


# Using the License Statistics Manager

*The information on this page refers to License Statistics v6.18 or newer, which added the ability to restart License Statistics from the License Statistics Manager (either using a new Restart button or via an alert that is issued if the configuration has changed while License Statistics is running). License Statistics v6.18 also removed the ability to activate licenses using the License Statistics Manager. License activation is now done using the Management tab on the Licensing page or the CLI, which was introduced with v6.18. If you are using a version previous to v6.18, see [documentation for previous versions](#).*

 License Statistics Manager is available for Windows installations only.

 License Statistics Manager requires .NET Runtime v4.8. Many Windows installations have .NET preinstalled; however, if you do not have the .NET platform installed or your version is other than v4.8, download the .NET v4.8 installation from Microsoft at <https://dotnet.microsoft.com/en-us/download/dotnet-framework/net48> (direct download link: <https://go.microsoft.com/fwlink/?LinkId=2085155>) and install it prior to installing License Statistics.

For details about preinstalled and supported .NET versions, see Microsoft's documentation at <https://docs.microsoft.com/en-us/dotnet/framework/migration-guide/versions-and-dependencies#net-framework-48>.

Before running License Statistics, you must configure it for your specific environment and needs. For Windows installations, the License Statistics Manager, which opens automatically upon completion of the License Statistics installation, guides you through all configuration options. For Linux installations, please see [Configuring License Statistics](#).

When upgrading License Statistics, the License Statistics Manager retains your settings. The tool always opens after installation is complete, and is also available from a shortcut created during installation, so you can change your settings as needed at any time.

After you have configured License Statistics, you are ready to start it as a service on Windows (see [Starting and stopping License Statistics on Windows](#)).

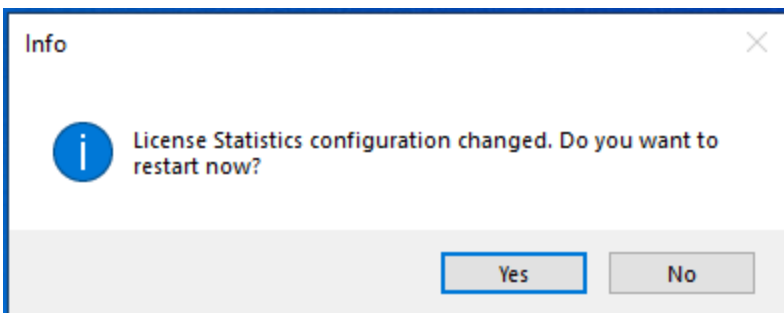
## Using the License Statistics Manager

Upon completion of the installation, the License Statistics Manager tool opens, as shown below. License Statistics Manager can also be run from the Windows Start Menu or by using the LicenseStatisticsManager.exe file, which is located by default in C:\Program Files\X-Formation\License Statistics\manager.

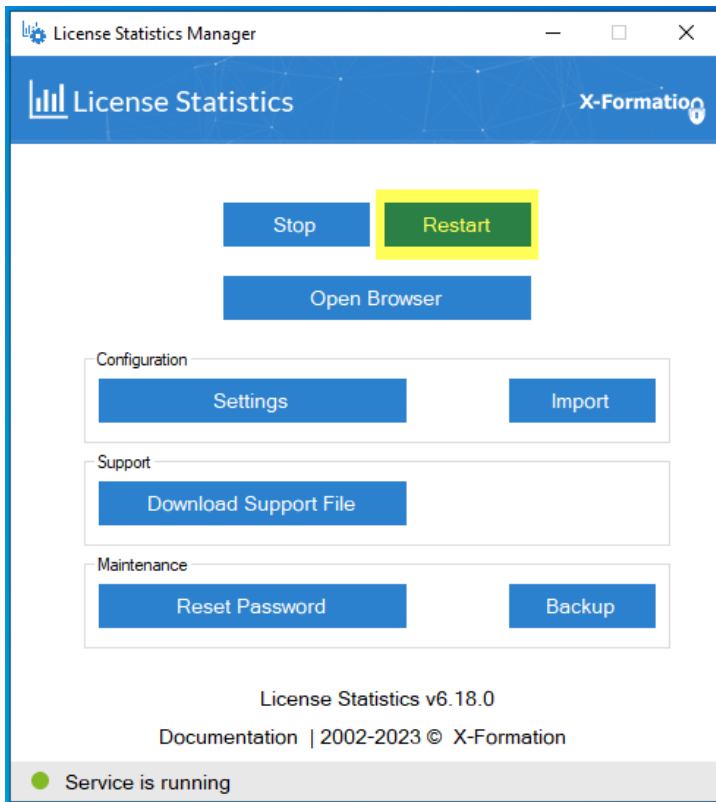
Be sure to review all settings and change them as needed for your environment and preferences.

## Restarting License Statistics

If you make changes to the configuration when License Statistics is running, you will see a message that asks whether you want to restart License Statistics. You must restart License Statistics for any changes to the configuration to take effect.



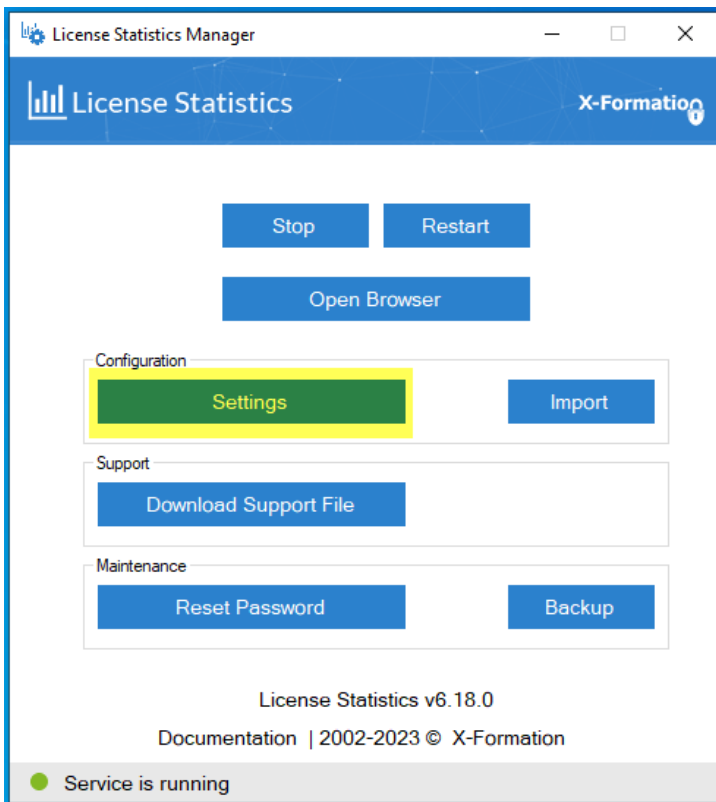
You can also restart License Statistics as needed at any time by using the **Restart** button at the top of the License Statistics Manager.



## Configuration settings

The License Statistics Manager lets you review and change your configuration settings. (Prior to v6.6, these settings were reviewed and changed using the `xflicstat.cfg` file.)

- If you are updating License Statistics from a version prior to v6.6 to v6.6 or newer, or if you're installing License Statistics on a new host, you can use **Import** under the Configuration area of the License Statistics Manager to locate and import your settings from a backed up `xflicstat.cfg` file. You should also follow the [upgrade instructions](#), as appropriate for your installation.
- If you don't have an existing `xflicstat.cfg` file, or you prefer to change your settings manually using the License Statistics Manager, click **Settings** under the Configuration area of the License Statistics Manager to open the Configuration Settings dialog.



The following sections describe the configuration settings available from the Configuration Settings dialog, including:

- [Webserver \(HTTP\) settings](#)
- [Creating a keystore](#)
- [License Statistics database settings](#)
- [LDAP settings](#)
- [Other \(miscellaneous\) settings](#)

## Webserver settings

The Webserver settings let you specify your [HTTP server information](#). The Webserver settings also include the ability to create a keystore, described next.

License Statistics Manager - Configuration Settings

**Webserver**  
Database  
LDAP  
Other

**HTTP**

Port: 443

Base URL:

☒ SSL  
☐ Force SSL

Keystore: C:\Program Files\X-Formation\Lic **Browse** **Create**

Password:

Key Alias:

Protocols: ☐ TLSv1.1  
☐ TLSv1.2  
☐ TLSv1.3

Ciphers: HIGH:!aNULL:!eNULL:!EXPORT **Default**

**OK** **Cancel**

## Creating a keystore

The Webserver settings let you browse for and specify the location of a keystore, or if no keystore exists, to create a keystore using a wizard to guide you. You can also [create a keystore manually](#); however, creating a keystore using the License Statistics Manager wizard simplifies the process.

To create a keystore using the License Statistics Manager wizard:

1. To the right of the Keystore field, click **Create** to open the keystore creation wizard.

License Statistics Manager - Keystore

**Keystore**

Certificate: C:\cert.crt **Browse**

Intermediate: C:\inter.crt **Browse**

Private Key: C:\cert.key **Browse**

Password: ••••••••

Key Alias: xflcstat

**Save** **Save As** **Cancel**

2. Browse for each of the paths that define the information needed to create the keystore, as described below. All fields are required except as noted.

Certificate	The certificate file (standalone or bundled with intermediate certificates)
Intermediate	An optional file with intermediate certificates (provided by CA)
Private Key	The private key file
Password	The password for the new keystore that will be created

Key Alias	The alias in the keystore for the new key that will be created
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- Click **Save** to create the keystore file in the application files,  
or  
Click **Save As** to create the keystore in a different location.

After saving the keystore definition, the keystore creation wizard will close, and the HTTP settings will be automatically populated with the specified Keystore path, Password and Key Alias.

### Database settings

The Database settings let you configure the [License Statistics database](#).

License Statistics Manager - Configuration Settings

Webserver
Database
LDAP
Other

Database

☒ Embedded

Hostlocalhost

Port3306

Username root

Password

Database xformation\_licstat

OK

Cancel

The Database settings include the following.

Field	Required	Description
Embedded	No	<p>Check this box to use an embedded MySQL server. Leave this box unchecked if using an external MySQL server.</p> <p>If you use an embedded MySQL server, the database will be created automatically the first time you run License Statistics, and the default values for all fields except "Password" will be filled in automatically.</p> <p>If you use an external MySQL server, the database must be created manually before running License Statistics, and you must fill in all required fields.</p>
Host	Yes	To use an external MySQL server, specify the server name or IP address.
Port	Yes	To use an external MySQL server, specify the server port.
Username	Yes	Username for the account created in the License Statistics database.
Password	No	Password for the account created in the License Statistics database.
Database	Yes	Name of License Statistics database.

### LDAP settings

The LDAP settings let you enable and configure LDAP SSL. For more information, see [Enabling LDAP SSL](#).

License Statistics Manager - Configuration Settings

Webserver  
Database  
**LDAP**  
Other

LDAP

Certificate  [Browse](#)

Verify ☒ Off ☐ Demand ☐ Allow

Keystore  [Browse](#)

Password

[OK](#) [Cancel](#)

LDAP settings include the following.

Field	Description
Certificate	Path to the file with the certificate.
Verify	Defines if the LDAP server certificate should be verified.  To turn verification on, toggle this setting to "Demand." To turn verification off, toggle this to "Allow" or "Off."
Keystore	Path to the keystore containing the server certificate.
Password	Password for the keystore.

### Other settings

The settings under "Other," include the [Java path](#), core settings and a toggle for LM-X extended logging. The settings in the Core section should not be changed unless you are instructed to do so by X-Formation Support.

License Statistics Manager - Configuration Settings

Webserver  
Database  
LDAP  
**Other**

Java


Path   Default

Core

RAM min

RAM max

Flags

 Do not change the values in this section unless instructed to do so by X-Formation Support. Incorrect settings can cause instability or decrease performance.

Logs

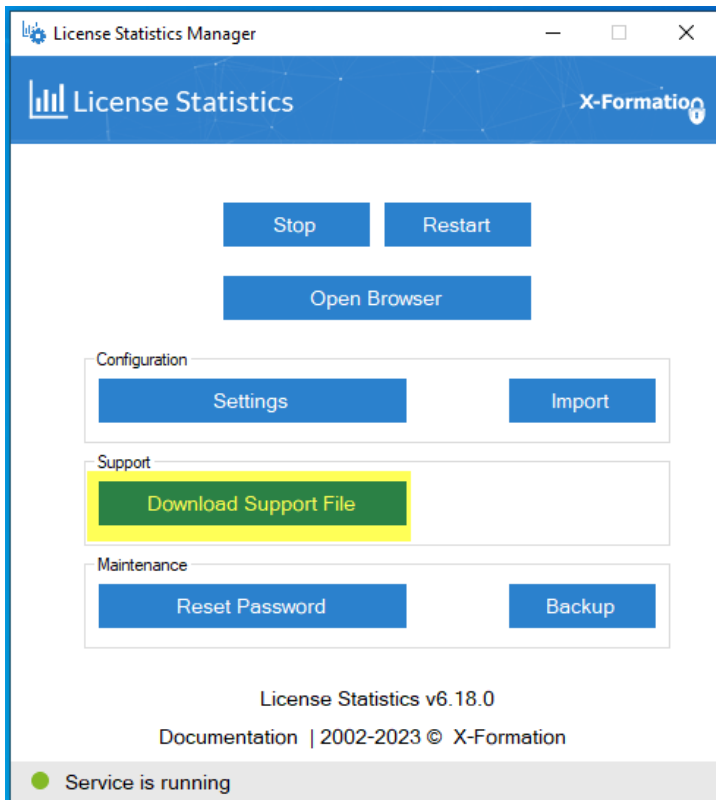
☐ LM-X License Manager Extended Log

## Support options

The License Statistics Manager includes options that assist X-Formation in providing support in case of issues, as described below.

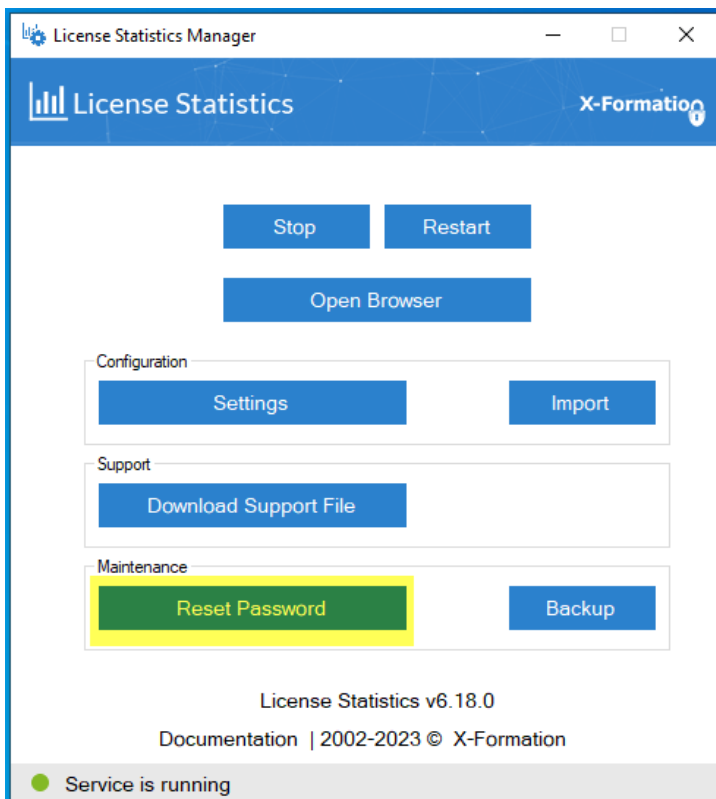
### Downloading a support file

If you experience issues with License Statistics, you should include a support file in your email to X-Formation Support. You can easily produce this file using the **Download Support File** button in the Support section of the License Statistics Manager. See [Reporting a Bug in License Statistics](#) for more information about obtaining support for License Statistics.



### Resetting the Administrator password

You can reset the password for the License Statistics Administrator (*admin*) user to its default setting (*admin*) using the **Reset Password** button in the Maintenance section of the License Statistics Manager. (License Statistics must be running to execute this operation.)



### Creating a backup file



If X-Formation Support requests a backup of your database, you can create the backup using the **Backup** button in the Maintenance section of the License Statistics Manager. For more information, see [Backing up and restoring an embedded database](#).

