

## Start Network License Manager

To start MATLAB® software on a client computer, the network license manager must be running on the server. If you configured your operating system to start the network license manager when the computer starts up, the easiest way to start the network license manager is to restart the computer on which you installed the license manager.

There are several other ways to start the license manager, depending on your platform. This topic describes these methods.

### Note

The user name associated with the network license manager process should be a user that is defined locally on the computer, not defined on a network. The license manager starts up properly only if the user name can be found during the startup process on the computer, before network users are available.

### Caution

Follow these recommendations when using the network license manager:

- Do not expose `lmgrd` or `mlm` to the Internet or an untrusted network.
- Start `lmgrd` with the options `-2 -p local` so that local administrator access is required to run `lmdown`.

## Windows Systems

You can start the network license manager on Windows computers using any of the following methods:

- Use the Windows Services control panel to start or stop the network license manager, if you chose to configure it as a service during installation. On the Windows **Start** menu, select **Settings > Control Panel > Administrative Tools > Services**.
- Use the license management utility, `lmtools.exe`, included in your MATLAB installation in the `matlabroot\etc\ARCH` folder, where `ARCH` is a platform-specific subfolder. Start the `lmtools.exe` application and select the **Start/Stop/Reread** tab.

## Linux and macOS Systems

To start the network license manager daemons on a Linux or macOS computer, execute the `lmstart` script (located in the `matlabroot/etc` folder), where `matlabroot` represents the name of your top-level MATLAB installation folder. The `lmstart` script stops any currently running daemons and starts new ones.

To run `lmstart` on a macOS computer, open a terminal window using the Terminal application (found in `/Applications/Utilities`) and navigate to the `/etc` folder in your MATLAB installation folder:

```
cd /Applications/MATLAB_R2021b.app/etc
```

### Caution

A user other than root should run the `lmstart` script because it is a security risk to run any program as root that does not require root permissions. The network license manager (`lmgrd`) does not require root permissions.

If you must start the license manager as root, use the `su` command to start `lmgrd` as a nonprivileged user, where `username` is a nonprivileged user.

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```
su username -c "lmgrd -c license_file -l /var/tmp/LM_TMW.log"
```

## Configure Network License Manager to Start Automatically on Linux Systems

To configure the network license manager to start automatically at boot time on Linux<sup>®</sup> computers, use the standard method for starting services automatically on your Linux distribution.

Start the network license manager service with the `-u username` option, where *username* represents a valid user name other than root.



### Caution

For security reasons, superuser cannot be an owner of the license manager daemons.

Make sure that the network license manager starts at the very end of the system boot sequence. For the license manager to start correctly, the network must already be running. Use whatever mechanism your version of Linux provides to configure the boot sequence.

## Related Topics

- [Monitor Network License Manager](#)



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