

# Performing a silent installation

*The information on this page refers to LM-X version 4.5.2 and newer, which added silent installation for Linux. Previous versions support silent installation for Windows only.*

You can perform silent (that is, unattended) installations on Windows and Linux as described below.

## Performing a silent installation of End-user Tools and the license server on Windows

LM-X End-user Tools can be installed silently using msixec (for details on using msixec, refer to the Microsoft Developer Network at <http://msdn.microsoft.com/en-us/library/windows/desktop/aa367988>).

When performing a silent installation, it is recommended to use reduced UI level, which can be triggered by using msixec with the /qr flag (although the software can also be installed using other /q flags as well).

You can then configure the installation using the following public properties:

Property	Description	Default
INSTALLDIR	Path under which LM-X End-user Tools will be installed.	x86: C:\Program Files (x86)\X-Formation\LM-X End-user Tools version x64: C:\Program Files\X-Formation\LM-X End-user Tools version x64
INSTALLSERVER	If set to 1, LM-X License Server will be installed alongside the End-user Tools.	1
VENDORDLLPATH	Path to liblmxvendor.dll that will be copied to INSTALLDIR. Set to empty string to disable copying the dll. Has no effect if INSTALLSERVER <> 1.	N/A
INSTALLSERVICE	If set to 1, LM-X License Server will be <a href="#">installed as a service</a> . Has no effect if INSTALLSERVER <> 1.	1
SERVICEDISPLAYNAME	Display name of installed LM-X License Server service. Has no effect if INSTALLSERVICE or INSTALLSERVER <> 1.	LM-X License Server version

For example:

```
C:\lmx-sdk-v4.4.6>msiexec /i lmx-enduser-tools_v4.4.6_win32_x86.msi VENDORDLLPATH=C:\lmx-sdk-v4.4.6\win32_x86\liblmxvendor.dll INSTALLDIR=C:\lmx-enduser-v4.4.6 /qr
```

## Performing a silent installation of the SDK and End-user Tools on Linux

The LM-X SDK and End-user Tools can be installed silently on Linux as described below.

### LM-X SDK installation

You can run a silent (that is, unattended) installation of the LM-X SDK at a command line using the following options.

Option	Description
-c <i>security_config_filename</i>	Use a security configuration file from a previous installation.
-b	Compile the LM-X SDK after installation.
-t	Install the LM-X End-User Tools after LM-X SDK compilation.
-k <i>activation_key</i>	An activation key.
-f <i>license_file_path</i>	License file path.
-e accept   reject	Accept or reject the End User License Agreement.
-i <i>installation_directory</i>	Installation directory.
-h	Print this help message.

#### Example 1

The following example installs the SDK without compiling it or installing End-User Tools:

```
sudo ./lmx-sdk_v4.5.2_linux_x64.sh -- -e accept -i /opt/lmx-sdk-4.5.2 -f /home/vendor/Download/lmx.lic
```

Example 2

The following example:

- Installs and compiles the SDK
- Installs the End-User Tools to the path /opt/lmx-sdk-4.5.2
- Registers the LM-X License Server Service under the default name “lmx-serv-4.5.2.”

```
sudo ./lmx-sdk_v4.5.2_linux_x64.sh -- -e accept -i /opt/lmx-sdk-4.5.2 -f /home/vendor/Download/lmx.lic -b -t
```

LM-X End-User Tools installation

You can run a silent (that is, unattended) installation of the LM-X End-User Tools at a command line using the following options:

Option	Description
-s	Start the LM-X License Server after installation.
-l <i>library_path</i>	LM-X vendor library path.
-n <i>service_name</i>	Service name (defaults to lmx-serv- <i>version</i> ).
-r	Overwrite existing service.
-u <i>username</i>	Run as the specified user.
-e accept   reject	Accept or reject End User License Agreement.
-i <i>installation_directory</i>	Installation directory.
-f	Overwrite any existing files.
-p	Postpone providing vendor library.
-h	Print this help message.

Example 1

The following example:

- Accepts the EULA
- Installs the LM-X License Server and End-User Tools to /opt/lmx-enduser
- Registers the LM-X License Server Service under the default name “lmx-serv-4.5.2.”

```
sudo ./lmx-enduser-tools_v4.5.2_linux_x64.sh -- -e accept -i /opt/lmx-enduser -l /home/enduser/Download/liblmxvendor.so
```

Example 2

The following example:

- Accepts the EULA
- Installs the LM-X License Server and End-User Tools to /home/enduser/lmx
- Makes the “enduser” user an owner
- Registers the LM-X License Server Service under the name “lmxserv”
- Starts the service after installation.

```
sudo ./lmx-enduser-tools_v4.5.2_linux_x64.sh -- -e accept -i /home/enduser/lmx -l /home/enduser/Download/liblmxvendor.so -u enduser -n lmxserv -s
```