



Installing and Administering the

OLI Network License Server

V5.x.x

think simulation

getting the
chemistry right

OLI Network License Server User Guide

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Version: OLI Network License Server 5.x.x

Contact Information

If you need to contact Support, you can submit an online request via the OLI Support Center:
<https://support.olisystems.com/>

Other useful links and resources are:

Product Downloads: <https://downloads.olisystems.com/>

Knowledge base articles:

[Download & Install OLI Network License Server for the First Time](#)
[Download & Install OLI Software for the First Time - Network User](#)
[OLI Network License Server – Opening a Port in Windows Defender Firewall](#)

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Introduction & Installation

OLI Network License Server – An Overview

OLI Network License Server is designed for organizations that need to share concurrent seats across one or more OLI applications or Alliance products. Running as a Windows service, the license server monitors the number of active users connected to each licensed product and maintains a dynamic matrix of maximum allowed versus currently connected users. This ensures that each product can be licensed for a specific number of concurrent users, providing flexibility and efficient license management.

This manual introduces the Network License Server and its companion tool, the **Network License Administrator**, which you can use to manage both the server and its users.

PLEASE NOTE: YOU MUST HAVE ADMINISTRATOR PRIVILEGES TO USE THIS SERVICE.

Getting Started with the Network License File

OLI will provide you with a license file with a proprietary extension (OLLic). (File name example: **LS541000 Company Name [12-31-2099].OLLic**) Inside this file, you will find a **Server Serial Number** and a **Client Serial Number**, among other product and license data. You can find these by right clicking on the license file and opening it with a text editor of your choice.

Note: Please refrain from changing the file extension. This will prevent OLI Network License Server from reading the file.

The beginning of the license file will look like this:

OLI License Information

=====

Protection Key ID = LS540000

Expiration Date = 12/31/2099

Server Serial Number = V2-AXXX-XXXX-XXXX-XXXX-XXXX-XXXX

Client Serial Number = V2-BXXX-XXXX-XXXX-XXXX-XXXX-XXXX

Server Serial Number Details

Expires 12/31/2099

Network License Server

Protection Key: HASP SL, ID = LS540000

**\DatabankInfo*

OLIProduct

OLIEngine

Client Serial Number Details

No Expiration Date

Network License Server Client

Protection Key: HASP SL, ID = LS540000

**\DatabankInfo*

OLIProduct

OLIEngine

The **Server Serial Number** will be used to:

- Download OLI Network License Server
- Install OLI Network License Server
- Download all OLI applications included in your license

The **Client Serial Number** will be used to:

- Install OLI applications on end-user client machines

Download and Installation

Download OLI Network License Server using the Server Serial Number from our [Downloads Page](#).

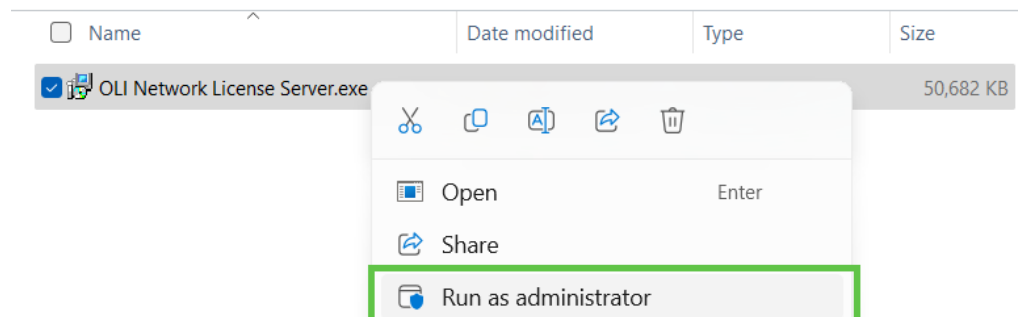
The download and installation process can be summarized in the following steps:

1. [Install OLI Network License Server](#)
2. [Load OLI Network License File](#)
3. [Generate Softkey Data](#)
4. [Wait for Softkey to Be Sent by OLI](#)
5. [Activate Softkey](#)
6. [Launch OLI Network License Server](#)

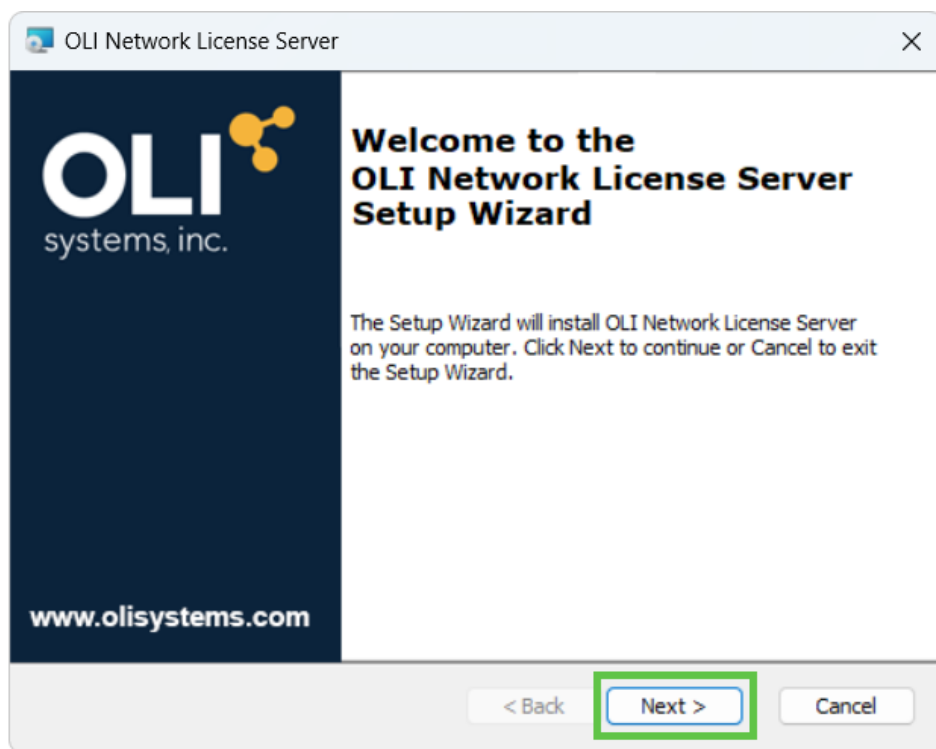
Note: For the latest updated version of this section of the user guide, see this article: [Download & Install OLI Network License Server for the First Time](#).

Install OLI Network License Server

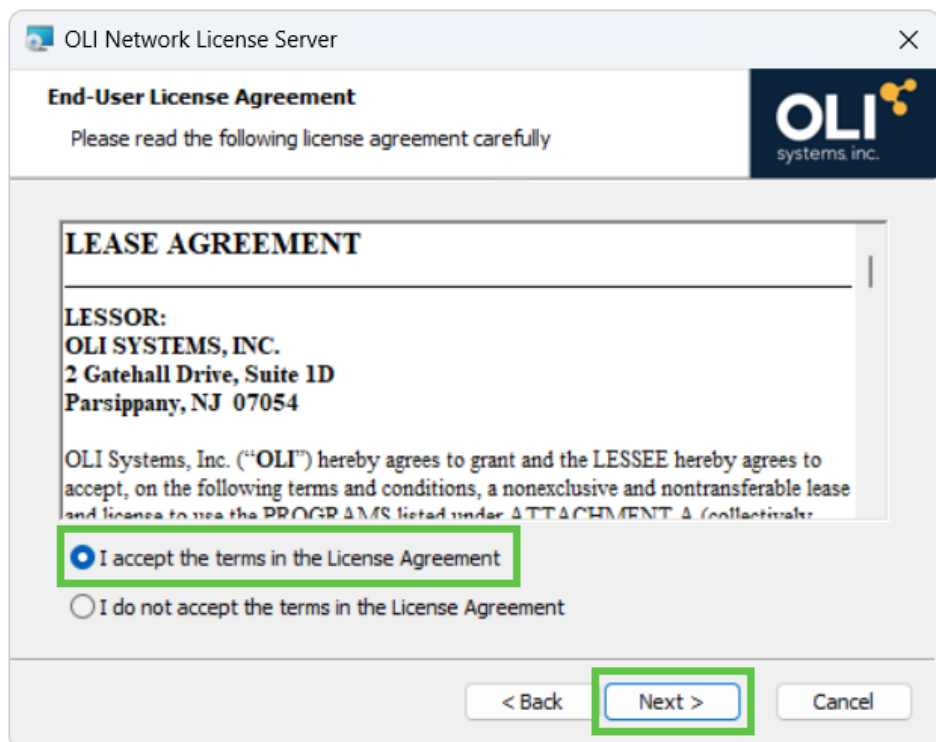
Once the installer is downloaded, right click, and select **Run as administrator**.



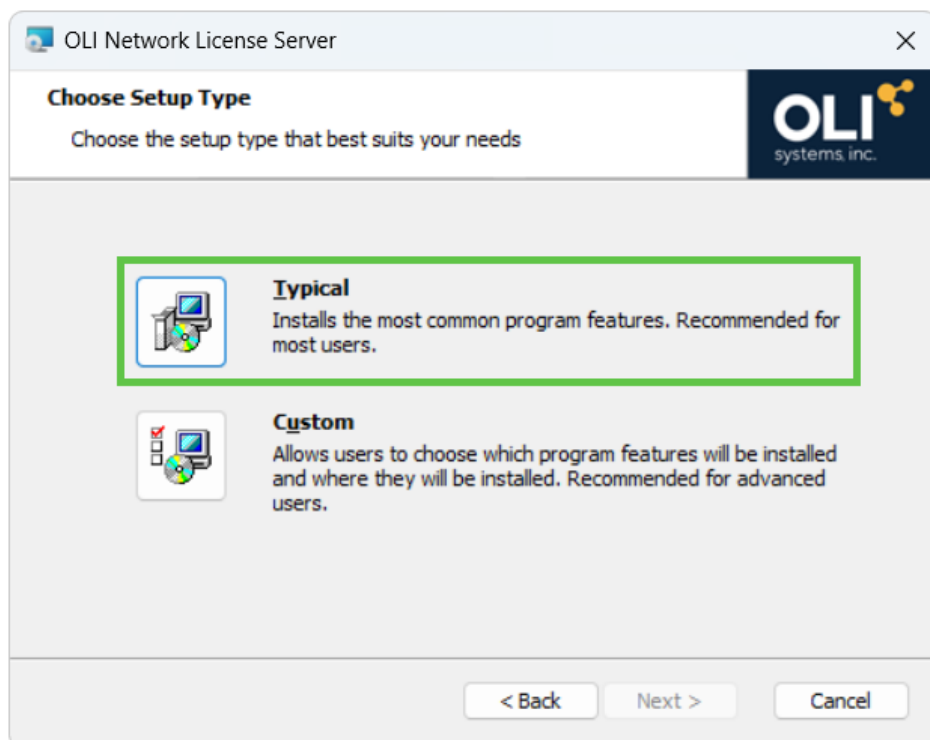
Click **Next >**



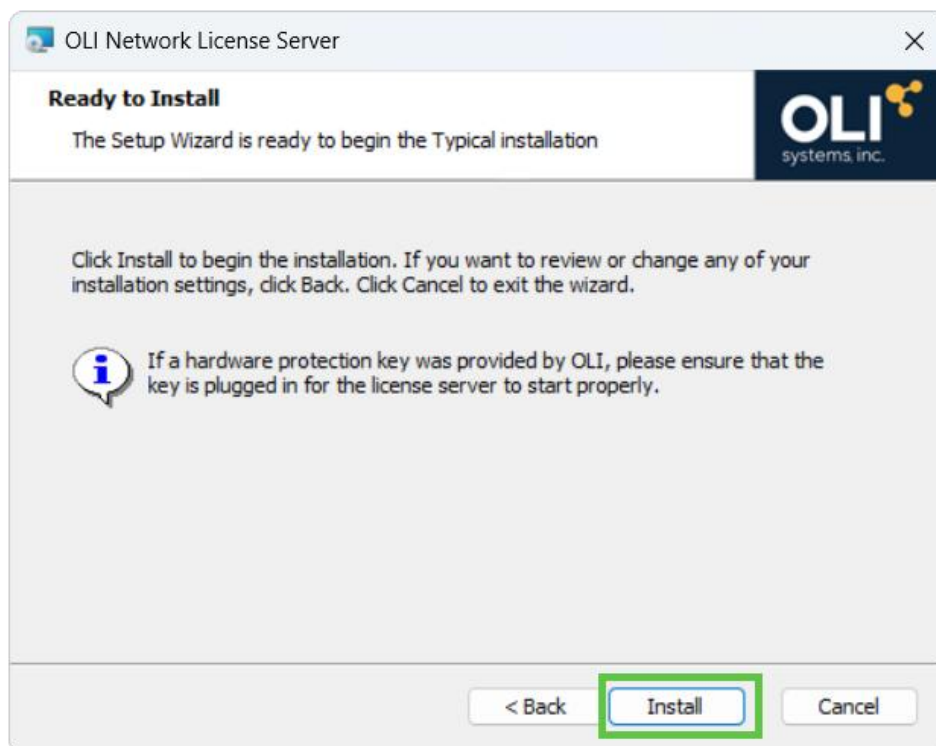
In the End-User License Agreement screen, select the **I accept the terms in the License Agreement** radio button, and then click **Next >**



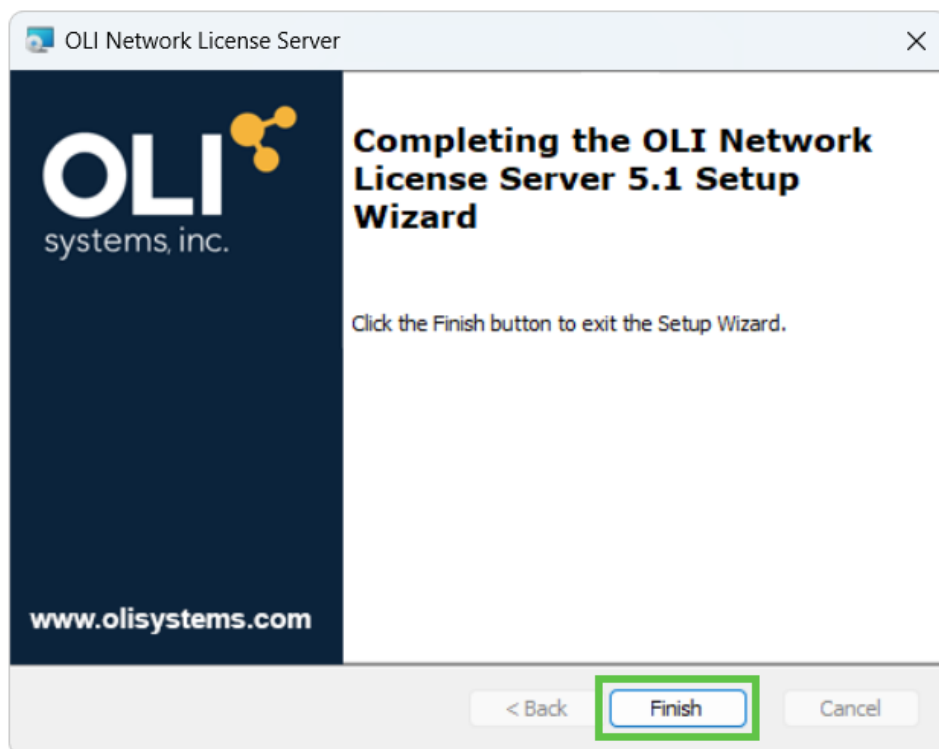
Under Choose Setup Type, select **Typical** and click **Next >**



Then click **Install**.



After the installation is complete, click **Finish**.

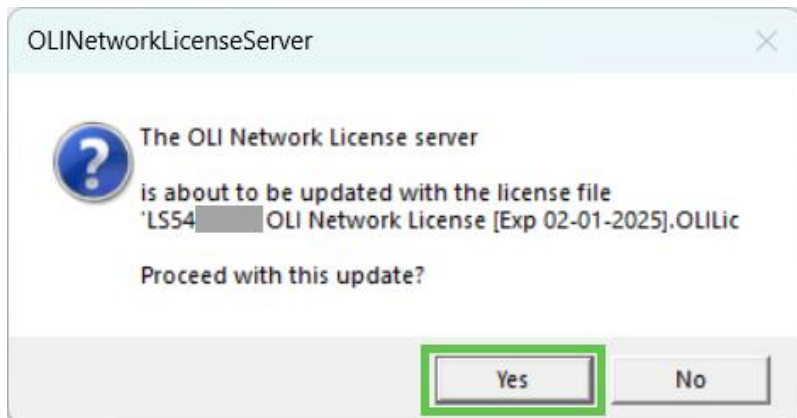


Make sure to restart your computer after installation.

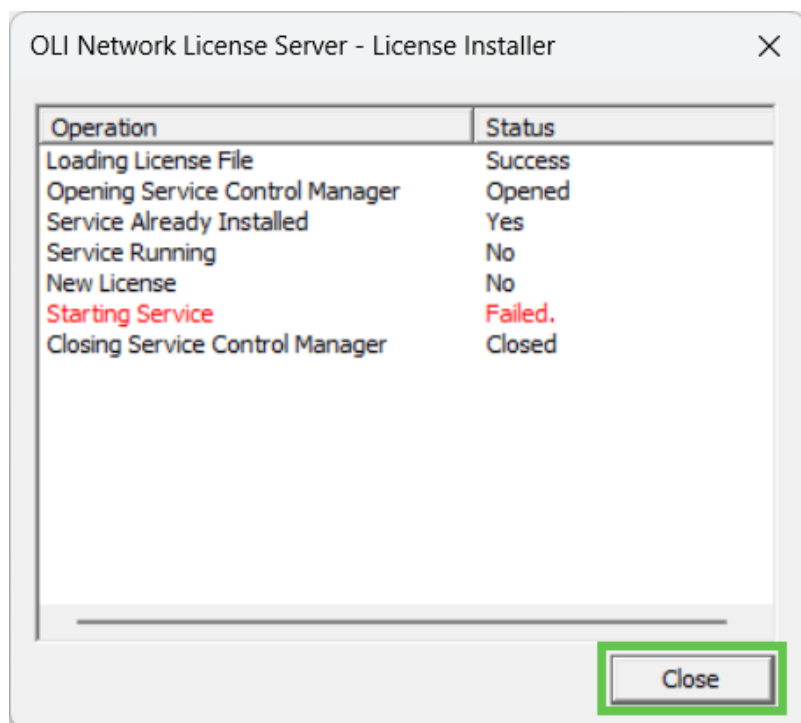
Load OLI Network License File

Locate the *.OLILic license file containing the Server and Client serial numbers referenced earlier. This time, instead of opening in a text editor, double-click the file to open it with OLI.

As seen in the image below, you will be asked to proceed with the license update. Click "**Yes**."



You will see an error showing that the server has failed to start. Please close this window and proceed.

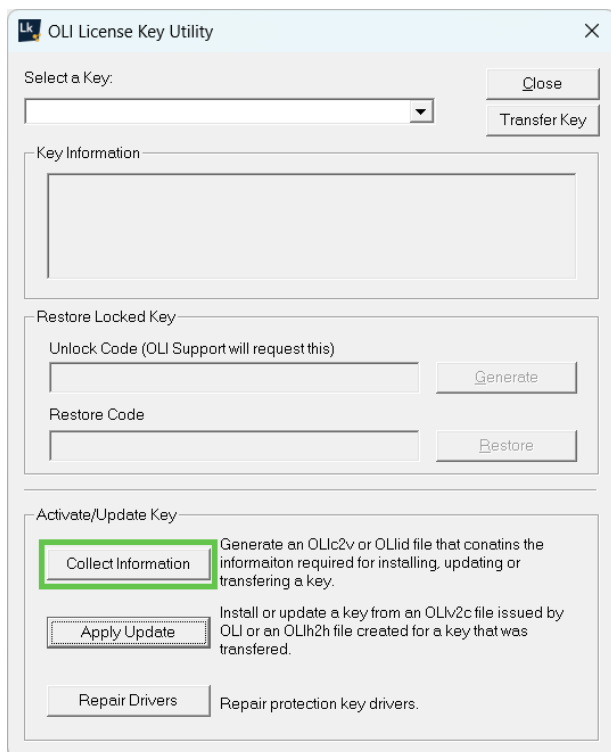


Generate Softkey Data

OLI Software is protected using a digital softkey, which you can think of as a unique password stored in a file.

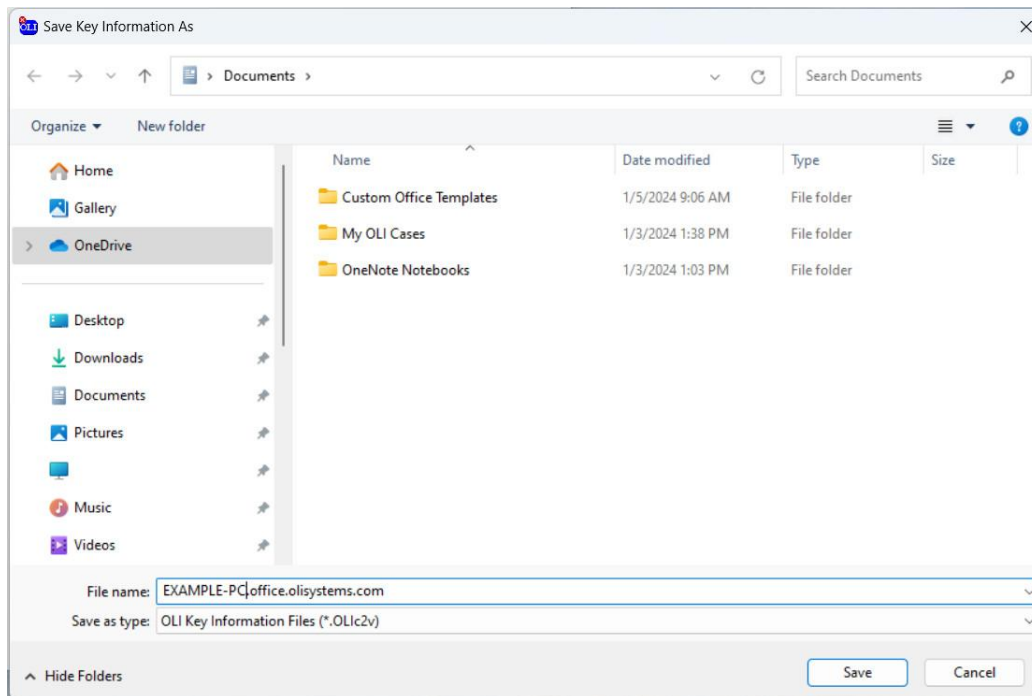
In the following steps, you will generate your softkey data which is stored in an OLI *.**c2v** (*client to vendor*) file that will be automatically sent to OLI. We will process the data and send back your activated softkey file in an email (*.**OLlv2c** or "*vendor to client*"). During weekdays, this is usually done within 24 hours.

Once the OLI Network License Server has been installed, open the **OLI License Key Utility** application.

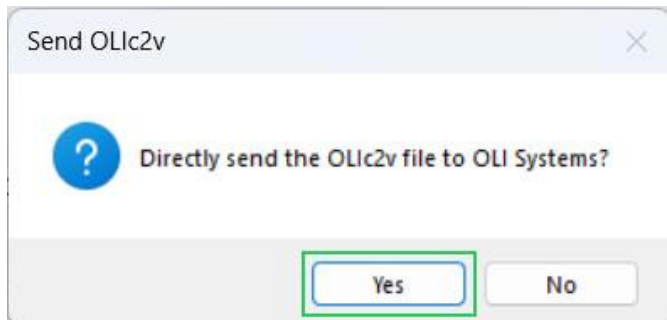


Then, click the **"Collect Information"** button.

This generates your softkey data and then prompts you to choose a location to save the output *.OLIc2v file.



As soon as you press Save, a dialogue box will appear that says, "Directly send the OLIC2v file to OLI Systems?" Click **Yes**.



In the proceeding window, please enter your contact information and click "**Submit**."

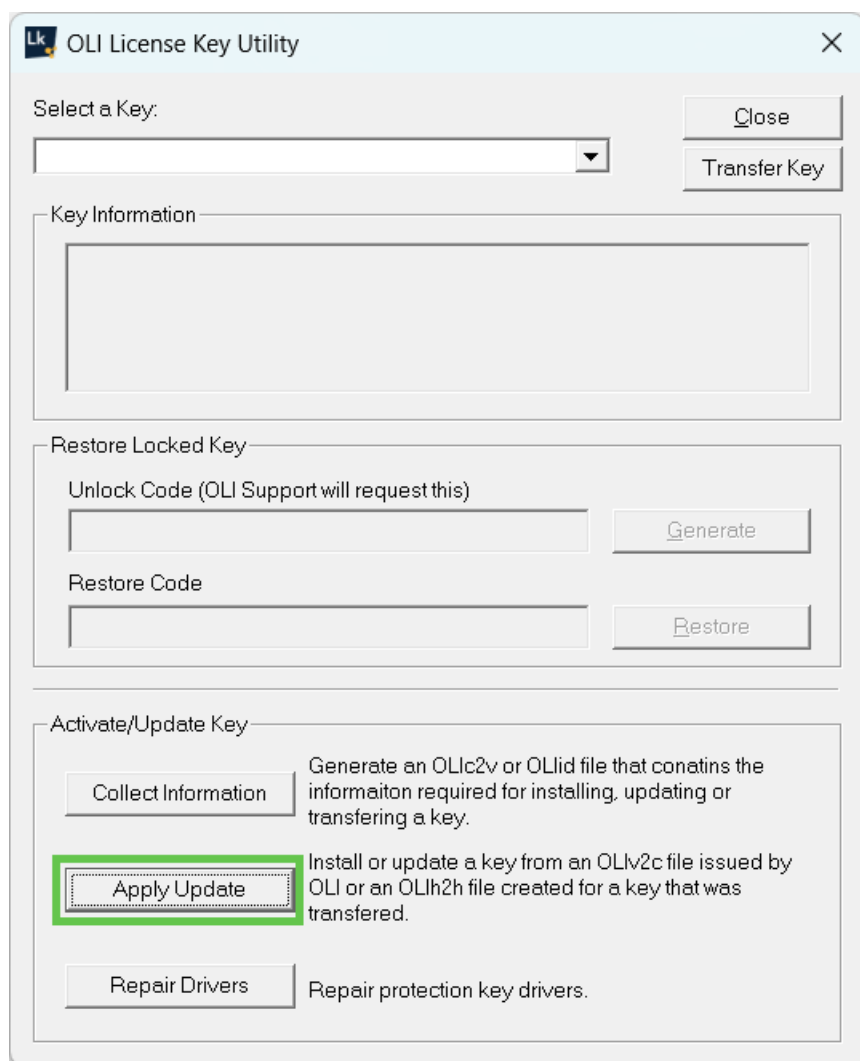
A form titled "Submit OLIC2V File" with a close button (X) in the top right corner. The form contains the following text: "Submit OLIC2V file to generate a softkey. OLI will send an email to the address provided. The email will contain an attachment (OLIV2C file). Double click on this file on this machine to install the softkey." Below this text are several input fields: "Name" with the placeholder "Your Name", "Email address" with the placeholder "your.email@company.com", "Phone Number" with the placeholder "111-111-1111", and "Company Name" with the placeholder "Your Company". There is also a "Comments" section with a text area containing "My .OLIC2v file". At the bottom right of the form, there are two buttons: "Submit" and "Cancel". The "Submit" button is highlighted with a green rectangular border.

Wait for Softkey to Be Sent by OLI

That's all for now on your end! We will process your softkey data and return your activated softkey (*.OLIV2c) file promptly, usually within 24 hours.

Activate Softkey

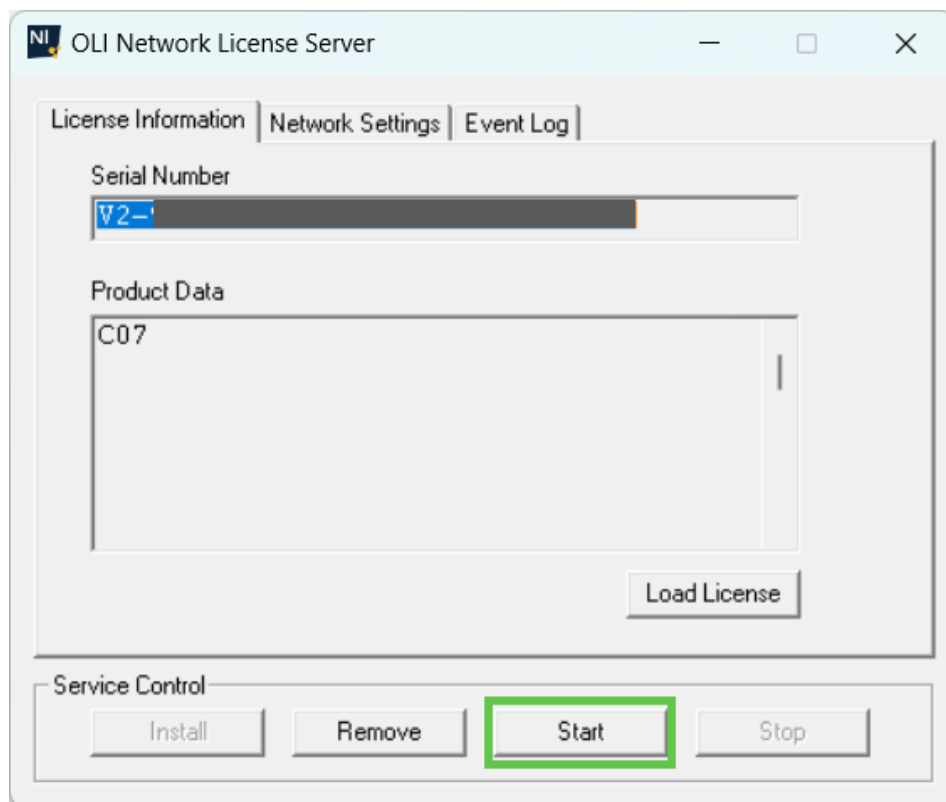
Once you receive your .OLIV2c file from OLI, save it to a memorable location. Open the **OLI License Key Utility** application again. This time, click "**Apply Update**" and select the *.OLIV2c file you recently saved.



If successful, you will see a dialog box that says, "The protection key was installed/updated successfully."

Launch OLI Network License Server

Finally, open the **OLI Network License Server** application and under "Service Control" click **"Start."**



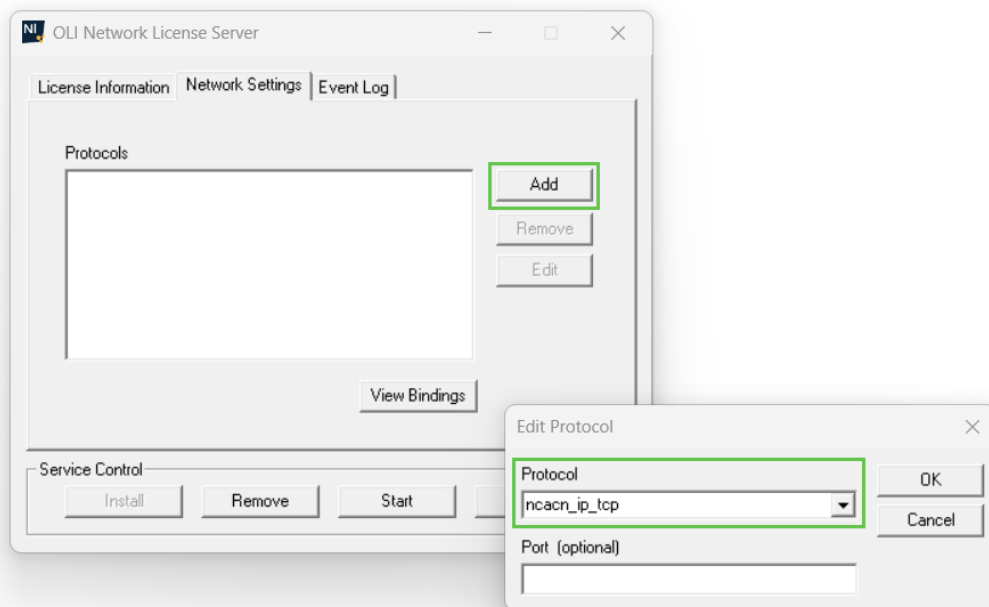
At this point, you have successfully installed the OLI Network License Server.

Configuring the License Server

Network Settings

In the OLI Network License Server application, you must configure the network protocols that the server will use to listen for requests.

First, stop the server by clicking **“Stop.”** Select the *“Network Settings”* tab and click on the **“Add”** button. Using the *“Protocol”* dropdown menu, select **ncacn_ip_tcp**. If you would like to assign a specific port, enter an open port address (e.g. 25000).



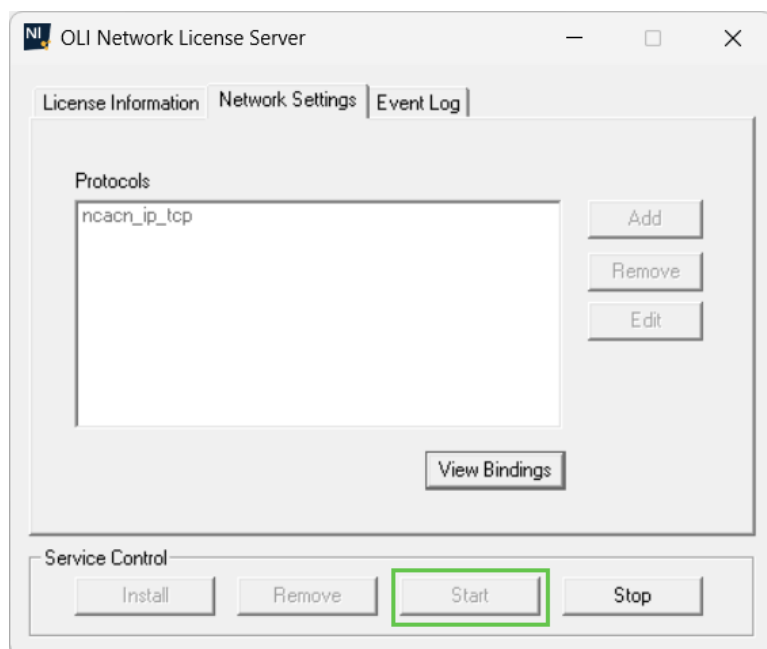
A port **WILL NOT** be assigned automatically, and ANY open port address is valid. Click **‘OK’** to save your choice and return to the main view.

If you would like to use more than one communication protocol, simply click on **‘Add’** to select and configure another.

NOTE: YOU MUST ADD A PORT IF YOU ARE USING A FIREWALL, INCLUDING WINDOWS DEFENDER FIREWALL.

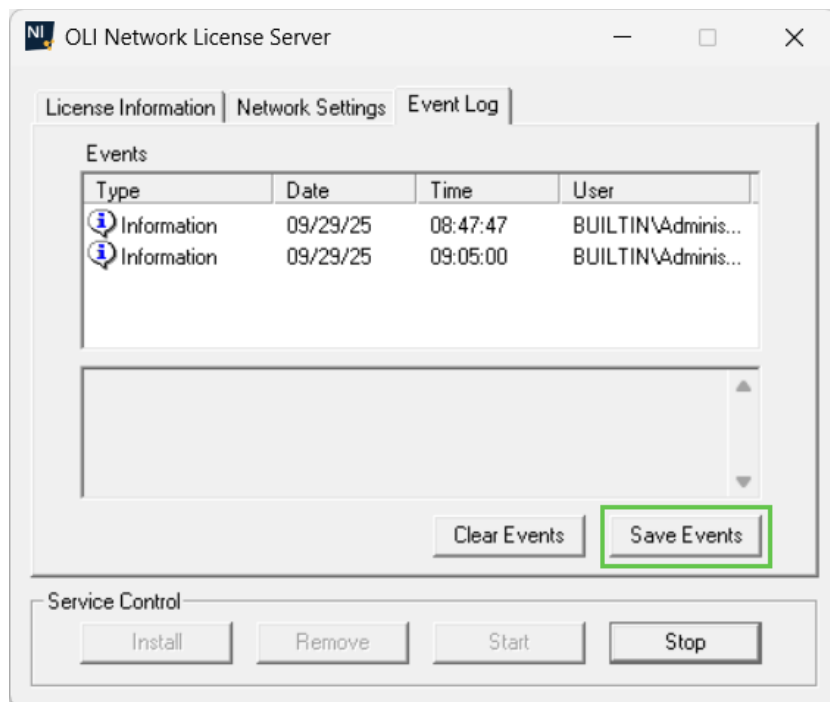
We have a guide for opening a port in Windows Defender Firewall on the OLI Support Center. Here’s a link to the article: [OLI Network License Server – Opening a Port in Windows Defender Firewall](#).

Finally, the server with the protocol configuration(s) by clicking **“Start.”**



If the service starts successfully, the **Start** button will be grayed out and the **Stop** button will become active. If the service fails to start, an error message will be displayed.

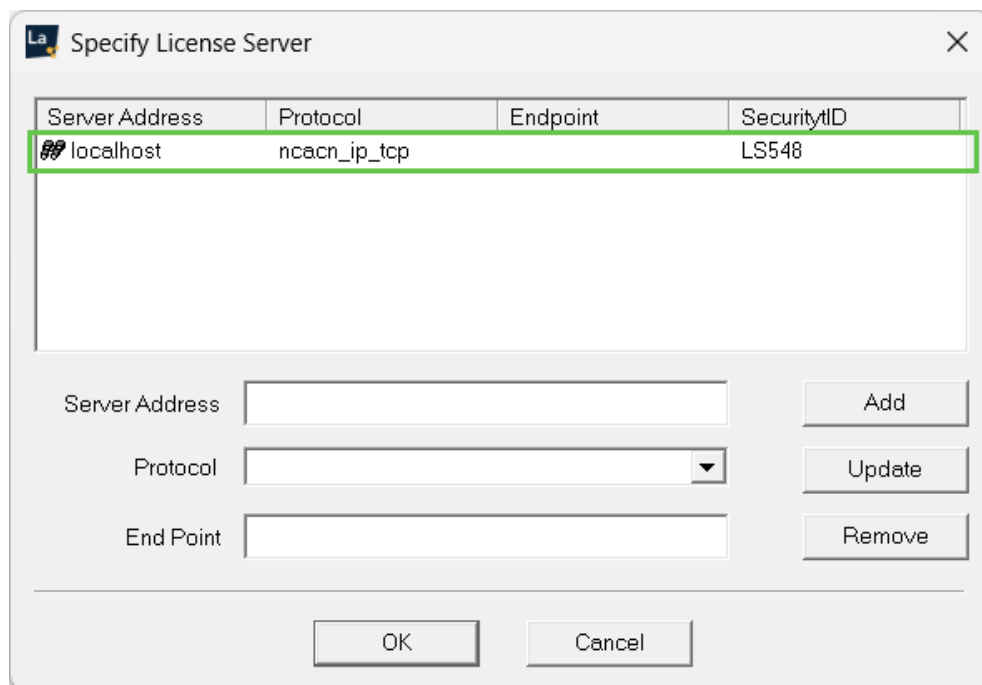
For detailed diagnostics, open the **Event Log** tab to review information and error messages. These entries can help identify issues that may prevent the service from installing or starting. You can export the events to a text log file by clicking **“Save Events.”**



If the server still does not start, confirm that the selected protocols align with your Windows configuration. If everything appears correct and the issue persists, please submit a ticket to the **OLI Support Center** for further assistance.

Administering the License Server

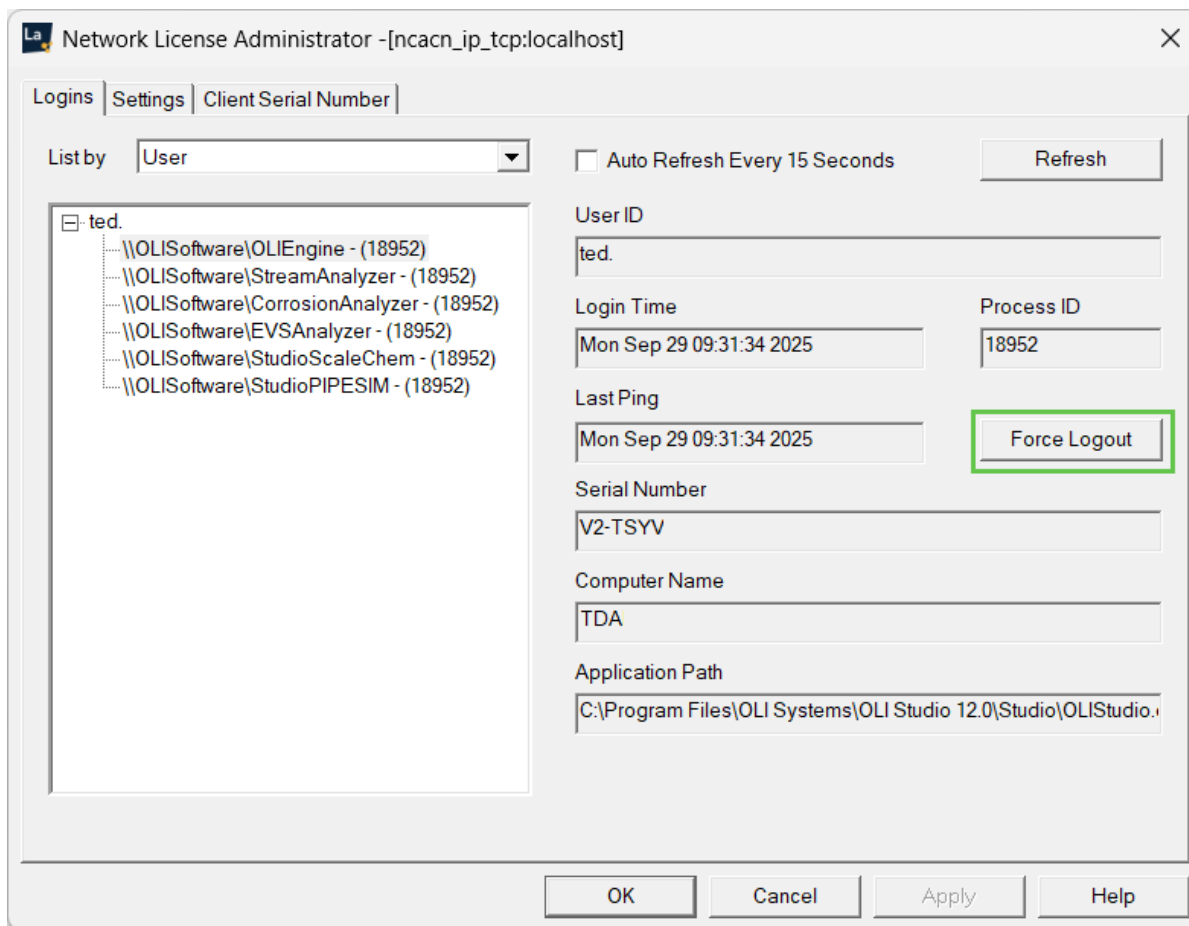
Open the OLI Network License Administrator [Version] application. If your server is not added, click the “Add” button.



Double-click on the server address line to see the details about your server.

Logins

Under Logins, you will find a list of users who are actively using the software while connected to your OLI Network License Server.



Details include the user's ID, the application's Windows Process ID, what products they have open, the time they started the session, the last time the machine pinged the server, the Client Serial Number they're using, their computer name, and the application path.

You can forcibly remove the user from their active session by clicking "**Force Logout.**"

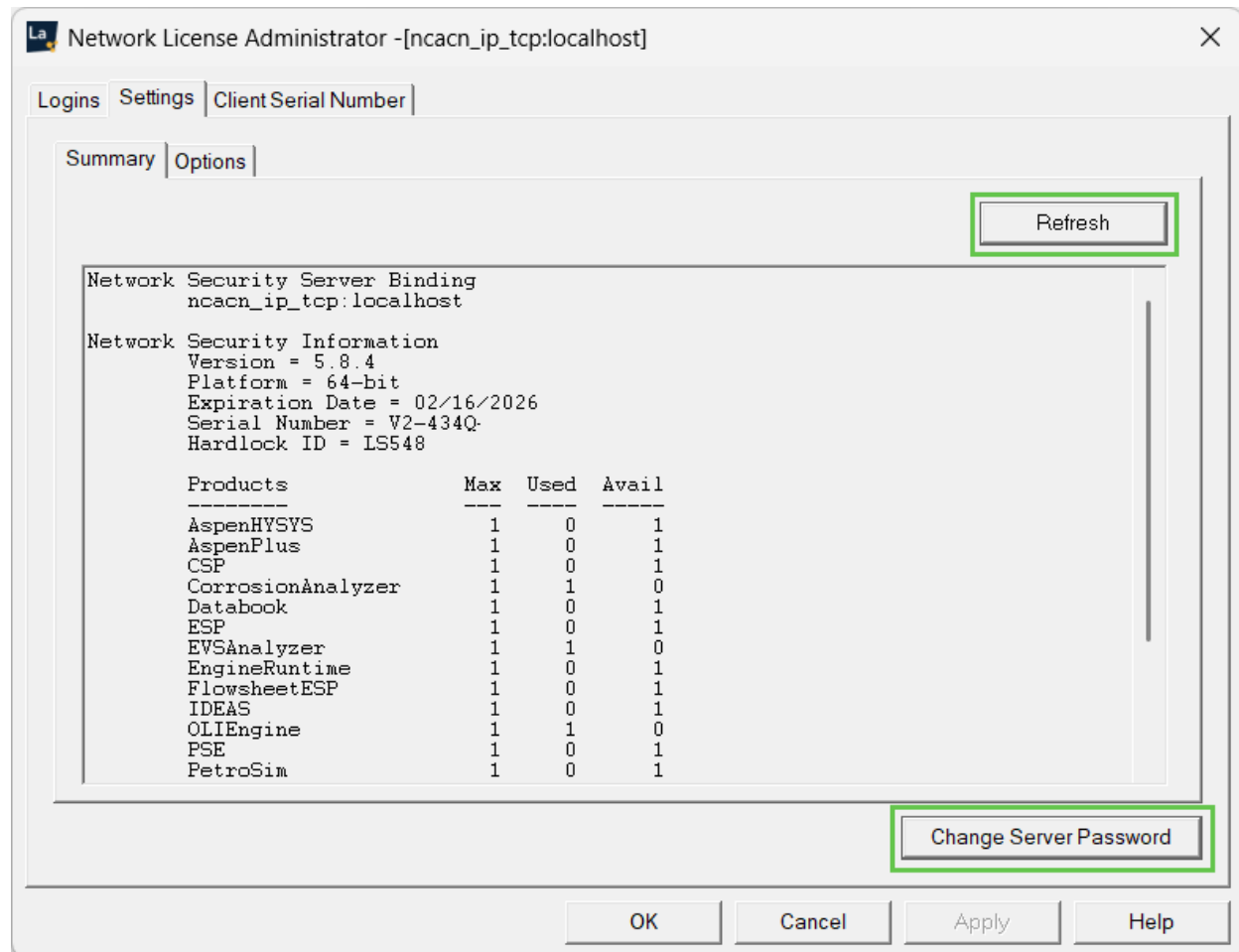
Settings

Under Settings, you'll see two more tabs: Summary and Options.

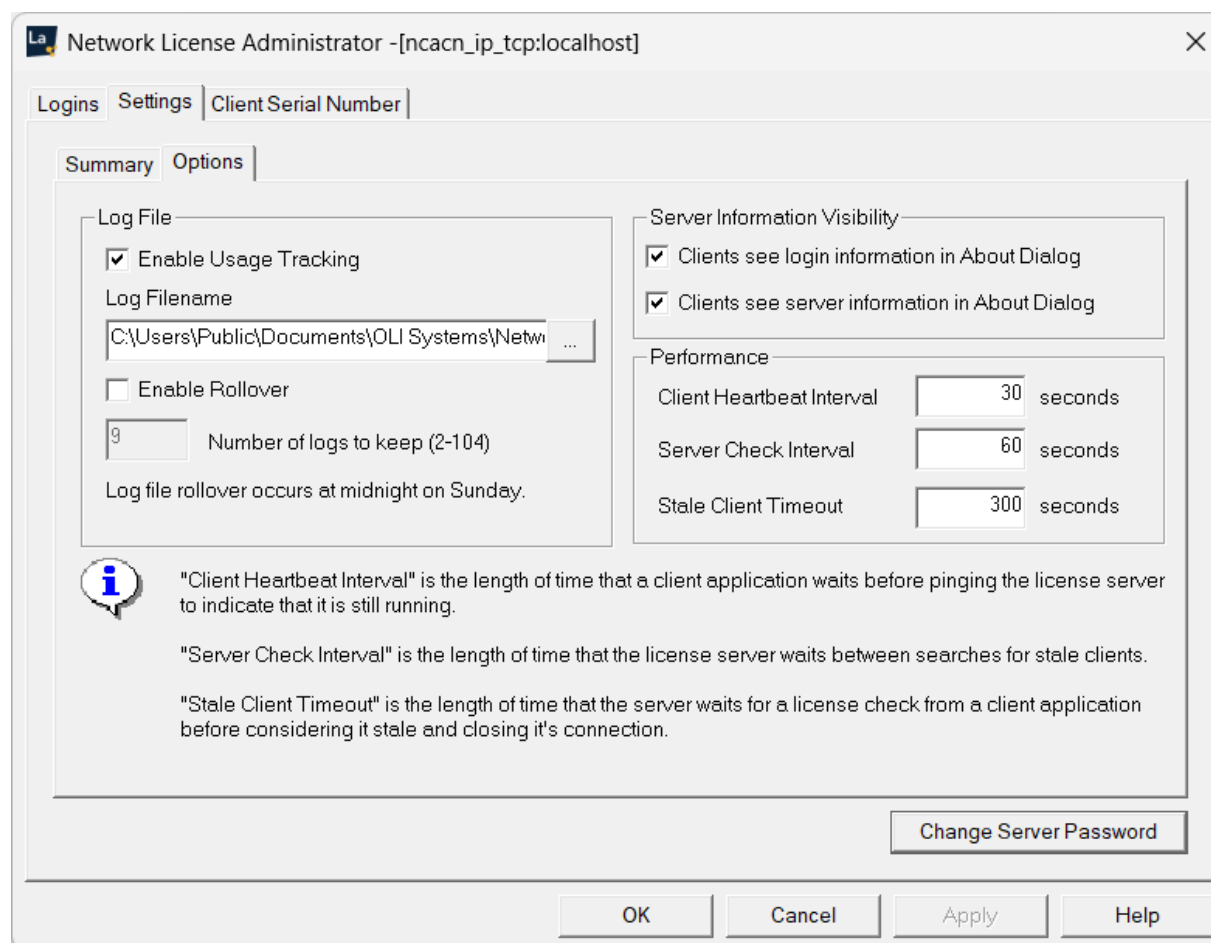
Summary

This tab will show you an overview of your server's activity; the total number of seats purchased for each product, the number of seats occupied, and the number of seats available. You can refresh this information by clicking "**Refresh**."

You can set a password to access this server's Network License Administrator settings by clicking on the "**Change Server Password**" button. When doing so, any administrator will have to enter a password after double-clicking on the server's name in the first "*Specify License Server*" window.



Options



This tab presents a series of useful options for server administrators. List of options includes:

Log File

- Activity logging is enabled by default. You can disable this by unchecking the “Enable Usage Tracking” text box.
- You can designate a location and set a unique filename for each log by clicking the ellipsis under “Log Filename.”
- You can enable log rollovers to delete logs after a certain number of weeks. This feature is disabled by default. You can enable it by checking the “Enable Rollover” button. You can also specify the number of weeks to keep. By default, 9 weeks of logs are stored at a time.

Server Information Visibility

Each OLI product has an “About Dialog,” which shows license information and allows users to update their serial numbers and set the necessary IP address and/or port number in order to connect to the Network License Server.

- Checking “**Clients see login information in About Dialog**” will allow clients to see a list of everyone currently using the software via this server.
- Checking “**Clients see server information in About Dialog**” will allow clients to see the information in the previously shown “*Summary*” tab in the About Dialog.

Performance

As shown in the application:

- “**Client Heartbeat Interval**” is the length of time that a client application waits before pinging the license server to indicate that it’s still running.
- “**Server Check Interval**” is the length of time that the license server waits between searches for stale clients.
- “**Stale Client Timeout**” is the length of time that the server waits for a license check from a client application before considering it stale and closing its connection.

You can change the length of time for each of these options in their corresponding text boxes.

Client Serial Number

You can generate custom Client Serial Numbers to better control what clients can access. In this window, select a product or multiple products and click “Generate” to create a custom serial number to issue to a group or an individual within your organization.

By default, neither the OLI-issued Client Serial Number, nor custom Client Serial Numbers have an expiration date. This eliminates the need for end users to update their serial number every year.

You can apply an expiration date to a Client Serial Number by generating a custom one. Uncheck the “**No Expiration**” checkbox, select from the “**Expiration Date**” dropdown menu, and click “**Generate**.”

NOTE: The “**OLIEngine**” product option must be selected in order for your chosen product(s) to function.

The screenshot shows the 'Client Serial Number' dialog box in the Network License Administrator application. The window title is 'Network License Administrator - [ncacn_ip_tcp:localhost]'. It has three tabs: 'Logins', 'Settings', and 'Client Serial Number'. The 'Client Serial Number' tab is active. On the left, there is a list of products with checkboxes. The following products are checked: '\StreamAnalyzer', '\CorrosionAnalyzer', '\StudioScaleChem', '\EVSAAnalyzer', and '\OLIEngine'. Below the list is a 'Generate' button. On the right, there is an 'Expiration' section with a 'No Expiration' checkbox (unchecked) and an 'Expiration Date' dropdown menu set to '12/31/2025'. Below this is another 'Generate' button. At the bottom right, there is a text box for the 'Client Serial Number' containing the value 'V2-KK3V-1MH7-8WV3-FHP1-KDAY-06LC'. At the bottom of the dialog are 'OK', 'Cancel', 'Apply', and 'Help' buttons. An information icon is present in the bottom left corner of the dialog area.

Use this dialog to create serial numbers that are appropriate for each group or individual.

You can limit access to licensed products by creating a client serial number that enables only those applications required by each group or user.

Also, you can control the expiration date for each group or user.