

# Adding and editing realtime license servers

*The information on this page refers to License Statistics v6.0 and newer, which introduced a new user interface (UI). If you are using a version previous to v6.0, see [documentation for previous versions](#).*

You can add realtime [license servers](#) and edit information for existing realtime license servers using the **License Servers** page, found under the Administration section. (This page is visible only for License Statistics administrator users.) Note: This page also lets you add and edit imported license servers, as described in [Adding and editing imported license servers](#).

## Realtime License Servers grid

The Realtime License Servers grid in the License Servers page lists information for each currently configured realtime license server, including:

Column Name	Description
License Server	The display name for the license server.
Hostname	The <a href="#">hostname</a> of the license server. If the license server is configured to be redundant (three servers are used) this is the hostname of the main license server.
Port	The port to use for the license server. If the license server is configured to be redundant (three servers are used) this is the port for the main license server.
Lic Manager	The <a href="#">license manager</a> type (can be any <a href="#">supported license manager</a> or a <a href="#">custom license manager</a> ).
Status	The status of the license server. For detailed information about license server status, see <a href="#">License Servers</a> .)
Enabled	Indicates (Yes/No) whether <a href="#">monitoring</a> is enabled for the license server.
Redundant	An icon showing one computer indicates that the license server is not redundant. An icon showing three computers indicates the license server is redundant.
Realtime Denials	Indicates (Yes/No) whether monitoring <a href="#">Realtime Denials</a> is enabled for the license server.
Feature Versioning	Indicates (Yes/No) whether <a href="#">Feature Versioning</a> is enabled for the license server.

## Adding or editing a realtime license server

License Statistics lets you add realtime license servers with the same hostname, port, and other settings multiple times, which may be useful when you want to experiment with using different features, like Realtime Denials, Feature Versioning, etc. You should note, however, that the name you give to the license server must be unique; i.e., different than other names already assigned to existing servers.

To add or edit a realtime license server:

1. To edit an existing license server, click the **Edit** icon in the Action column of the Realtime License Servers grid row for the license server you want to change. An Edit License Server dialog opens to allow you to change the existing settings for that license server.

*or*

To add a new license server, click **Add** at the bottom of the Realtime License Servers grid. An Add New License Server dialog opens to allow you to configure the new license server.

2. Complete the information in the Add New/Edit License Server dialog's **License Server** tab as described below in "Realtime License Server tab settings."
3. If you are ready to verify the license server configuration, click **Verify**. Verification may take a long time depending on the license manager's response time, and the status will show that the server is being verified. You cannot perform any other operations for setting up the license server until verification is complete. The verification results will include the status (success or failure), the reason for the failure if verification failed, and the query tool output. You can save the output to a file if desired.

*or*

If you want to verify the license server at a later time, you can save the license server configuration (see step 6 below) without verifying it, and then edit the license server at a later time to complete the verification process. However, you won't be able to monitor the license server and you cannot access the **Aliases** or **Merge** tabs until the license server has been verified and License Statistics is able to gather data from the license server.

4. To [assign or edit server aliases](#), go to the **Aliases** tab.
5. To [merge license server data](#), go to the **Merge** tab.

6. After completing all settings as needed, click **Save** or **Save and Close** to save the license server. You can click **Close** at any time if you do not wish to save your changes.

## Realtime License Server settings

The Realtime License Server settings are described below. Note that only the settings that are valid for the selected License Manager Type will be visible. For example, if you select a License Manager Type other than FlexNet or RLM, the "Vendor Daemon Name" setting will not display.

Setting	Description																												
<b>General settings</b>																													
Name	The name for the license server that will be displayed in License Statistics. This can be any descriptive, unique name that helps you identify the license server in License Statistics pages.																												
Enabled	<p>Check this box to enable monitoring for the license server. When this box is not checked, monitoring for the license server is disabled. The license server will appear in License Statistics pages as "Down."</p> <p>Only enabled license servers are counted in the number of license servers you can monitor according to your License Statistics license agreement. You can add any number of disabled license servers. If you have reached your limit of license servers you can monitor, you can disable any license servers that you do not need to monitor and enable the license servers you do need to monitor.</p>																												
License Manager Type	<p>The type of license manager you are using for the license server. This selection list includes all <a href="#">supported license managers</a>.</p> <p>If you select Custom as the license manager type, you must specify the path to your custom XML file (see <a href="#">Supporting a custom license server</a> for information on adding a custom license server) in the Hostname field under Connection settings.</p>																												
Query Tool Path	<p>The path to the license manager's query tool defaults to <i>license_statistics_installation_directory/query_tool_default_name</i>, where the query tool default name is specific to the license manager being used, as follows:</p> <table border="1" data-bbox="261 842 737 1482"> <thead> <tr> <th>License manager</th> <th>Query tool default name</th> </tr> </thead> <tbody> <tr> <td>LM-X</td> <td>lmxendutil</td> </tr> <tr> <td>BETA LM</td> <td>beta_lm_stat</td> </tr> <tr> <td>Dassault</td> <td>DSLicSrv</td> </tr> <tr> <td>FlexNet</td> <td>lmutil</td> </tr> <tr> <td>GNS</td> <td>licstat</td> </tr> <tr> <td>IBM LUM</td> <td>i4blt</td> </tr> <tr> <td>LICMAN</td> <td>licman20_appl</td> </tr> <tr> <td>LS-Dyna</td> <td>lstc_qrun</td> </tr> <tr> <td>MathLM</td> <td>monitorlm</td> </tr> <tr> <td>OLicense</td> <td>olixtool</td> </tr> <tr> <td>RLM</td> <td>rlmutil</td> </tr> <tr> <td>Sentinel RMS</td> <td>lsmon</td> </tr> <tr> <td>TLM</td> <td>licdstat</td> </tr> </tbody> </table> <p>Edit the path if needed and make sure the query tool is in the specified path.</p> <p>Query Tool Path is not applicable when using the Custom, JetBrains, License4J, and oXygen license manager types.</p>	License manager	Query tool default name	LM-X	lmxendutil	BETA LM	beta_lm_stat	Dassault	DSLicSrv	FlexNet	lmutil	GNS	licstat	IBM LUM	i4blt	LICMAN	licman20_appl	LS-Dyna	lstc_qrun	MathLM	monitorlm	OLicense	olixtool	RLM	rlmutil	Sentinel RMS	lsmon	TLM	licdstat
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LS-Dyna	lstc_qrun																												
MathLM	monitorlm																												
OLicense	olixtool																												
RLM	rlmutil																												
Sentinel RMS	lsmon																												
TLM	licdstat																												
Description	An optional description for the license server. The Description can be entered/edited only after the license server has been validated.																												
<b>Connection settings</b>																													
Redundant	<p>Check this box to specify that redundant servers are being used (for example, in LM-X you would check Redundant if you are using HAL). When Redundant is checked, you must enter the hostname and port number for all three servers.</p> <p>The Redundant setting is applicable only for LM-X, FlexNet, BetaLM, Dassault, IBM LUM and GNS license manager types.</p>																												
Hostname	<p>The license server hostname. This entry cannot contain spaces or special characters, except underscores, hyphens and periods.</p> <p>Hostname is not applicable when using the LICMAN license manager type.</p> <p>When using the Custom license manager type, you must specify the path to your custom XML file in this field.</p>																												
Port	The license server port number, which may have a default setting depending on the license manager selected, as follows.																												

Number	<table border="1"> <thead> <tr> <th>License server</th> <th>Port number</th> </tr> </thead> <tbody> <tr> <td>LM-X</td> <td>6200</td> </tr> <tr> <td>RLM</td> <td>5053</td> </tr> <tr> <td>Dassault</td> <td>4084</td> </tr> <tr> <td>GNS</td> <td>7200</td> </tr> <tr> <td>Altair</td> <td>6200</td> </tr> <tr> <td>JetBrains</td> <td>8080</td> </tr> <tr> <td>License4J</td> <td>16090</td> </tr> <tr> <td>Oxygen</td> <td>8080</td> </tr> <tr> <td>TLM</td> <td>9090</td> </tr> </tbody> </table>	License server	Port number	LM-X	6200	RLM	5053	Dassault	4084	GNS	7200	Altair	6200	JetBrains	8080	License4J	16090	Oxygen	8080	TLM	9090
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The Port Number setting is not applicable when using the IBM LUM, LICMAN, Sentinel RMS, MathLM, and Custom license manager types.																					
Login and Password	The username and password used for secure login. This setting is applicable only for JetBrains and oXygen license manager types.																				
<b>Vendor settings</b>																					
Vendor Daemon Name	<p>An optional <a href="#">vendor</a> daemon name for the license server. This entry cannot contain spaces or special characters, except underscores, hyphens and periods.</p> <p>Applicable only for FlexNet, RLM, and OLicense license manager types.</p> <p>FlexNet license servers are configured with case-sensitive names by default, so make sure the vendor name uses the correct case when configuring a FlexNet license server. An error in the vendor name may cause problems with License Statistics usage monitoring. See "Failure to find licenses for FlexNet license server" in <a href="#">FLEXlm and FlexNet license server issues</a> for more information.</p>																				
Vendor Display Name	An optional name to display for the vendor in reports. The Vendor Display Name can be entered/edited only after the license server has been validated.																				
Vendor Name	The vendor name.																				
<b>Additional settings</b>																					
Reader Timeout (seconds)	Timeout setting for reader in seconds. Leave this box unchecked to indicate that there is no timeout.																				
Anonymous Usernames / Hostnames	<p>Make users and/or hosts anonymous in the database and HTML output (normally used to protect users for legal reasons, as is required in some countries).</p> <p>Note that you can set this additional option only when adding a license server; you cannot edit this option after adding the server.</p>																				
<a href="#">Realtime Denials</a>	<p>Enable monitoring denials data in real time. This option works only with the following license servers:</p> <ul style="list-style-type: none"> <li>• LM-X License Manager</li> <li>• Dassault</li> <li>• Altair License Manager (ALM)</li> </ul>																				
<a href="#">Feature Versioning</a>	<p>Enable Feature Versioning for the supported license server types. Currently this option works with the following license servers:</p> <ul style="list-style-type: none"> <li>• LM-X License Manager</li> <li>• IBM LUM</li> <li>• FlexNet</li> <li>• Reprise License Manager (RLM)</li> <li>• Sentinel RMS</li> <li>• License4J</li> <li>• TLM</li> </ul>																				