Running the license server from a command line

The information on this page refers to v4.4.3 and later, which introduced an installation program that installs both LM-X License Server and the end-user tools and removed some commands from lmx-serv. For applicable to earlier versions, see documentation for previous versions.

The lmx-serv command will let you run the license server as a service in Windows or as a daemon in the background on Unix. However, it is recommended that you use the provided installer to install and start the license server instead of using lmx-serv.

The lmx-serv command usage is as follows.

For Windows:

Command	Options
lmx-serv	[-config *configfile* -licpath *licensefile* -logfile *logfile* -port *portnumber*]

For Unix:

Command	Options
lmx-serv	[-background -config *configfile* -licpath *licensefile* -logfile *logfile* -port *portnumber*]

Where:

Command			Description
Long version	**Short version**	**Applies to**	
-background	-b	Unix	Run the license server as a daemon in the background.
-config	-c	All	Specify an optional path to an lmx-serv.cfg configuration file. Typing the full path is required. If the server is run without the -c parameter, it will use default settings.
-licpath	-l	All	Specify an optional license file path that will be read in addition to those specified within the lmx-serv.cfg configuration file. Alternatively, you may specify a directory in which the license server will look for all .lic files. You can specify multiple paths, separated by a semicolon (;) for Windows or a colon (:) for Unix; for example, "-l C:\dir1;c:\dir2." If no default license is defined in the configuration file and the -l parameter is not specified (or no license can be found in given location), the server will look for all .lic files in its directory.
-logfile	-lf	All	Specify an optional logfile path, which will override any logfile settings in the lmx-serv.cfg configuration file.
-port	-p	All	Specify an optional port number, which will override the port number set in the configuration file.
-help	-h	All	Print out usage information for these commands.

We recommend enclosing all switches (e.g., configuration file path) within double quotes (" ") to avoid problems with white spaces.

The following example shows running the license server on Windows from a command line.

```
C:\Windows\System32\cmd.exe

c:\Program Files (x86)\LM-X>lmx-serv-xformation.exe -l network.lic -c lmx-serv.cfg
[2012-12-13 09:15:03] LM-X License Server v4.3.6 build DEVELOPMENT on Justyna-PC (Win32_x86)
[2012-12-13 09:15:03] Copyright (C) 2002-2012 X-Formation. All rights reserved.
[2012-12-13 09:15:03] Website: http://www.lm-x.com http://www.x-formation.com
[2012-12-13 09:15:03] License server has pid 2312.
[2012-12-13 09:15:03] Serving licenses for vendor XFORMATION.
[2012-12-13 09:15:03]
[2012-12-13 09:15:03] License server using TCP IPv4 port 6200.
[2012-12-13 09:15:03] License server using TCP IPv6 port 6200.
[2012-12-13 09:15:03] License server using UDP IPv4 port 6200.
[2012-12-13 09:15:03] WARNING: Windows firewall blocks TCP port 6200.
[2012-12-13 09:15:03] WARNING: Communication to license server might not work properly.
[2012-12-13 09:15:03] WARNING: Windows firewall blocks UDP port 6200.
[2012-12-13 09:15:03] WARNING: Automatic server discovery might not work properly.
[2012-12-13 09:15:03] Reading licenses...
[2012-12-13 09:15:03] License file(s):
[2012-12-13 09:15:03] c:\Program Files (x86)\LM-X\network.lic
[2012-12-13 09:15:03] Log file path: Not set
[2012-12-13 09:15:03] Log to stdout: Yes
[2012-12-13 09:15:03] Log format: Normal
[2012-12-13 09:15:03] Configuration file path: c:\Program Files (x86)\LM-X\lmx-serv.cfg
[2012-12-13 09:15:03] Serving following features:
[2012-12-13 09:15:03] LicensedExampleClass (v1.0) (1 license(s)) license type: exclusive
[2012-12-13 09:15:03] borrow (v1.0) (1 license(s)) license type: exclusive
[2012-12-13 09:15:03] f1 (v1.5) (5 license(s)) license type: exclusive
[2012-12-13 09:15:03] f2 (v1.0) (5 license(s)) shared on: HOST USER VIRTUAL license type: additive
[2012-12-13 09:15:03] f2 (v1.0) (10 license(s)) license type: additive
[2012-12-13 09:15:03]
[2012-12-13 09:15:04] Minimum user remove time set to 120 seconds.
[2012-12-13 09:15:04] To administrate the license server go to page http://Justyna-PC:6200
[2012-12-13 09:15:04] Ready to serve...
```