

FlexNet License Manager*

FlexNet (formerly FLEXlm) is a network license manager used by many software developers to control the use of their software products with a client-server approach. You install a license server on a PC with a dongle and all clients get the licenses from that server simply defining a few system variables.

- [Server installation](#)
- [Client installation](#)

Server Installation

1. Check if your server has one of the following, supported operating systems:

Microsoft® Windows® 2008 R2 Server 64 bit
Microsoft® Windows® 2003 R2 Server 64 bit
Microsoft® Windows® 7 32 and 64 bit

2. Install on a PC (not necessarily the server) **ThinkDesign** in order to get the software required to perform the server installation.
3. Copy the installation directory "C:\Program Files\think3\version number\common\drivers\hardlock" on the server, double-click on the file hldrv32.exe and confirm all steps to install the dongle driver; then plug the dongle in the USB port.
4. Send an email to pwd-europe@think3.eu specifying the dongle ID and asking for password computing.

- For products with version up to 2011.1, you will receive password strings like:

```
FEATURE <product code> thinkflx <product version> <date> <quantity> <license code>
VENDOR_STRING=<customer name> NOTICE=<notice code>
INCREMENT <product code> thinkflx <product version> <date> <quantity> <license code>
VENDOR_STRING=<customer name> NOTICE=<notice code>
```

- For product with version starting from 2012.1, you will receive password strings like:

```
FEATURE <product code> thinkdmn <product version> <date> <quantity> VENDOR_STRING=<customer name>
NOTICE=<notice code> SIGN=<license code>
INCREMENT <product code> thinkdmn <product version> <date> <quantity> VENDOR_STRING=<customer
name> NOTICE=<notice code> SIGN=<license code>
```

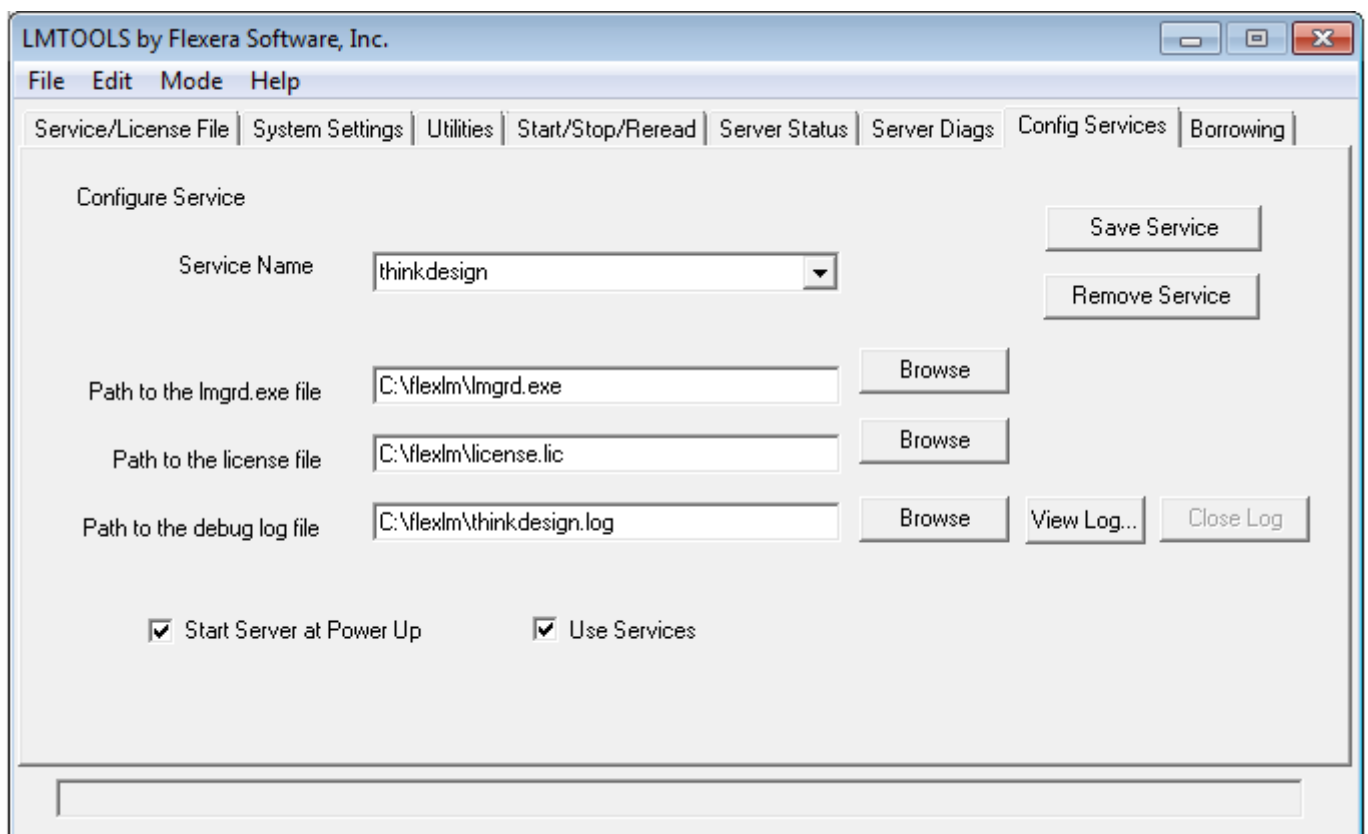
NOTE: you have a string beginning with FEATURE when you add new product licenses; while you have a string beginning with INCREMENT when you add new licenses of a product already inserted in the license file (i.e. you already have a string beginning with FEATURE for the product).

5. Copy the installation directory "C:\Program Files\think3\version number\common\drivers\flexlm" on the server directory "C:\flexlm" and configure the license.lic file.
 - Uncomment the first row #SERVER <hostname> CLCODE=<hostid> 7171 and replace <hostname> with the name of the server and <hostid> with the dongle ID, so that you should obtain a row of this type:
SERVER ServerName CLCODE=HUS00123 7171
 - If you want to run products starting from version 2012.1, uncomment the second row in order to have:
DAEMON thinkdmn C:\flexlm\thinkdmn.exe

- If you want to run products up to version 2011.1, uncomment the third row in order to have:
DAEMON thinkflx C:\flexlm\thinkflx.exe
- Add the password strings you have received from pwd-europe@think3.eu.

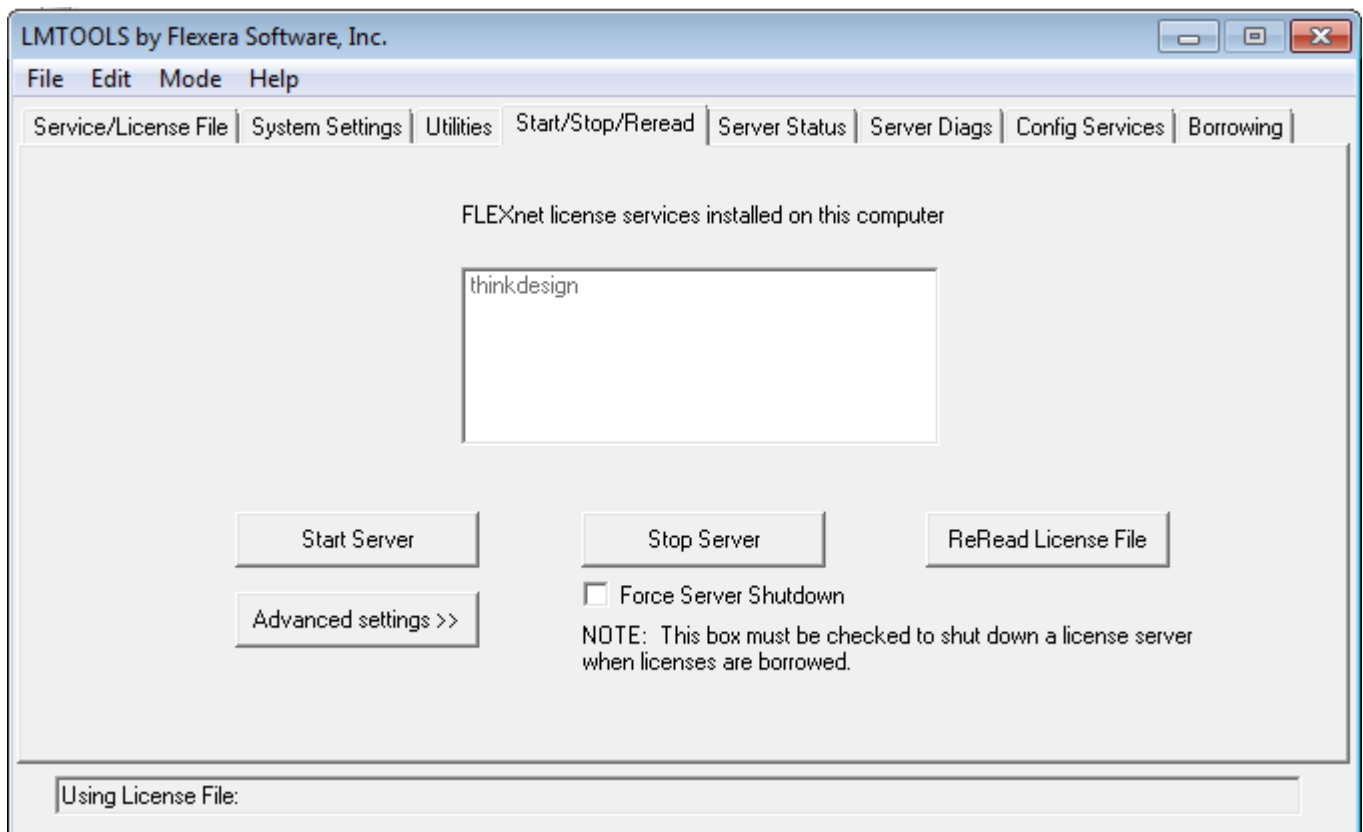
6. Double-click on the **lmtools.exe** file included in the C:\flexlm directory and choose the **Config Services** tab.

- In the **Service Name** field, insert the name of the Service you want to define.
- In the **Path to the lmgrd.exe file**, click the **Browse** button and select the C:\flexlm\lmgrd.exe file.
- In the **Path to the license file** field, click the **Browse** button and select the C:\flexlm\license.lic file.
- In the **Path to the debug log file**, define the file in which you want **FlexNet** write the log (for example C:\flexlm\thinkdesign.log file).
- Check the **Use Services** checkbox if you want **FlexNet** run as a service.
- Check the **Start Server at Power Up** if you want **FlexNet** automatically start at the server boot.
- Click the **Save service** button to save the just configured service (**Remove Service** button can be used to delete it).

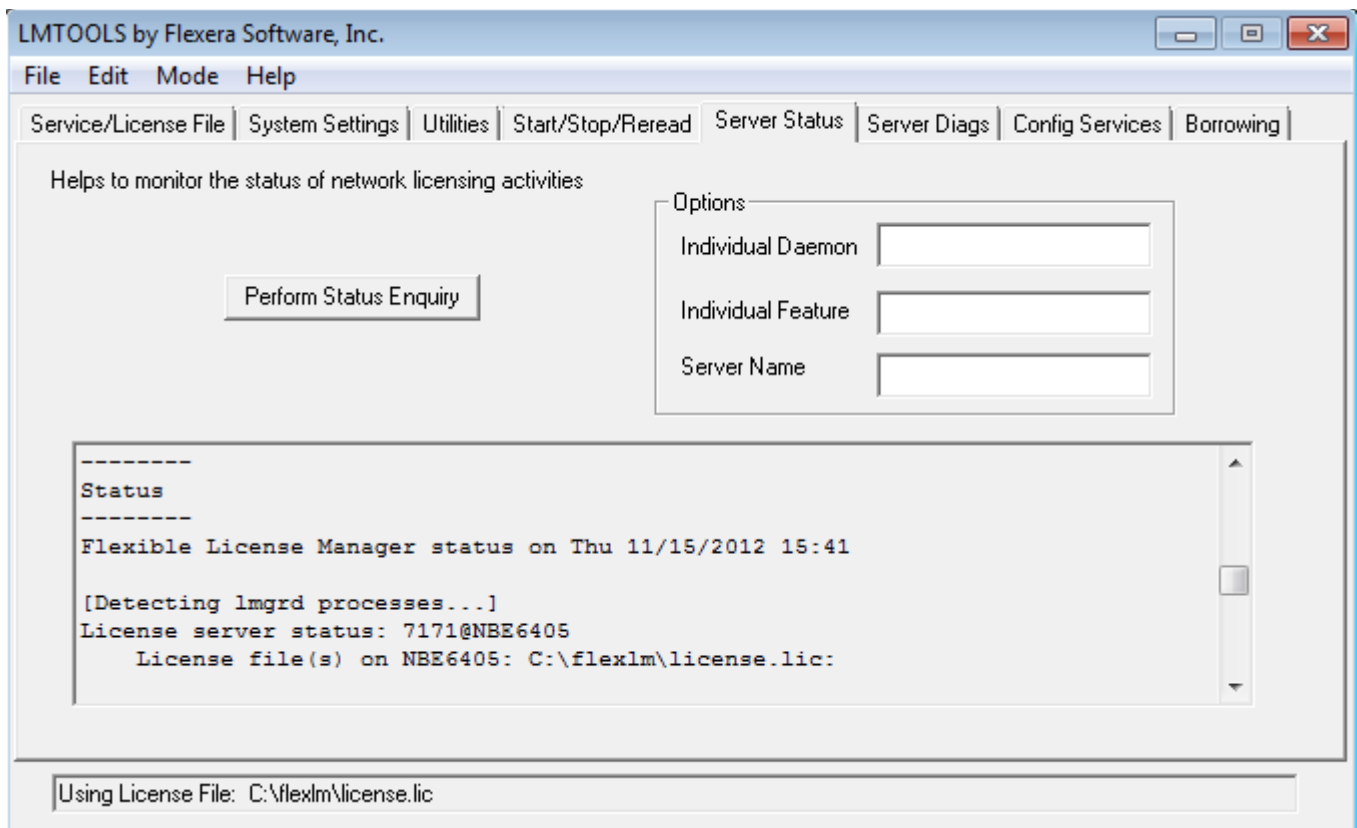


7. In the **Start/Stop/Reread** tab you can:

- Start the license server clicking the **Start Server** button.
- Stop the license server clicking the **Stop Server** button.
- Force the re-read of the license file, when you edit and update it with the license server running, clicking the **ReRead License File** button.



8. In the **Server Status** tab, you can see the license server status clicking the **Perform Status Enquiry** button.



Client Installation

1. Check if your client has one of the following, supported operating systems:

Microsoft® Windows® 7 32 and 64 bit
Microsoft® Windows® XP 32 and 64 bit

2. Install on the PC the products you want to run.
3. Define these system variables:

- **LICETYPE**

LICETYPE=FLEX	The system uses local licenses first, then floating ones
LICETYPE=NOFLEX	The system does not use floating licenses, but only local ones
LICETYPE=FIRSTFLEX	The system uses floating licenses first, then local ones
LICETYPE=ONLYFLEX	The system uses only floating licenses

- **LM_LICENSE_FILE**

It has to be defined with the value portnumber@<hostname>.

If in the license file of the server, the first row is defined as follows:

```
SERVER ServerName CLCODE=HUS00123 7171
```

in the client, you have to define the system variable as follows:

```
LM_LICENSE_FILE=7171@ServerName
```

4. Only if you want to use our products by Windows® Terminal Server Sessions, you have to define another variable `T3TSS=YES` to have the products running, and each instance of the products will get a license from the license server.

* FlexNet® licensing is a trademark of Flexera Software®, Inc, USA.

