

Exostiv - License Server Administration

User's Guide

Rev. 1.0.2- February 26, 2019



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Revision History

Revision	Modifications
1.0.0	<ul style="list-style-type: none">• May, 10th, 2016 - Initial revision
1.0.1	<ul style="list-style-type: none">• October 13rd, 2017 – minor corrections.
1.0.2	<ul style="list-style-type: none">• Legal and brand names update

EXOSTIV License Server Administration – User’s Guide

Scope

This guide applies to EXOSTIV Dashboard software when used with floating licenses. In such a case, a ‘license server’ must be installed and running to Exostiv Dashboard application lease the floating licenses over the network.

Files

EXOSTIV Dashboard installer includes the executables and services for the EXOSTIV license server. To download the latest version of EXOSTIV Dashboard, please go to: <https://www.exostivlabs.com/support/downloads/>

Server execution

File name	Description / Usage
FLicSrv.exe	License server executable – for Windows and Linux.
FLicSrvSvc.exe	License server service – Windows only. The floating license server as a service provides the same set of functionalities as the license server application. The service actually starts the application in background. Linux users should check with their IT manager about how to start the license server (FLicSrv.exe) as a daemon.
FLicSrvSvcStart.bat*	Batch file used to start license server as a service – Windows only.
FLicSrvSvcStop.bat*	Batch file used to stop license server as a service – Windows only.
FLicSrvSvcRestart.bat*	Batch file used to restart license server as a service – Windows only.

* Batch files (.bat) must be executed in a Windows Command Prompt with Administrator privileges.

Configuration & Logging

File name	Description / Usage
FLicSrv.cfg	Only required if you use the floating license server as a service under Windows. Can be optionally used with the floating license server application (GUI). To be placed at the same level as the floating license server executable. Contains the server configuration. If no file is provided, the server uses the previous configuration. If there is no previous configuration, the license server should be set up from the graphical user interface.
ExFLicSrvSvc.html	When logging is enabled in the configuration file, contains the log journal of the floating license server. This file is automatically generated when the logging is enabled in the configuration file. When using the floating license server application (GUI), the log can be found in the GUI Log Window.

Using the license server application (GUI)

License

Status: **Activated**

Expiration: 2020-12-31 00:00:00

License key:

Buttons:

Server

Status: **Running**

Intel licenses	3	Leased	0
Xilinx licenses	2	Leased	0

Auto start:

Port number:

Control:

Guest Name	Session UUID	Leased Intel Licenses	Leased Xilinx Licenses
<p>Activate license and/or recheck it from here</p> <p>Define server port number here or select 'Auto' to automatically select it.</p> <p>Use Start, Stop and Restart buttons to control server execution</p> <p>'Auto Start' automatically starts the server when executing this GUI</p>			

Log Window

```

13.10.2017 16:34:53 - Info : EXOSTIV floating license server version 1.1.0.
13.10.2017 16:34:53 - Info :
13.10.2017 16:34:53 - Info : Reading configuration file C:/Program Files (x86)/Exostiv Labs/EXOSTIVDashboard-X-1.8.2/FLicSrv.cfg.
13.10.2017 16:34:53 - Info : License key: AAAA-BBBB-CCCC-DDDD-EEEE-FFFF-GGGG
13.10.2017 16:34:53 - Info : Port number: 44444
13.10.2017 16:34:53 - Info : Logging: enabled
13.10.2017 16:34:53 - Info : Logging folder: C:\Projects\Xplorer\software\FLicSrv\ReleaseApp
13.10.2017 16:34:53 - Info : Using settings from configuration file.
13.10.2017 16:34:53 - Info :
13.10.2017 16:34:53 - Info : License with key AAAA-BBBB-CCCC-DDDD-EEEE-FFFF-GGGG is activated.
13.10.2017 16:34:53 - Info : Expiration date : 2020-12-31 00:00:00
13.10.2017 16:34:53 - Info :
13.10.2017 16:34:53 - Info : Starting license server.
13.10.2017 16:34:54 - Info : License server started on port 44444.
13.10.2017 16:34:54 - Info : Intel licenses : 3
13.10.2017 16:34:54 - Info : Xilinx licenses : 2
13.10.2017 16:34:54 - Info :

```

Activating the license server key requires an Internet connection.

Using the license server as a service

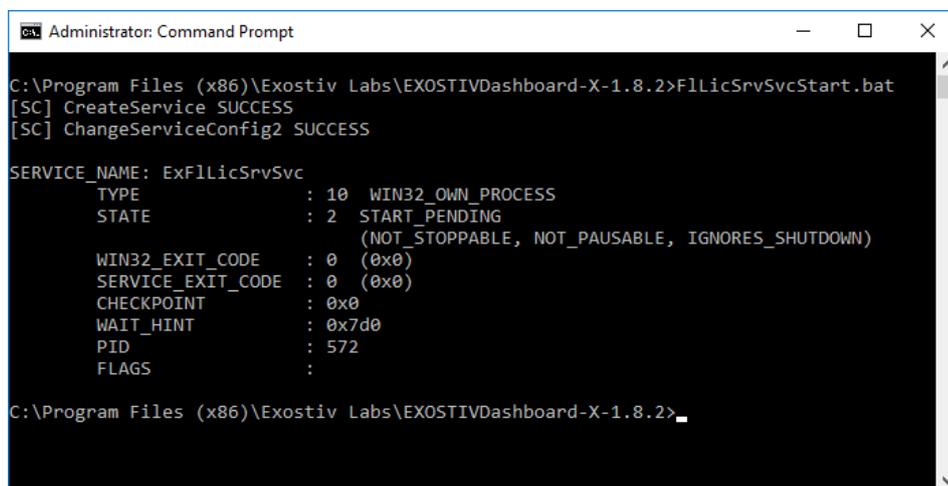
For the service mode, the 'FLicSrv.cfg' configuration file must be used (an example is located in the .\documentation\directory from version 1.8.x of Exostiv Dashboard).

Example of configuration file ('FLicSrv.cfg'):

<pre>LicenseKey = AAAA-BBBB-CCCC-DDDD-EEEE-FFFF-GGGG PortNr = 12345 LoggingEnable = true LoggingFolder = C:\path\to\logging_folder</pre>	<p>Add license key here. Server port number. true or false to enable/disable logging Path to logging folder</p>
--	--

(Windows only) : To control the execution of the server as a service, use the following batch file in a **Command Prompt with Administrator Privileges**:

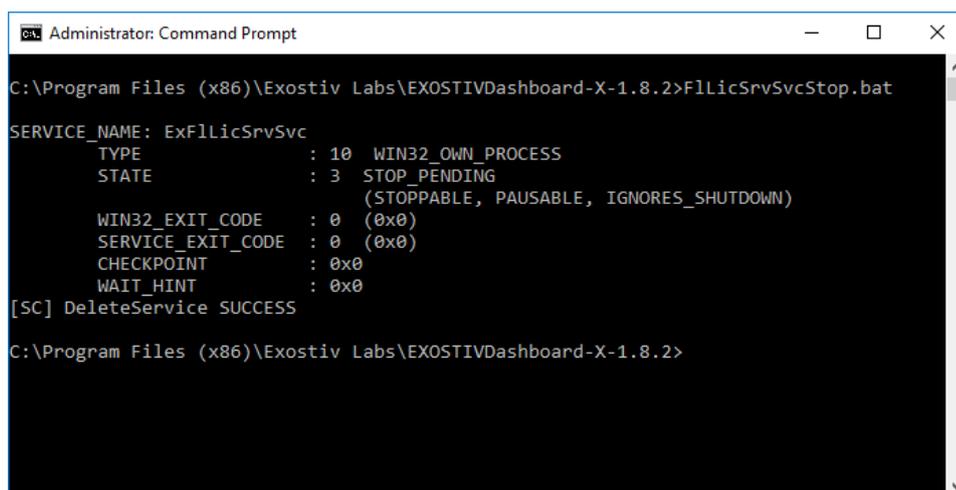
- **FLicSrvSvcStart.bat** : starts the server as a service:



```
Administrator: Command Prompt
C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>FLicSrvSvcStart.bat
[SC] CreateService SUCCESS
[SC] ChangeServiceConfig2 SUCCESS

SERVICE_NAME: ExFLicSrvSvc
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2   START_PENDING
                        (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0   (0x0)
        SERVICE_EXIT_CODE   : 0   (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x7d0
        PID                 : 572
        FLAGS                :
C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>
```

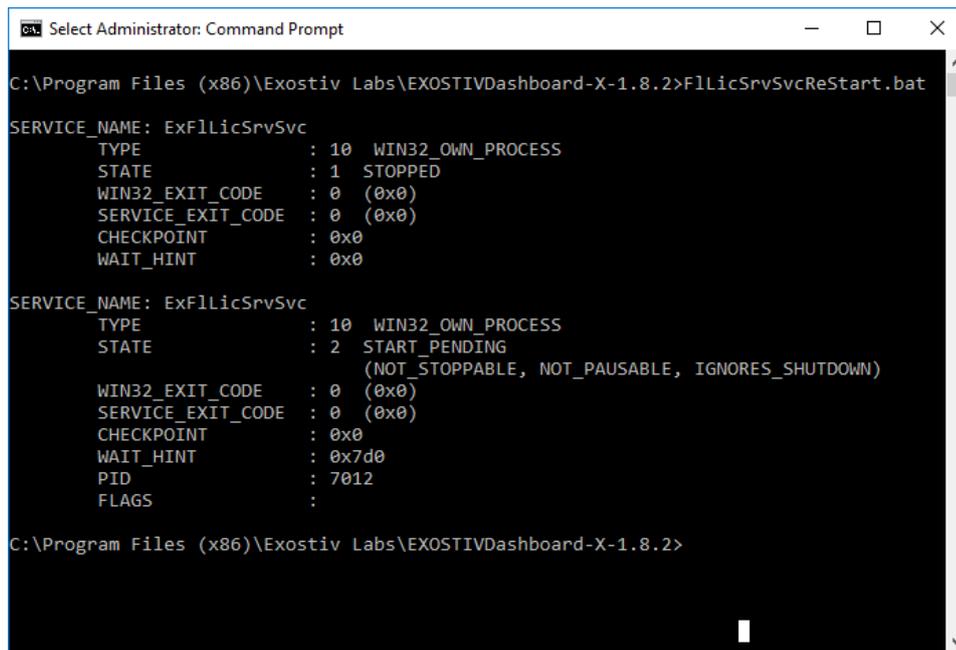
- **FLicSrvSvcStop.bat** : stops the server as a service



```
Administrator: Command Prompt
C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>FLicSrvSvcStop.bat

SERVICE_NAME: ExFLicSrvSvc
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 3   STOP_PENDING
                        (STOPPABLE, PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0   (0x0)
        SERVICE_EXIT_CODE   : 0   (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0
[SC] DeleteService SUCCESS
C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>
```

- **FllicSrvSvcRestart.bat** : restarts the server as a service.



```
Select Administrator: Command Prompt
C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>FllicSrvSvcReStart.bat

SERVICE_NAME: ExFllicSrvSvc
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 1  STOPPED
        WIN32_EXIT_CODE       : 0  (0x0)
        SERVICE_EXIT_CODE    : 0  (0x0)
        CHECKPOINT           : 0x0
        WAIT_HINT            : 0x0

SERVICE_NAME: ExFllicSrvSvc
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2  START_PENDING
                        (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE       : 0  (0x0)
        SERVICE_EXIT_CODE    : 0  (0x0)
        CHECKPOINT           : 0x0
        WAIT_HINT            : 0x7d0
        PID                  : 7012
        FLAGS                 :

C:\Program Files (x86)\Exostiv Labs\EXOSTIVDashboard-X-1.8.2>
```

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