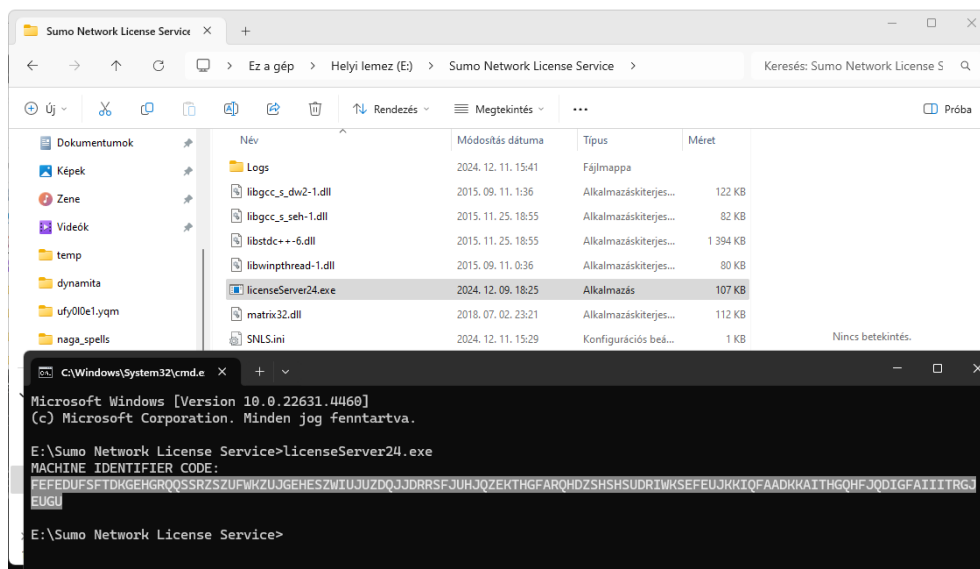# SUMO Network License Service 24.0

The SUMO Network License Service (SNLS) provides licenses to the allowed number of client machines running the SUMO application. For it to function, the firewall of the company must allow communication between the computers running SUMO and the SNLS. This usually means LAN access or limited internet access for both SUMO and SNLS (licenseServer24.exe).

Before you install the SUMO Network License Service 24.0, please make sure that all prior versions are uninstalled properly.
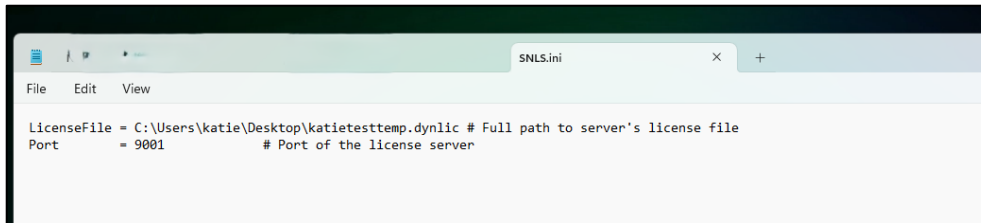
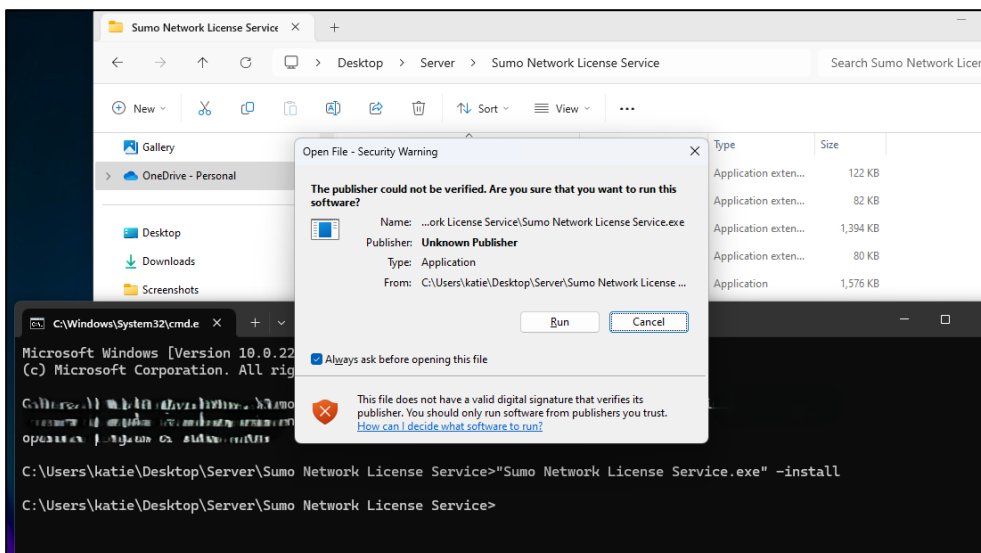The SUMO Network License Service requires .NET 4.8. This should be part of Windows since Windows 8. If you don't have it, you can download it from Microsoft's page: https://dotnet.microsoft.com/en-us/download/dotnet-framework/net48

How to install

1. Download the package from https://dynamita.com/license-service.html. Unpack the content of the "SUMO Network License Service.zip" to a folder that is accessible without admin rights (avoid putting it in Program Files). Under normal circumstances SNLS does not use elevated rights.

2. Open Command Prompt and run LicenseServer24.exe. This is where you will find your SNLS Machine Identifier Code (MIC). You need to email this server MIC to support@dynamita.com or to your Dynamita contact in order to get a license. Please note, that licenses are tied to the computer, therefore running SNLS in a virtual environment is not advised.

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3. Once you get your license, open SNLS.ini in Notepad or another text editor tool and put the license file path and name in the indicated field. The default port in the .ini file is 9001, but it can be changed if you wish. Even with multiple installs and ports, you can run only one instance of the license server. This includes older versions. The new server replaces the old one.

4. You can install & start the server by running the following command from the Command Prompt:
`"SUMO Network License Service.exe" -install`
This will give you no feedback directly, but you will find "SUMO Network License Service" as a running service in the Task Manager.

5. You can monitor your current Server Activities by running SNLSLogReader.exe (you can also read the log files manually from the Logs folder). Closing the log reader will not close the server.

How to connect SUMO to SNLS

Each user is to download SUMO on their computer from https://dynamita.com/. When SUMO asks users for the license, choose 'Apply existing license' -> 'Select License Server', then both the IPv4 address and port of the SNLS must be provided. The username is mostly optional, it is there only for logging purposes. Two different usernames from the same computer (same MIC) at the same time are not accepted.

Note on Security

Currently, the SNLS does not provide any security measures. The use of VPN or IP filtering on the firewall is suggested, to prevent unauthorized people from connecting the server.

How to uninstall SNLS

If you wish to uninstall the service, you can do so by opening Command Prompt and running `"SUMO Network License Service.exe" -uninstall`