



Linux License Server Installation

FlexNet 11.19.6

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1 Installing license service files

1) Either:

- Copy the “[CADfix]/lic” folder from a full CADfix installation onto the ‘server install location’.
- Download and decompress the license server file package (www.cadfix.eu/14LIC/).

2) If required, move and/or rename the decompressed folder.

3) Check the “[Server install location]/lic” folder contains these four files:

```
lmtools.exe  lmutil.exe
lmgrd.exe   itiohio.exe
```

4) Copy your license file (cadfix.dat) into the ‘server install location’.

If it is supplied using a different name, rename it to ‘cadfix.dat’.

5) Check you have the correct files available to start the license service.

```
ls -l
-rwxr--r-- 1 abc abc      3309 Feb 20 14:10 cadfix.dat
-rwxr--r-- 1 abc abc    1952624 Feb 27 11:45 itiohio
-rwxr--r-- 1 abc abc    1534904 Feb 27 11:45 lmgrd
-rwxr--r-- 1 abc abc    1526552 Feb 27 11:45 lmutil
```

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2 Starting license service

- 1) Run `lmgrd` to install a licensing daemon.

```
lmgrd -c cadfix.dat -l cadfix.log
```

cadfix.dat = the CADfix license file supplied by CADfix support.

cadfix.log = the license log file automatically generated by the license server. This can be named differently if required.

This command will:

- Create the license daemons 'lmgrd' and 'itiohio'.
 - The daemons will reference the license file provided in this command. If the license file is in another location, then the license file should be qualified with a path.
 - The lmgrd daemon will use a default port number or use the one (optionally) defined in the license file.
 - The itiohio daemon will use a random port number each time it starts or use the port number (optionally) defined in the license file.
 - A log file will be generated using the name provided. A different name can be used if required. This log file will contain information about all the transitions carried out by the license daemons and is essential for support.
- 2) To interact further with the license daemon (validating/stopping/etc), you must identify the computer name and port number used for the lmgrd daemon. This information can be found in the log file generated when the license daemon was started. - See section [Recording license server information](#) for gathering this information from your cadfix.log file.

3 Checking the license server status

- 1) Navigate to the CADfix license server folder.
- 2) Run the `lmutil lmstat` command. This will require your installation's specific values that match your license service. These values are shown in the license server's log file (cadfix.log)

```
lmutil lmstat -c [lmgrd port]@[server name]
```

Example:

```
lmutil lmstat -c 32728@MYLICSRV01

lmutil - Copyright (c) 1989-2024 Flexera. All Rights Reserved.
Flexible License Manager status on Fri 2/27/2026 12:13

License server status: 32728@MYLICSRV01
  License file(s) on axis: /home/.../cadfix_licence/cadfix.dat:

  MYLICSRV01: license server UP (MASTER) v11.19.6

Vendor daemon status (on MYLICSRV01):

  itiohio: UP v11.19.6
```

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4 Check port access to license services

- 1) The cadfix.log file should now contain a log of the license server activities. Open in a text editor and record the two port numbers shown below. - To change these values, set them in the licence file.

cadfix.log (showing ports selected)

```
...
...
17:10:54 (lmgrd) lmgrd tcp-port 32728
...
...
17:10:54 (lmgrd) itiohio using TCP-port 32729
...
```

cadfix.dat (ports are set in the license file)

```
...
SERVER MYLICSRV01 00035AA521099 32728
VENDOR itiohio Port=32729
...
```

- 2) Configure the Firewall software on the license server to allow inbound and outbound TCP communications through these two ports. If these ports are not open, communication errors will occur between the CADfix client workstations and the license services.

5 Stopping the license server

If it is necessary to stop the license server, follow the following steps.

- 1) Navigate to the CADfix license server folder.
- 2) Run the lmutil lmdown command. This will require your installation's specific values that match your license service. These values are shown in the license server's log file (cadfix.log)

```
lmutil lmdown -c [lmgrd port]@[server name]
```

Example:

```
lmutil lmdown -c 32728@MYLICSRV01

lmutil - Copyright (c) 1989-2024 Flexera. All Rights Reserved.

  Port@Host          Vendors
1) 32728@MYLICSRV01  itiohio
```

You will be asked to confirm you want this license stopping:

```
Are you sure (y/n)? y
  1 FlexNet License Server shut down
```

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