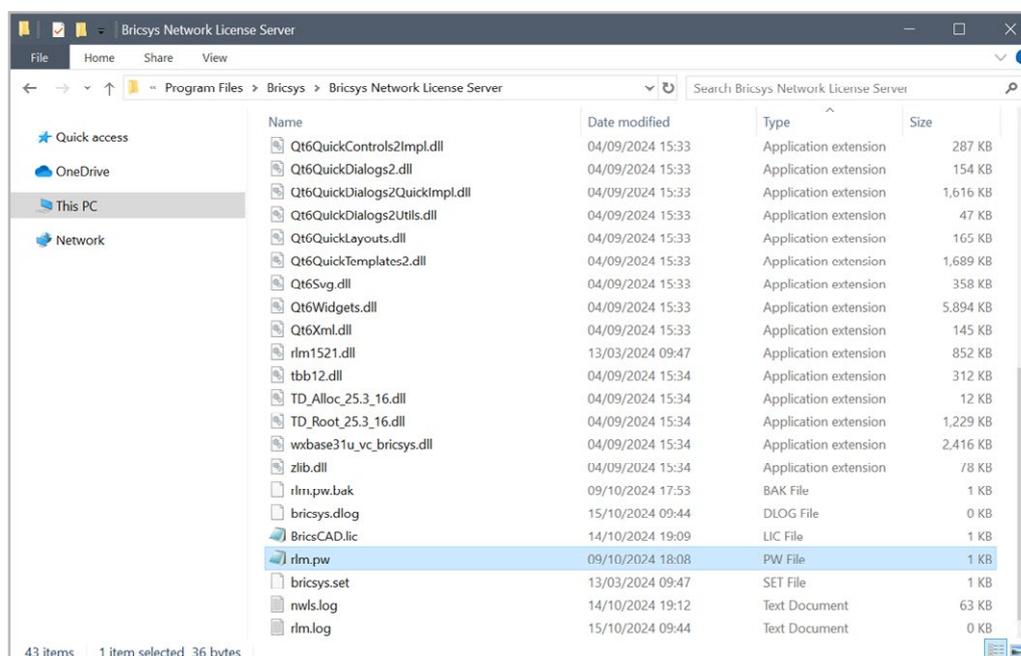
- If the license was activated offline, but the Network License Server has an internet connection, the update of the license will be detected automatically. The update process will be as described above.
- If the Network License Server still does not have an internet connection:
 1. You need to revoke the license first. See the [Deactivate or revoke a license](#) article for more information. If no more revokes are available, you need to contact support.
Remember: Only 2 revokes are possible per license.
 2. Retrieve the license key in the **My licenses** section under your account. See [Bricsys Help Center](#) for more information.
 3. Activate the license using the offline process. See also the [Offline/manual activation \(Network License\)](#) article.

Important: Make sure you permanently delete all copies (including copies of older licenses files) of the BricsCAD Network license files that are currently on your companies' servers (including those of your employees, contractors, etc.) in excess of those that you are entitled to. This means that you need to ensure that even copies of old Network Licenses which have been upgraded to newer versions are deleted.

Network License Administration

Setup RLM Login

Starting with RLM V15.1, a default user with the username admin and password admin is created if rlm.pw does not already exist in the Bricsys Network License Server folder (by default `C:\Program Files\Bricsys\Bricsys Network License Server`).

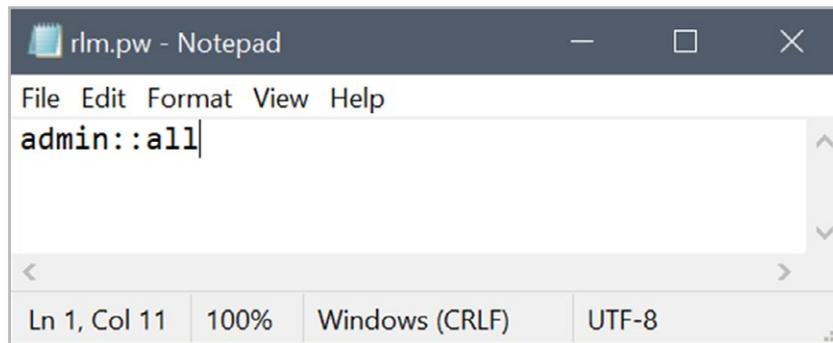


Important: When upgrading from the old versions of RLM framework (14.2 and earlier), the old PW files are no longer valid. To fix this, you must delete the old PW file and create a new one.

1. The RLM password file (rlm.pw) has one line for each user, formatted as follows:

```
username::all
```

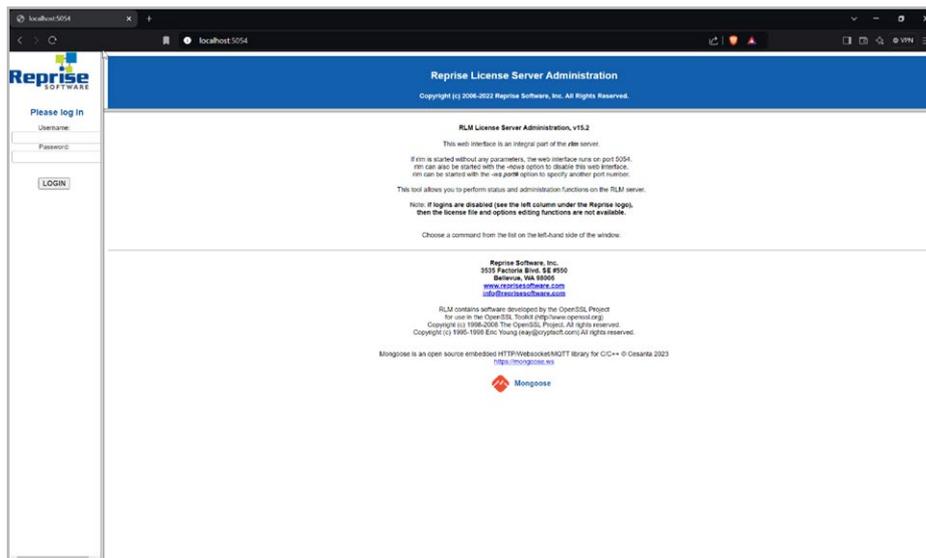
The username cannot contain a ':' character. The password field is initially left blank. The permissions are generally set to **all**.



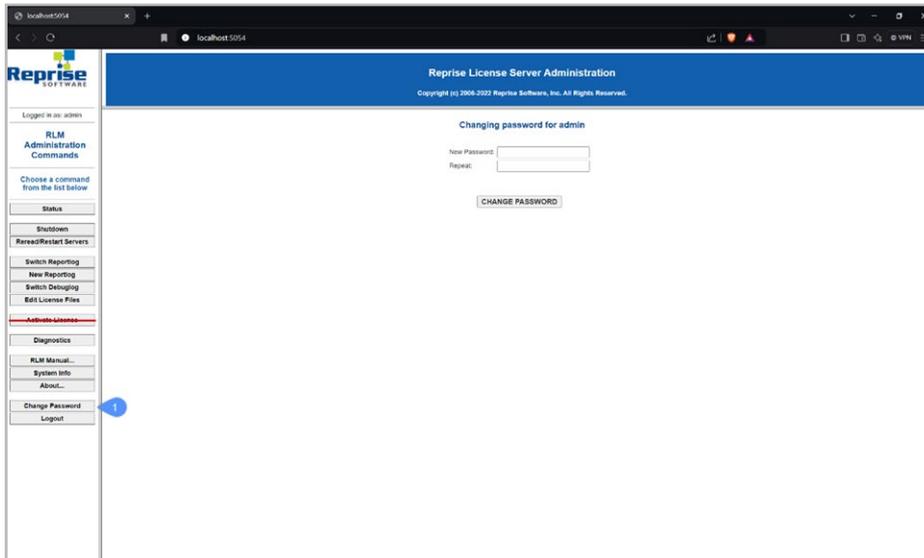
2. Access the license server web portal from the browser by using localhost:5054 in the same system or by using <License_Server_IP>:5054 in other systems.

3. You are prompted for a username and password. You can enter the username and log in without supplying a password since the password field is left empty.

Note: If you do not add a password to the newly created login, the result will be that the RLM will shut down by itself in 10 minutes, and other undesired effects will appear, such as an incomplete Diagnostics file.



4. To set a password or to change it later, select the **Change Password** button (1) once logged in as that user. Enter the new password and click the **CHANGE PASSWORD** button to update it. The new password is written to the rlm.pw file automatically. In the rlm.pw file, the password field is an encrypted hash of the actual password (similar to the Unix password file).



After that, restart the server or simply kill the rlm.exe process and start it again from Windows services. Then, go back to the web UI and log in with the new credentials.

- Whenever a new user attempts to access the web portal, authentication (username and password) will be requested.

Note:

- It is recommended to protect access to this file so that regular users cannot edit it. The RLM password file and the directory containing it must be read-written to the RLM process.
- If there are any users without passwords and/or the admin password is still the default, for longer than 10 minutes the server will shut down automatically.
- Starting with RLM V15.1, a default user with the username admin and password admin is created if rlm.pw does not already exist.

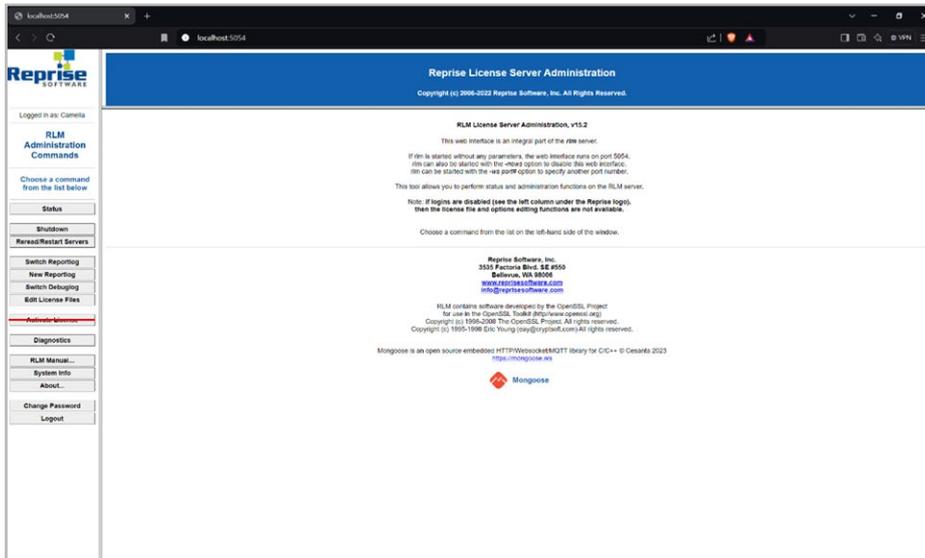
For a list of permissions field of the various privileges that you can assign to users:
[Setup RLM Login](#)

Network License Server Administration

When the Network License Server (also named RLM License Server) is running, you can configure it in the Reprise License Server Administration web interface. See also the [Setup RLM login](#) article.

Opening the web interface

- If the Network License Server is not running, click the **Bricsys Network License Server** desktop shortcut (on Windows 10 or higher: right-click > Run as administrator). The **Bricsys Network License Manager** dialog box opens.
- Browse to **http://localhost:5054**. The Reprise License Server Administration web interface opens.



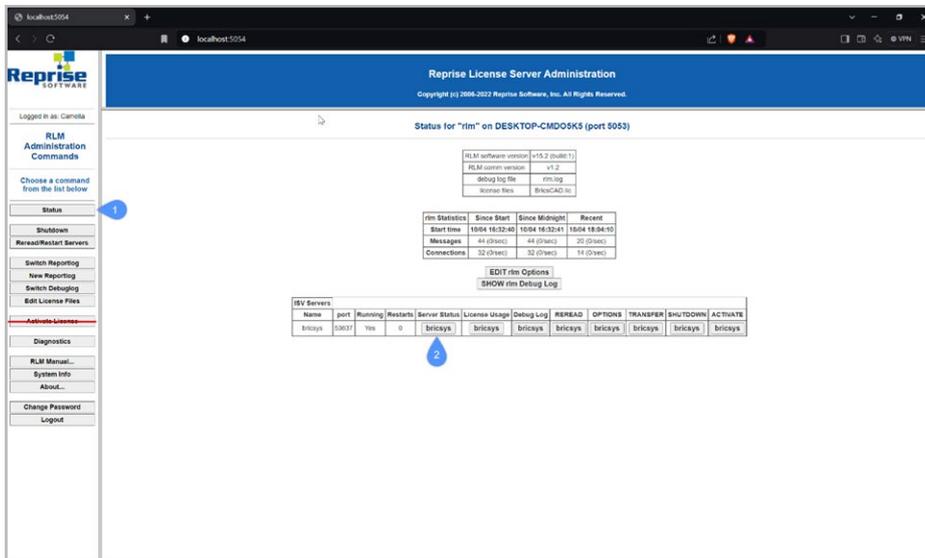
Note:

- Do not use the **Activate License** button because it is not related to Bricsys licenses.
- To get an overview of all options, click the **RLM Manual...** button on the left or go to the [RLM License Administration Manual](#).

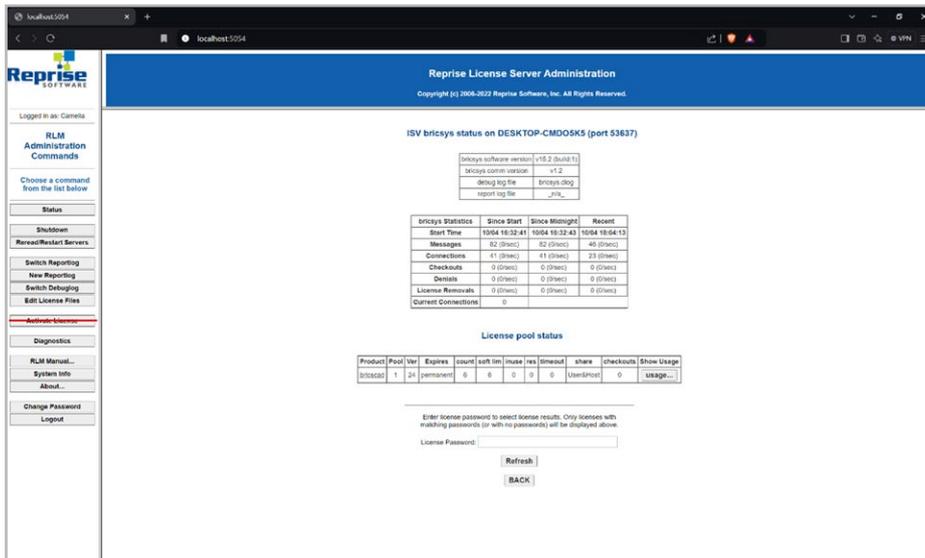
Checking the license and server status

You can check the status of all network licenses on the server.

1. Click the **Status** button (1) on the left.
The **Status for "rlm" on LicenseServer (port 5053)** page opens.



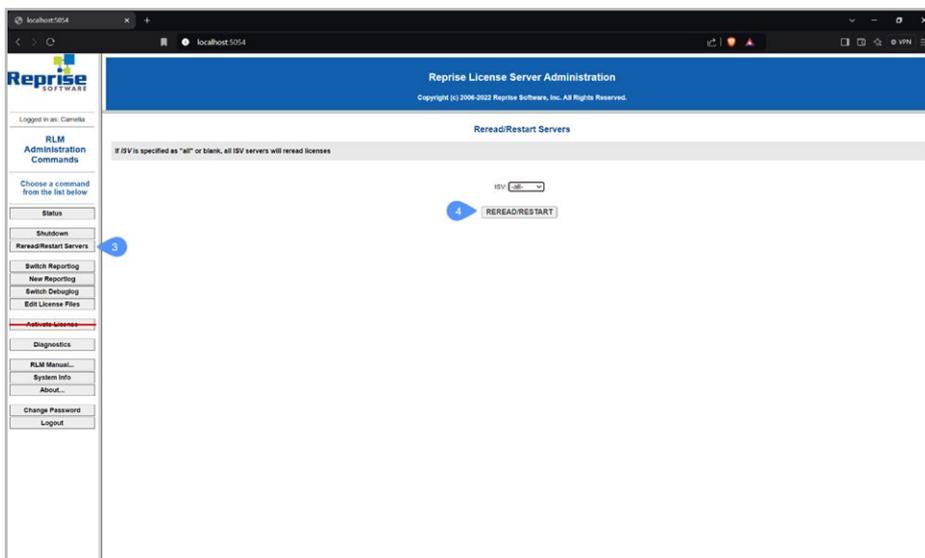
- Click the **bricsys** button (2) in the **Server Status** column of the ISV Servers table to view the status of the Bricsys Network license.



Rereading the License / Restarting the Server

If you want to restart the server, for example, after modifying the bricsys.opt file, follow the next steps:

- Click the **Reread/Restart Servers** button (3) on the left. The **Reread/Restart Servers** page opens.



- Click the **REREAD/RESTART** button (4). The server restarts and rereads the Network license.

For video instructions on installing a BricsCAD Network License, please refer to:
[Bricsys Learning: Installing a BricsCAD Network License](#)

Advanced Configurations

Once the Network License Server is set up, BricsCAD may report error -17 when trying to connect to the server. The presence of firewalls, proxy servers, anti-virus software, and other security measures may be the cause.

For a list of common BricsCAD Error Codes, visit:
[BricsCAD Licensing Error Codes](#)

Anti-virus

If anti-virus software is running on the server and blocking the license server program (**rlm.exe** on Windows, **rlm** on Linux), you need to unblock the RLM service in the anti-virus configuration.

Check your anti-virus configuration on how to unblock services.

Firewall

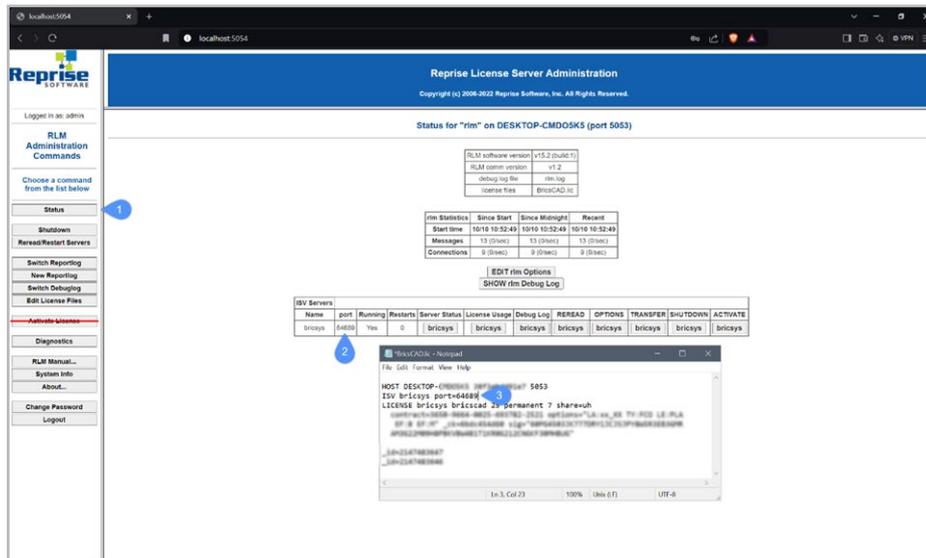
If a firewall is installed between the server and BricsCAD, 2 port numbers need to be opened in the firewall: the port number 5053 and the port number assigned to the Bricsys license server.

This port number is dynamically assigned when the license server starts. To open this port in the firewall, it must be first set in the BricsCAD.lic file on the server:

1. Open the Reprise License Server Administration web interface at **<http://localhost:5054>**.
2. Click the **Status** button (1) on the left. The **Status for "rlm" on [LicenseServer] (port 5053)** page opens.
3. Look up the port number in the ISV Servers table. The port number is displayed in the bricsys row in the second column (2).
4. Copy this port number.

- Open the BricsCAD.lic file in a text editor (for example Notepad, Gedit, etc.). The default location of the file is `C:\Program Files\Bricsys\Bricsys Network License Server.`

You can fix the port number by modifying the line `ISV bricsys` into: `ISV bricsys port=[port number]` (3), where [port number] must be replaced by port number copied from the ISV Servers table.



- In the firewall, open both numbers 5053 and the port number you added to the BricsCAD.lic file.
- Shut down and restart the license server program.

Note: If this does not solve the problem, add the license server program (rlm.exe on Windows, rlm on Linux/macOS) as an exception onto the firewall exceptions and restart the license server again.

Proxy server

If a proxy server exists between BricsCAD and the Network License Server, proxy settings should be configured in BricsCAD. See [Proxy Settings on a Client Computer](#) article.

For more information on Proxy settings and their configurations, please refer to:
[Configuring Proxy Settings](#)

License Pooling

About

When having multiple license levels present, the Bricsys Network License Server will allocate the seats to BricCAD machines in the order of the LIC file names. For example, if you have BricCAD Lite and BricCAD Pro, by default the Bricsys Network License Manager will allocate seats to BricCAD machines in the order of the LIC file names in the RLM web application. If you want to control in detail this action, please edit the options file: **bricsys.opt**.

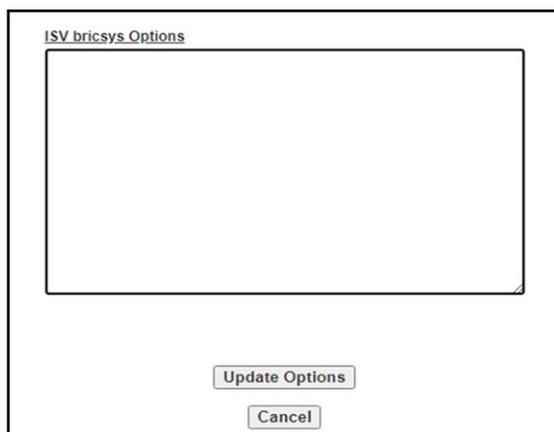
Editing the options

You can edit the options in 2 ways:

- In the **bricsys.opt** file, located in the Bricsys Network License Server installation folder.
Note: The bricsys.opt file is a text file and can be edited with any text editor.

or

- On the web interface (**Reprise License Server Administration**).
 - Browse to `http://localhost:5054` on the Network License Server.
 - Click **Status** in the menu on the left side.
 - Click **bricsys** in the OPTIONS column for the **bricsys** ISV row.



It is important that each time the bricsys.opt file is edited/updated that a **Reread/Restart** of the license server is required.

Commonly used options

Groups can be used to define a list of usernames, hostnames, or IP-addresses. The name can later be used to apply rules for that group.

	(group of user(s).	Syntax	Example
GROUP	Defines a group of usernames.	GROUP name list-of-usernames	GROUP engineers userA userB userC
HOST_GROUP	Defines a group of hostnames.	HOST_GROUP name list-of-hostnames	HOST_GROUP firstFloor machineA machineB machineC
INTERNET_GROUP	Defines a group of IP-addresses.	INTERNET_GROUP name list-of-ip-addresses	INTERNET_GROUP networkGhent 192.168.1.* 192.168.2.* The wildcard character (*) can be used in IP addresses.
RESERVE	Reserve a number of licenses to a specific (group of) user(s).	RESERVE num product user host group host_group internet internet_group project who [id=nnn]	RESERVE 20 bricscad GROUP engineers id=nnn
MAX	Limit the number of licenses available to a specific (group of) user(s).	MAX num product user host group host_group internet internet_group project who [id=nnn]	MAX 5 bricscad HOST_GROUP firstFloor
INCLUDE	Only allow licenses for a product to a specific (group of) user(s). Anyone not specified by the INCLUDE line is not allowed to use the product.	INCLUDE product user host group host_group internet internet_group project who [id=nnn]	INCLUDE bricscad GROUP bricscadusers [id=nnn]
EXCLUDE	Disallow licenses for a product to a specific (group of) user(s).	EXCLUDE product user host group host_group internet internet_group project who [id=nnn]	EXCLUDE bricscad INTERNET_GROUP networkGhent 192.168.1.* id=nnn Note: The wildcard character (*) can be used in IP addresses.

Important: If the number of RESERVED seats for multiple GROUPs equals all seats of the license, then only the first GROUP can access the licenses, and the rest of GROUPs will get the **error -22: All licenses in use**.

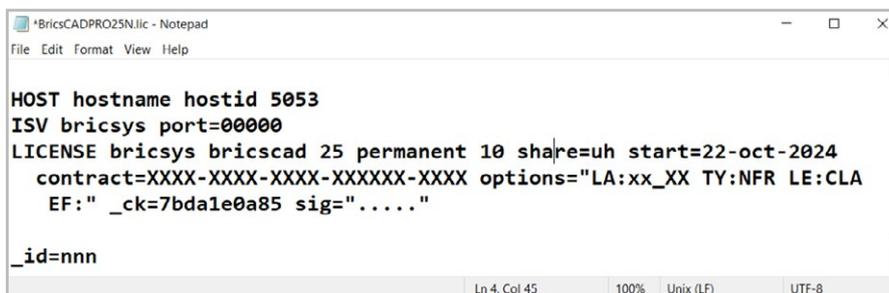
More options can be found in the RLM end user manual, under the The **ISV Options File** chapter.

License file Identifiers

Note:

- After activation of a **new** network license, an '_id=nnn(*)' field is auto-generated, and it is added at the end of the license file.

Note: (*) nnn is the number of the generated ID



```
*BricsCADPRO25N.lic - Notepad
File Edit Format View Help

HOST hostname hostid 5053
ISV bricsys port=00000
LICENSE bricscad 25 permanent 10 share=uh start=22-oct-2024
contract=XXXX-XXXX-XXXX-XXXXXX-XXXX options="LA:xx_XX TY:NFR LE:CLA
EF:" _ck=7bda1e0a85 sig="....."

_id=nnn

Ln 4, Col 45 100% Unix (LF) UTF-8
```

- If you are **upgrading** an **existing** network license, its original Identifier number remains unchanged.

This '_id' is used to identify each license file, and it will be used for license pooling options.

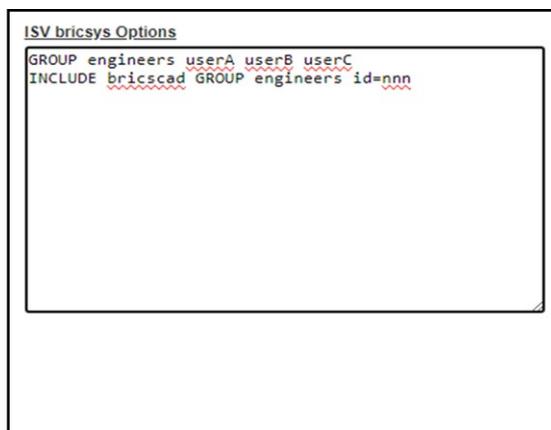
When specifying an [id=nnn] parameter for an added OPTION, that OPTION will only have effect on the pooling of the seats from the corresponding license.

Example of using the GROUP option with an Identifier:

Here we have created a GROUP called engineers, identified by their usernames.

INCLUDE specifies that these users are allowed to use the product Identified by **_id=nnn**.

Anyone not specified in the INCLUDE line, is not allowed to use this product.



```
ISV bricsys Options
GROUP engineers userA userB userC
INCLUDE bricscad GROUP engineers id=nnn
```

License pooling by RLM_PROJECT

The following applies to cases where multiple levels of network licenses are activated on the same RLM server. Consequently, the users are able to decide what license level to acquire when activating BricsCAD.

The user can obtain a specific BricsCAD license level, based on the RLM_PROJECT environment variable which should match the ISV server options. The license seats will be reserved on the ISV server for the specific PROJECT users by an Identifier.

Note: Please be aware that the following actions are to be executed by an IT department person.

1. RLM server actions

Having two license files with different IDentifiers (Lite_id=xxxxxxx and Pro_id=yyyyyyy), add RESERVE options (in the bricsys.opt file) for all the licenses seats:

```
ISV bricsys Options
RESERVE 5 BRICSCAD PROJECT bc_lite id=xxxxxxx
RESERVE 5 BRICSCAD PROJECT bc_pro id=yyyyyyy
```

2. BricsCAD user actions

Create a script that sets a temporary environment variable RLM_PROJECT on the user machine, which will allow BricsCAD to negotiate with the RLM server the PROJECT license pool.

Executing a specific script will allow BricsCAD to pull the desired license level. It can be *.CMD (command prompt) files:

```
BCLite25.cmd - Notepad
File Edit Format View Help
@echo off
set RLM_PROJECT=bc_lite
call "C:\Program Files\Bricsys\BricsCAD V25 en_US\bricscad.exe"
Ln 1, Col 1 100% Windows (CRLF) UTF-8

BCPro25.cmd - Notepad
File Edit Format View Help
@echo off
set RLM_PROJECT=bc_pro
call "C:\Program Files\Bricsys\BricsCAD V25 en_US\bricscad.exe"
Ln 3, Col 64 100% Windows (CRLF) UTF-8
```

or it can be *.PS1 (powershell) files:

```
BCLite25.ps1 X
1 o $env:RLM_PROJECT = "bc_lite"
2 o Start-Process -FilePath "C:\Program Files\Bricsys\BricsCAD V25 en_US\bricscad.exe"

BCPro25.ps1 X
1 o $env:RLM_PROJECT = "bc_pro"
2 o Start-Process -FilePath "C:\Program Files\Bricsys\BricsCAD V25 en_US\bricscad.exe"
```

Since all license seats are RESERVED in the RLM options, BricsCAD will not be able to acquire a license when the RLM_PROJECT variable does not exist, or when it has a value which does not match the ISV server options.

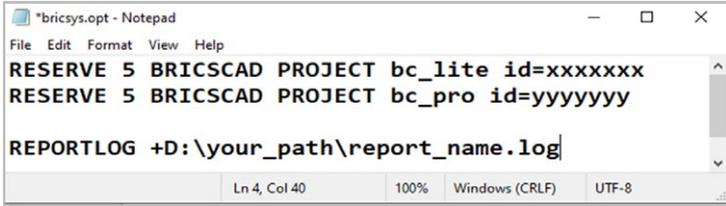
Raising the available seats above 5 or lowering the RESERVE count below 5 would let some licenses be available freely. The RLM_PROJECT also works with the other (EXCLUDE/INCLUDE/...) options so a lot of configurations are possible.

For more information, please refer to:
[RLM License Administration Manual](#)
[Bricsys License Pooling](#)

Network license usage report

There are several possibilities to check the network license usage:

- From the RLM web UI:
Browse to <http://localhost:5054/> and go to **Status > License Usage > bricsys**.
- From the **bricsys.dlog** file which contains the IN/OUT information. This file is in the RLM folder: `C:\Program Files\Bricsys\Bricsys Network License Server`.
- REPORTLOG option. This option is described on pages 79 and 106 in the [RLM License Administration](#) manual. It should be added to the **bricsys.opt** file like this:



```
*bricsys.opt - Notepad
File Edit Format View Help
RESERVE 5 BRICSCAD PROJECT bc_lite id=xxxxxxx
RESERVE 5 BRICSCAD PROJECT bc_pro id=yyyyyyy

REPORTLOG +D:\your_path\report_name.log
Ln 4, Col 40 100% Windows (CRLF) UTF-8
```

Next, perform a Reread/Restart Servers.

The + sign means the new data is appended to the file, otherwise the file will be overwritten.

- RLM License Administration Bundle:
<https://reprisesoftware.com/admin/software-licensing-downloads.php>
- JTB FlexReport:
<https://jtbworld.com/jtb-flexreport>

Using a Network License on a Client Computer

Activating on a Client Machine

The client machine must be:

- In the same **LAN** with the Bricsys Network License Server, physically or by VPN connection.
 - Able to communicate with the Bricsys Network License Server on port **5053** by the **TCP/UDP** protocol.
1. Do one of the following:
 - a. If you start BricsCAD for the first time, click the **Activate** button in the **BricsCAD Launcher** dialog box.
 - b. If you replace or upgrade an existing license, launch the LICENSEMANAGER command, click **Manage License**, and click **Modify**.
 2. Check the **Network License** option in the **License Manager > Activate BricsCAD** dialog box.
 3. Type the host name or IP address of the license server in the **Server name or address**.
There may be no need for this as BricsCAD will check the network for a license server at the start.
 4. (Optional) Type the port number in the **Port Number** field.

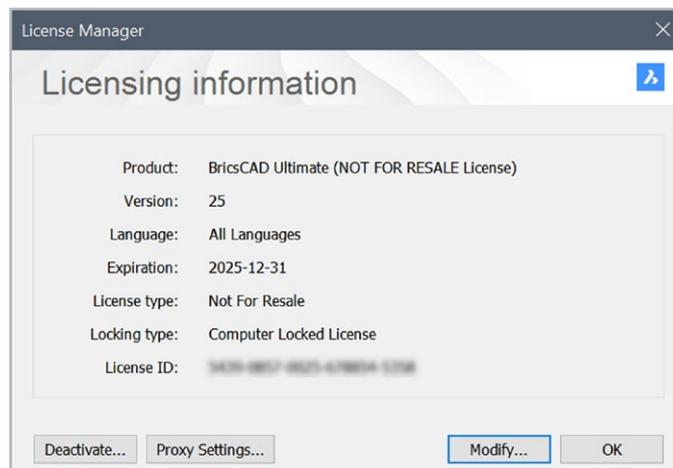
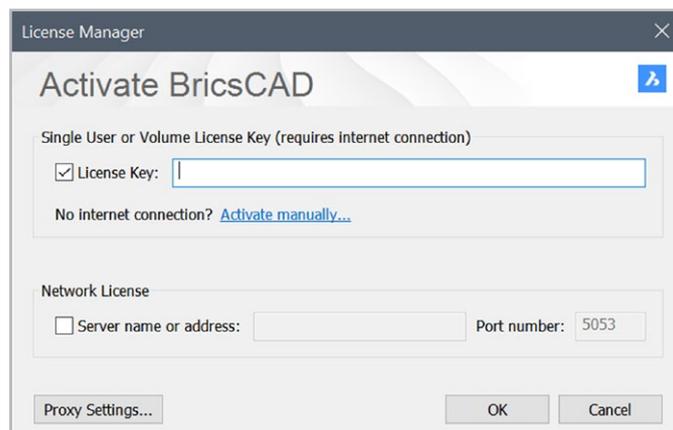


- If your computer is connected to the license server through a proxy server, click the Proxy Settings button to configure the proxy settings for a network license.
Note: Proxy Settings are also configurable from the Settings dialog box.
- Click the **OK** button.

Proxy settings on a Client Computer

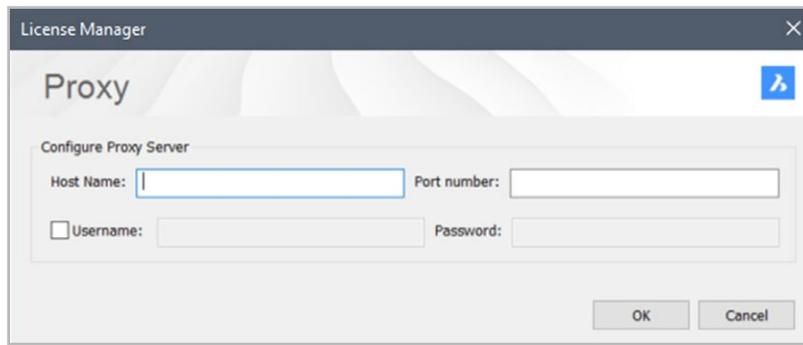
Configuring the proxy settings

- Click the **Proxy Settings...** button in the **License Manager > Activate BricsCAD** or the **Licensing Information** dialog box



The **License Manager > Proxy** dialog box opens.

- Complete the necessary fields in the **License Manager > Proxy** dialog box.



3. Click the **OK** button to continue.

Note:

The proxy settings configuration remains active for the current BricsCAD session only. If you need to reactivate or deactivate a license in a future session, you will have to reconfigure the proxy settings. The proxy server is also configurable from the **Proxy settings** section in the **Settings** dialog box.

Configuring the proxy settings permanently for network license use

If you use a network license, BricsCAD needs to connect to the license server each time a session is opened. Therefore, the proxy settings must be configured permanently.

Proceed as follows on the computer where BricsCAD is running:

1. Create the **HTTP_PROXY** variable: `HTTP_PROXY=[LicenseServer]:[PortNumber]`.
2. (Optional) If the proxy server supports basic authentication, create the **HTTP_PROXY_CREDENTIALS** variable: `HTTP_PROXY_CREDENTIALS=[UserName]:[Password]`.

Roam (check-out) a License

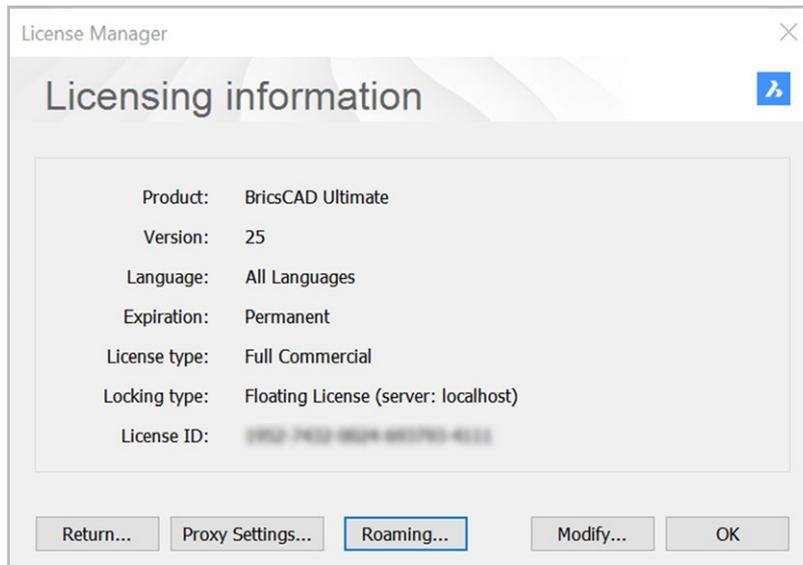
With a network license, you can set a floating license to roam to a system which will subsequently be disconnected from the network. The resulting license can be used for the number of days specified when the license was set to roam. After this period, the license is checked back in automatically. If needed, you can return the roamed license to the license pool early.

The license file(s) on the Network License Server contain(s) a parameter **max_roam_count**. This is set to the total number of seats on a network license by default.

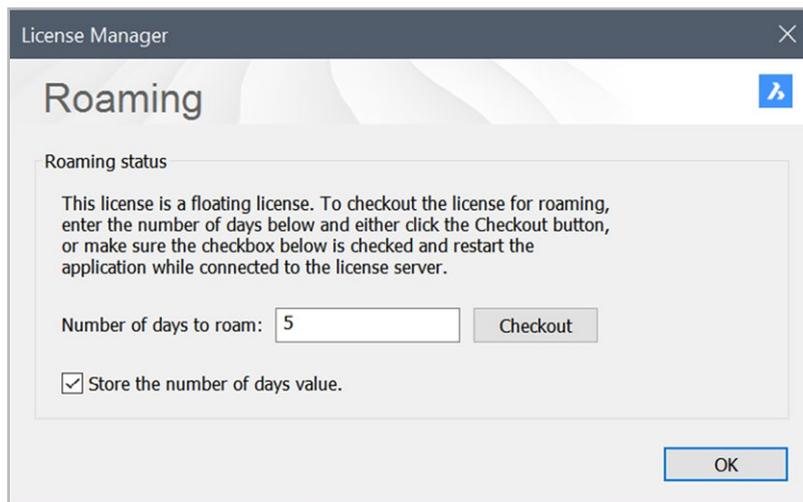
Roaming a Network License on a Client Computer

A network license can be roamed to use BricsCAD without connection to the license server (work outside of the office, at home, etc.).

When a network license is used on a client computer, the **Roaming...** button is displayed in the **License Manager > Licensing information** dialog box.



1. If your computer is connected to the license server through a proxy server, click the **Proxy Settings** button to configure the proxy settings for a network license.
2. Click the **Roaming...** button.
The **License Manager > Roaming** dialog box opens.

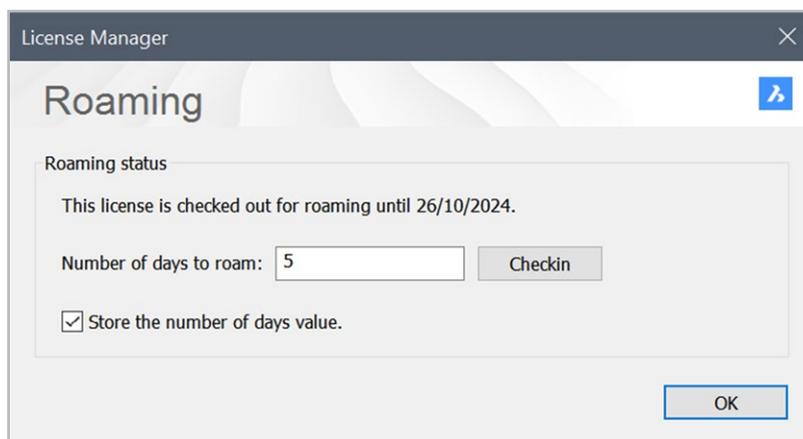


3. Enter the number of days you want to check out the license for roaming and click the **Checkout** button.
4. (Optional) Tick the checkbox if you want to automatically refresh the roaming period when your computer is connected to the server.
5. Restart BricsCAD to apply the changes.

Returning a roamed Network License to the Server

If you are connected to the license server, you can return a roamed license to the server.

1. Click the **Roaming...** button in the **License Manager > Licensing information** dialog box. The **License Manager > Roaming** dialog box opens.



2. Click the **Checkin** button.
3. Restart BricsCAD to apply the changes.

Deactivating and Revoking a License

Use this procedure to:

- Migrate a license to another computer.
- Permanently remove BricsCAD from a computer.
- Reactivate BricsCAD after installing a new hard disk, changing partitions, or upgrading the operating system.

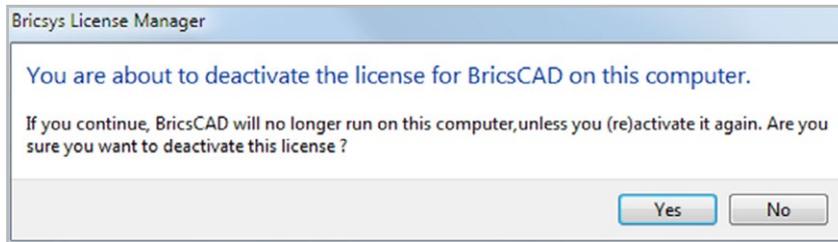
To deactivate a BricsCAD license, an internet connection is required. You cannot manually deactivate a license via another computer that is connected to the internet.

Note: You cannot deactivate:

- Single and volume licenses that are manually activated.
- Network licenses.
- Trial licenses.

To deactivate a license:

1. Launch the LICENSEMANAGER command. Click the **Manage License** option on the **Bricsys License Manager** dialog box. The **License Manager > Licensing information** dialog box displays.
2. If your computer connects to the license server through a proxy server, click **Proxy Settings...** to configure the proxy settings.
3. Click **Deactivate...**



4. Click the **Yes** button on the confirmation dialog box to deactivate the license. The license is deactivated and can be activated on another computer.

Note: There is no limited number of deactivations. To move a license, always use the deactivate and reactivate options.

Revoking a License

Important:

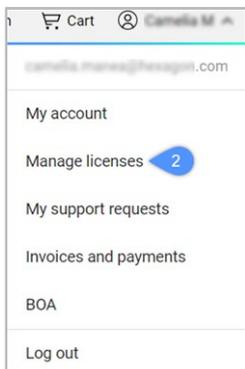
- Only revoke a license if deactivation is not possible.
- The revoke possibility is limited to two per key.

Use this procedure to:

- Deactivate a Network license or a Single or Volume License manually that is manually activated.
- Reactivate BricsCAD after a hard disk crash.
- Reactivate BricsCAD after installing a new hard disk, changing partitions, or upgrading the operating system.
- Migrate a license to another computer.
- Permanently remove BricsCAD from a computer.

To revoke a license:

1. Log in to the Bricsys website. Make sure you log in with the Bricsys account containing your licenses.



2. Click the **My Account** icon  and select **Manage licenses (2)** in the menu.



3. Hover over the license key of the license you want to revoke and click on the pencil icon. 



4. Scroll down and click the **x** icon to revoke the license.

Note: If you are a Maintenance user, contact support to review your additional revoke request.

Migrating Licenses

Migrating a Single or Volume License to another computer

All your valid licenses can be found on the Bricsys website (login required):

<https://www.bricsys.com/protected/account/licenses>.

1. Deactivate the license on the old computer.
2. Launch BricsCAD on the new computer.
3. Activate the license on the new computer.

Migrating a Network License to another server

Do the following:

1. Revoke the license. See the [Deactivate or revoke a BricsCAD license](#) article for more information.
2. Activate the license on your new server. See the [Online activation \(Network license\)](#) article for more information.
3. Shut down the license manager on the old server and delete the license file on the old server.

Note: The revoke possibility is limited to two per key. Contact support if you cannot revoke the license.

Managing BricsCAD Licenses with multiple Bricsys Accounts

You can share licenses with one or more other Bricsys accounts to allow them to view, activate and revoke your license(s).

Note: Managers must have a Bricsys account.

For more information, please refer to:

[Manage BricsCAD Licenses with multiple Bricsys Accounts](#)

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