

Installing or Upgrading the FEMAP License Server

This document is designed as Quick Start for installing a FEMAP license server for the first time, or, if you are already hosting a FEMAP floating network license, upgrading to the latest FLEXlm. This document is for floating FEMAP licensing only. For additional details on FEMAP licensing, please see *Installation and Configuration Guide.pdf* in the /pdf directory of the FEMAP v2019.1 installation media, or the /pdf directory installed under FEMAP, and the *LicenseAdministration.pdf* /network directory in the same locations.

For security purposes please follow the principle of least privilege (POLP) for configuration options, logs, and license files. For these files use a folder within the “C:\ProgramData” directory such as:

C:\ProgramData\FLEXlm\lmgrd

...or another custom directory with appropriate privileges.

We highly recommend running the license server with a user other than root, since processes started by root can introduce security risks. The best practice would be to create a user and group with proper security, then use that user for running the license server.

If you're upgrading – stop the old license service, replace the licensing files, and start a new license service. Usually an upgrade only involves a new license file. FEMAP v2019.1 however requires a newer version of FLEXlm than used before, hence, new FLEXlm files must also be used.

Note: If the existing FlexNet license service is running as “Local System”, delete it and recreate using the license manager binaries shipped with Femap 2019

If this is the first time, copy the license files and start a new license service.

License Server Running Windows

Stopping the Current FEMAP License Service (Upgrade Only)

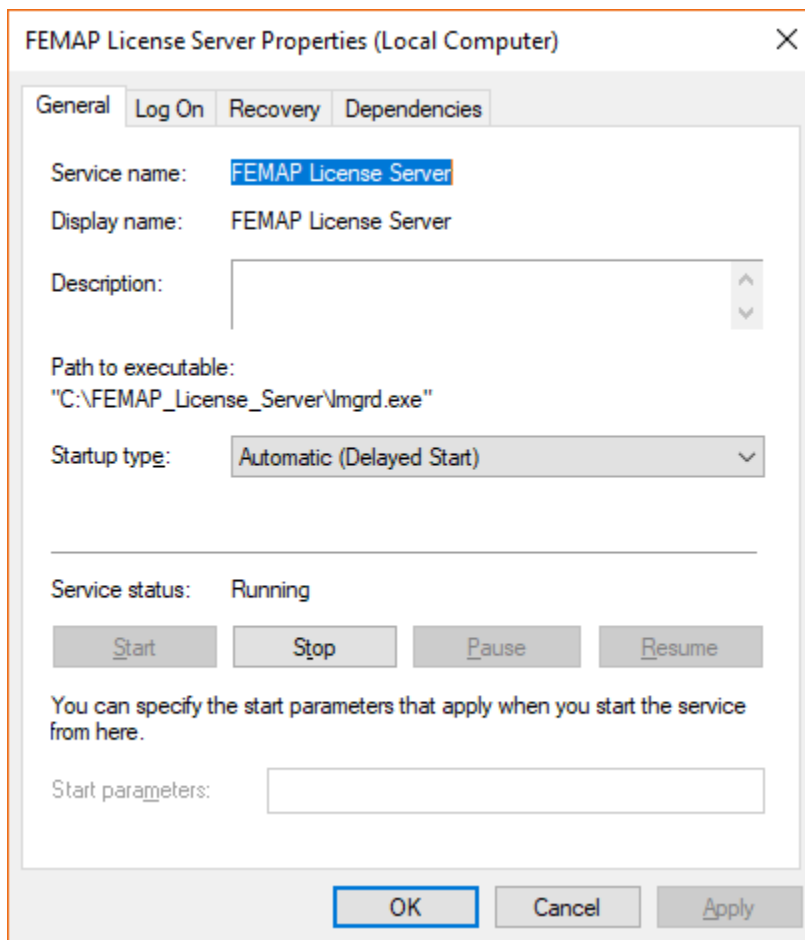
- Make sure all FEMAP users have exited FEMAP and their licenses are checked in.
- Stop the current FEMAP License Service, Launch the Services Manager by typing services.msc in the Windows Start Menu Run/Search Field

Best match



Find the FEMAP FLEXlm Service, and stop it –

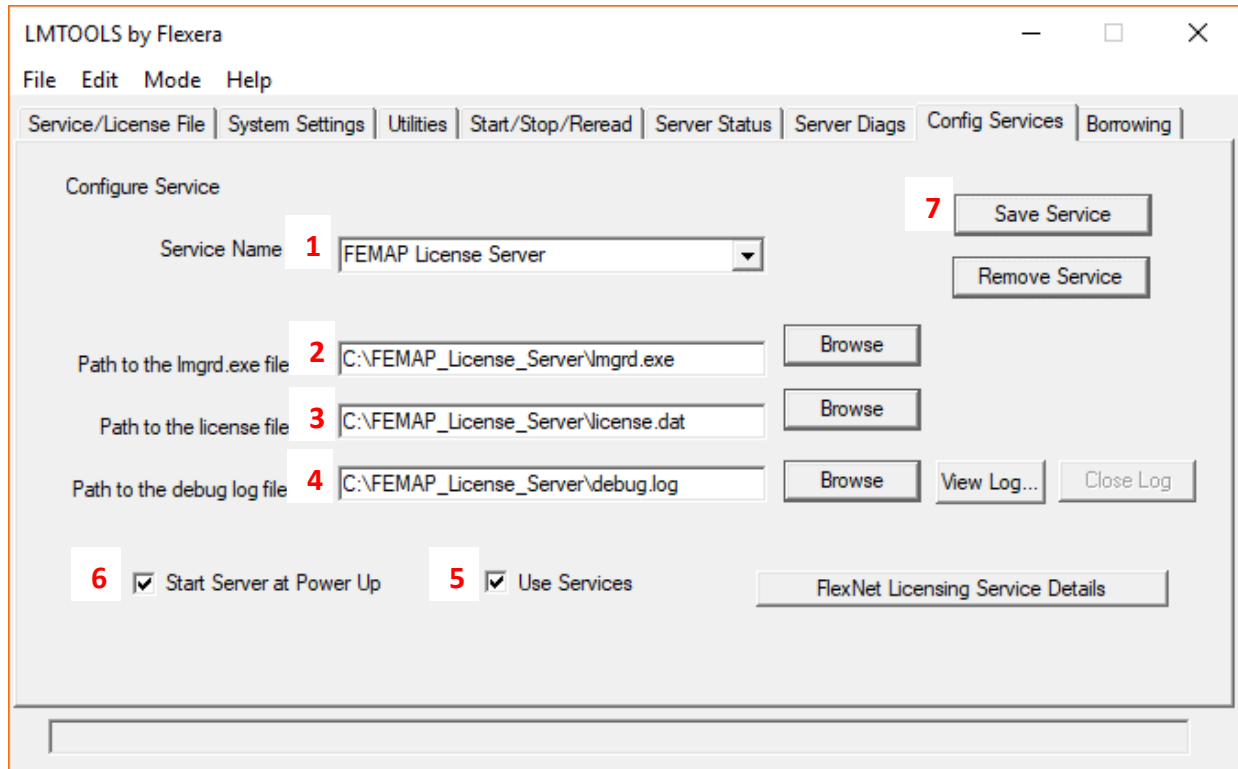
Encrypting File System (EFS)	Provides th...	Running	Manual (Trig...	Local System...
Energy Server Service queen...	Intel(r) Ener...	Running	Automatic (D...	Local System...
Enterprise App Managemen...	Enables ent...		Manual	Local System...
ESIF Upper Framework Servi...	ESIF Upper ...	Running	Automatic	Local System...
Extensible Authentication P...	The Extensi...	Running	Manual	Local System...
Fax	Enables you...		Manual	Network S...
FEMAP License Server		Running	Automatic (D...	Local Service
File History Service	Protects use...		Manual (Trig...	Local System...
ForeScout Remote Inspecti...			Automatic	Local System...
ForeScout SecureConnector...		Running	Automatic	Local System...
Function Discovery Provide...	The FDPHO...		Manual	Local Service



Installing and Configuring a FEMAP License Service (Both Upgrade and New License Server)

- Install the new license server components
Copy the contents of the /network/win64 directory to a directory of your choosing on the license server. Copy your new FEMAP v2019.1 license file to this same directory. Please make sure that the word "HOSTNAME" has been replaced with the name of your license server, and that the Ethernet Address in the license file matches your machine.

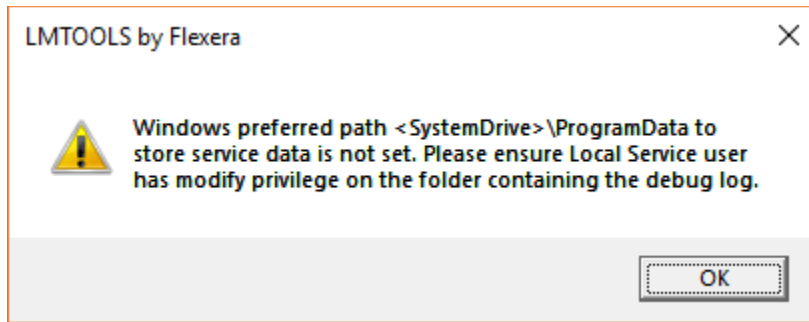
Run the LMTOOLS in this directory with Administrator Privileges. (Right Click LMTOOLS.EXE and choose the “Run As Administrator” option). Go to the “Config Services” tab and set up a new FEMAP License service -



Make sure you follow the 7 steps shown above.

1. Type a descriptive name for the Service Name (for example, FEMAP License Server)
2. Use the Browse button and point to the new lmgrd.exe file
3. Use the Browse button and point to the your FEMAP v2019.1 license file
4. Use the Browse button and create a new file to log the FEMAP license server activity, this will help if there are any problems downstream
5. Check the Use Services Option
6. Check the Start Server at Power Up
7. Save this new License service

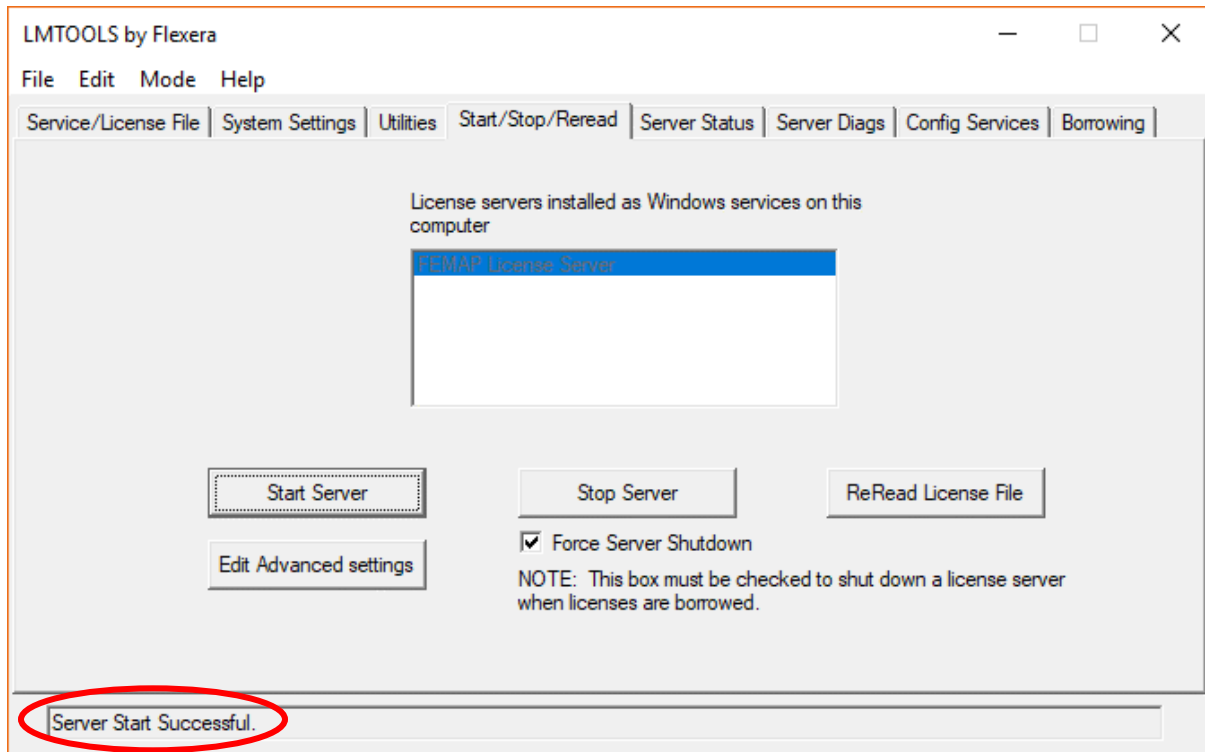
If you see this message –



It really doesn't matter, click "OK".

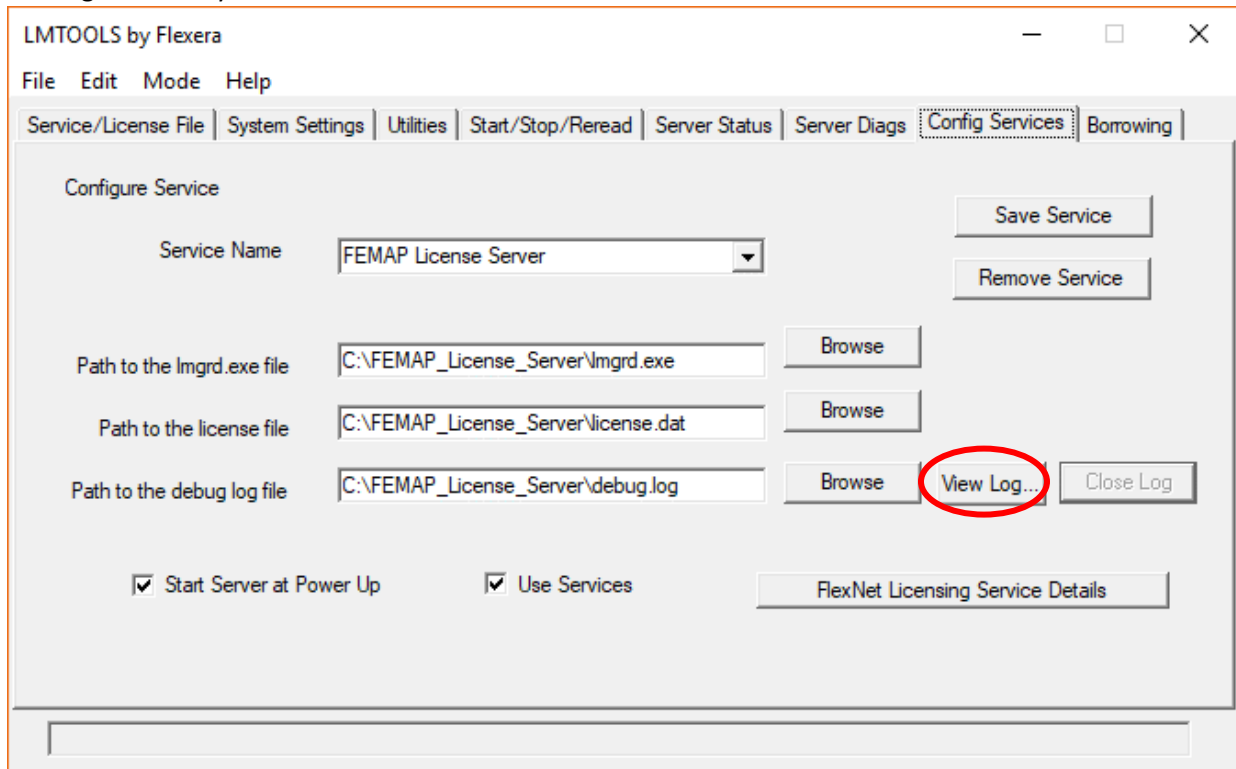
Start the New License Service

Switch to the "Start/Stop/Read" Tab, and Start the new FEMAP License Service – you should see a "Server Start Successful" message on the License Service is running.



Unrestricted

As a final check, go back to the “Config Services” tab again, and press the “View Log...” button and check the Log file for any errors.



License Server Running Linux

Stopping the Current FEMAP License Service on Linux (Upgrade Only)

Determine process id (pid) for lmgrd that is serving femap using:

```
$ ps -elf | grep lmgrd
```

from process list displayed, get pid for lmgrd command line containing the Femap license file

As root issue:

```
$ kill pid
```

Confirm by repeating these steps.

Starting a New FEMAP License Service on Linux (Both Upgrade and New License Server)

Create a new directory and copy the files from /network/lsb_64 found in the FEMAP v2019.1 Installation Media. Also, copy your new FEMAP v2019.1 license file to the same directory. Make sure you have Read/Write/Execute privileges for these files.

```
$ ./lmgrd -c new_license_file_with_path -l +new_debug_log_with_path
```

Confirm server is running using either:

```
$ ./lmutil lmstat
```

```
$ ps -elf | grep lmgrd
```

Unrestricted