License Server Installation Guide-Linux CADfix 13.0

(DX, CAE, PPS, VIZ, STL)

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1.1. Starting the license server

Before continuing, ensure you have a valid CADfix license file (cadfix.dat)

1) Download the CADfix License Server zipped package.
2) Create a CADfix license server folder.

```
mkdir CADfixLicense
```

3) Unzip the License Server package into the license server folder.

4) Copy your license file into the license server folder.

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

```
ls -l
drwxr-xr-x 2 abc  90     1329 Jun 15  2020 3rd_party/itiohio
drwxr-xr-x 2 abc  90     1144 Jun 15  2020 3rd_party/lmgrd
drwxr-xr-x 2 abc  90     1112 Jun 15  2020 3rd_party/lmutil
drwxr-xr-x 2 abc  90        4 Jun 15  2020 3rd_party/cadfix.dat
```

6) 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.

7) To interact further with the license daemon (validating/stopping/etc), you must identify the computer name and port number use 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.

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1.2. Recording license server information

During the configuration of the CADfix License (Starting the licences server) the license log file was specified (e.g."cadfix.log"). This log file contains the license server's configuration and license activities.

Open the log file with a text editor then find and record the following information:

FLEXnet version number: ....

Server network name or IP address: ....

License file name and path: ....

Lmgrd (license manager daemon) port number: ....

Itiohio (vendor daemon) port number: ....

Itiohio (vendor daemon) version number: ....

Method of linking to license server: ☐ Local license   ☐ Short license   ☐ Environment variable

The following is an extract from a cadfix.log file with this key information highlighted:

```
…
)
10:08:35 (lmgrd) Server's System Date and Time: Mon Jan 09 2023 10:08:35 GMT
10:08:35 (lmgrd) SLOG: Summary LOG statistics is enabled.
10:08:35 (lmgrd) FlexNet Licensing (v11.16.4.0 build 252457 x64_lsb) started on mainland (linux) (1/9/2023)
10:08:35 (lmgrd) Copyright (c) 1988-2019 Flexera. All Rights Reserved.
10:08:35 (lmgrd) World Wide Web:  http://www.flexerasoftware.com
10:08:35 (lmgrd) License file(s): cadfix.dat
10:08:35 (lmgrd) lmgrd tcp-port 32768
10:08:35 (lmgrd) (@lmgrd-SLOG@) ================================================
…
…
10:08:35 (lmgrd) Starting vendor daemons ...
10:08:35 (lmgrd) Starting vendor daemon at port 27001
10:08:35 (lmgrd) Using vendor daemon port 27001 specified in license file
10:08:35 (lmgrd) Started itiohio (internet tcp_port 27001 pid 26804)
10:08:35 (itiohio) FlexNet Licensing version v11.16.4.0 build 252457 x64_lsb
10:08:35 (itiohio) SLOG: Summary LOG statistics is enabled.
…
…
```

Callouts in the extract:
- FlexNET version number → v11.16.4.0
- Server network name or IP address → mainland
- License file name and path (if supplied) → cadfix.dat
- Lmgrd port number → 32768
- Itiohio port number → 27001
- Itiohio version number → v11.16.4.0

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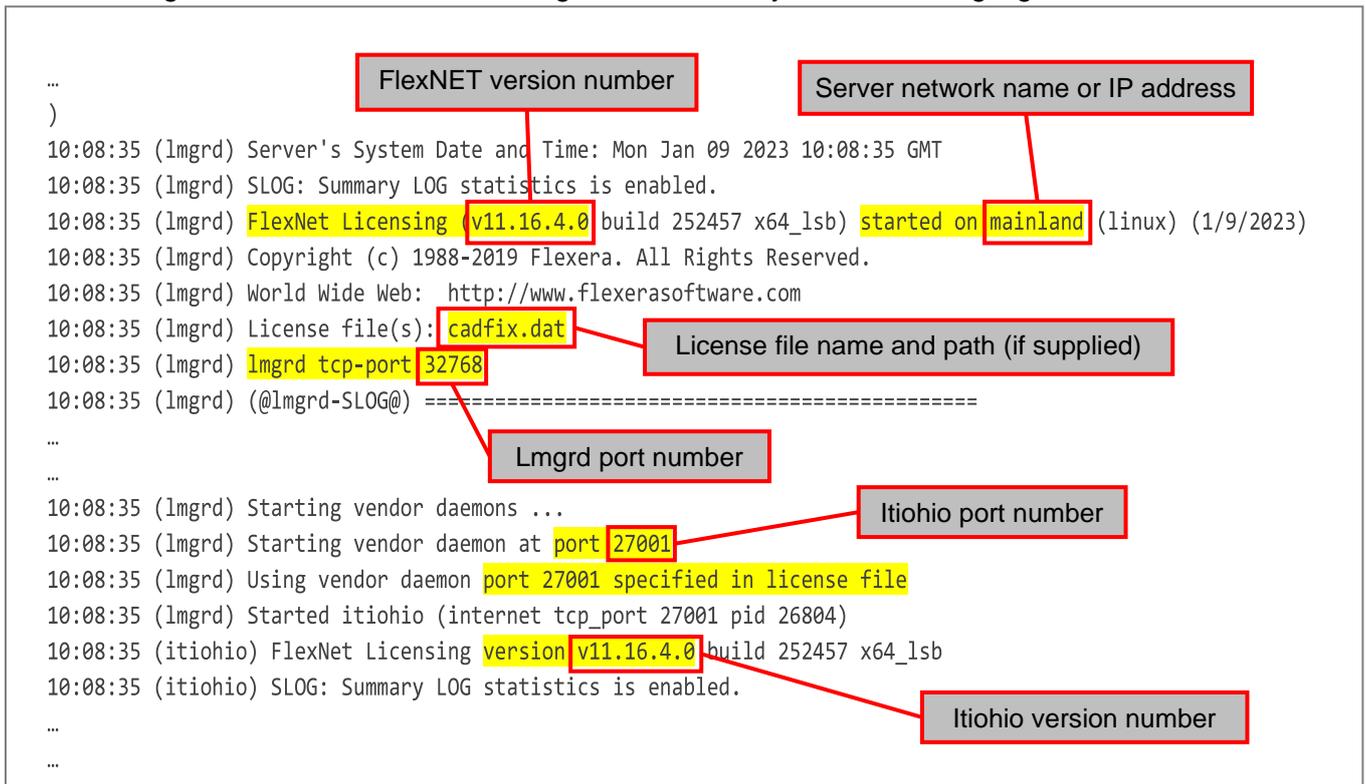
1.3. Checking the license server status

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)

<div align="center">

lmutil lmstat -c [lmgrd port]@[server name]
</div>

Example:

```
lmutil lmstat -c 32768@mainland

lmutil - Copyright (c) 1989-2019 Flexera. All Rights Reserved.
Flexible License Manager status on Mon 1/9/2023 10:47

License server status: 32768@mainland
    License file(s) on dee: /home/abc/cadfix1200sp2/lic/cadfix.dat:

        mainland: license server UP (MASTER) v11.16.4

Vendor daemon status (on mainland):

    itiohio: UP v11.16.4
```

1.4. Stopping the license server

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)

<div align="center">

lmutil lmdown -c [lmgrd port]@[server name]
</div>

Example:

```
lmutil lmdown -c 32768@mainland

lmutil - Copyright (c) 1989-2019 Flexera. All Rights Reserved.

   Port@Host             Vendors
1) 32768@mainland        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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