

This document describes the steps required to interface OpenLM with the Altair License Server (**ALS**) in order to monitor license usage and obtain license statistics.

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1. Requirements

To query the Altair License Server the following components must be installed:

1. OpenLM Server v4.7 or higher installed on a machine in your organization
2. OpenLM Broker v4.10 or higher installed on the same machine as the Altair License Server

2. Monitoring capabilities and features

The current monitoring capabilities available for Altair License Server through the OpenLM Broker are as follows:

Feature	Resolution	License totals	License usage	Denials Reporting	Borrowed License Reporting	Expiration Date Reporting	Multiple Server Redundancy
Support	By second	☐	☐	☐	☐	☐	☐

Additionally, using the Broker component allows for buffered communication and the ability to remotely start / stop the license manager service.

3. OpenLM Broker configuration

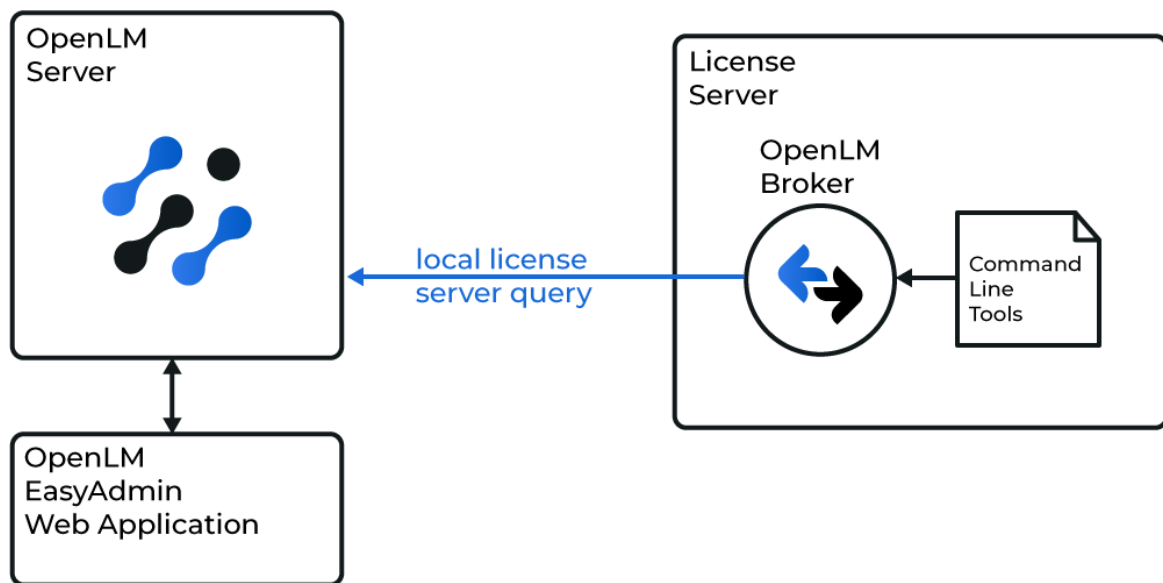


Diagram of how OpenLM interfaces with the Altair License Server

OpenLM's integration with ALS is virtually identical to the integration with [LMX](#). The only difference is in the command line utility (**almutil**) used to locally query the license manager for license usage data. Once the tool has been run and data has been collected, it is sent to OpenLM Server for processing.

Please note that OpenLM Broker must already be [installed](#) and [configured](#) to report to OpenLM Server before proceeding further.

Automatic OpenLM Broker configuration

OpenLM Broker supports automatic configuration of the Altair License Server.

1. Click **Detect** in the bottom right corner of the Broker configuration tool window:



If the Altair License Server process or service is started, Broker will automatically create a port node with all required settings.

2. Click **Apply** to commit the changes.
3. Click **Restart Broker** to send the changes to OpenLM Server.

It is recommended to manually check that the automatic configuration is working by going to Commands → data_inquiry and clicking **Execute**.

Manual OpenLM Broker configuration

If auto-detect did not work, you can also add and configure the license manager manually. To do so:

1. Click **Add Port**.
2. Enter the Altair License Server port number (default: 6200).
3. Select **Altair** from the “License Manager Type” drop-down menu. Click **Apply**.
4. Select **Commands**. In the “Update path for commands” field enter or browse to the folder where **almutil.exe** is installed (e.g.: C:\Program Files\Altair\licensing13.3\bin). Click **Update** then **Apply**.
5. Select “Vendor Name to Be Filled” under Vendors. Enter any descriptive text (e.g. Altair) in the “Vendor Name”. field then click **Apply**.
6. Click **Apply**.
7. Click **Restart Broker**.
8. Follow the steps in section 4 (“OpenLM Server configuration”), below.



4. OpenLM Server configuration

Automatic OpenLM Server configuration through EasyAdmin

If you have followed the steps in the section above, OpenLM Broker should now be transmitting data to OpenLM Server. The final step is to approve the configuration in EasyAdmin:

1. Open the EasyAdmin interface either by accessing **http://<OpenLM Server IP>:7019/EasyAdmin2/** in your browser or through **Windows Start → OpenLM → OpenLM EasyAdmin User Interface**
2. In the License Servers window, hover over the red row that contains the details of the newly added Altair License Server LM server entry and click **Approve**.



At this point, the Altair License Server has been automatically added to OpenLM Server and configuration is complete.

Manual OpenLM Server configuration

If automatic configuration has failed, you can manually configure OpenLM Server to connect to the OpenLM Broker installation located on the Altair License Server machine. This is done manually via the OpenLM Server configuration tool (Windows Start → OpenLM → OpenLM Server).

The hostname and port settings must match those that have been configured for OpenLM Broker.

Adding an Altair License Server

1. Select the **License Servers** tab.
2. Click **Add**.
3. From the **Type** drop-down menu, select **LMX**.
4. Insert a description in the Description text box (e.g. "Altair License Server")
5. Set the **Time Zone** to where the license server physically resides.

6. Enter the **Hostname** and **Port** number of the machine where the Altair License Server is installed. The Altair License Server default port is **6200**.
7. **Is Triad Configuration** box: unchecked.
8. **Use Broker** box: checked.
9. Click **Apply** and close the OpenLM Server configuration tool.



OpenLM Server is now configured to monitor the incoming data from OpenLM Broker.

5. How to verify Altair License Server monitoring

To check if the Altair License Server is being monitored correctly:

1. Open the EasyAdmin web application (access **http://<OpenLM Server hostname>/EasyAdmin2/index.html** in your browser)
2. Click **EasyAdmin Start → Widgets → License Servers**. Verify that the configured license manager(s) appears in the server list. A green circle node indicates an active connection to the license server.



Please note that sometimes it may take up to 3 minutes for the status indicator to change if this is a new connection.