



Connection Broker

Where Virtual Desktops Meet Real Business

Licensing Guide

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To request product information or inquire about our future directions, email @leostream.com.

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Patents

Leostream products are patent pending.

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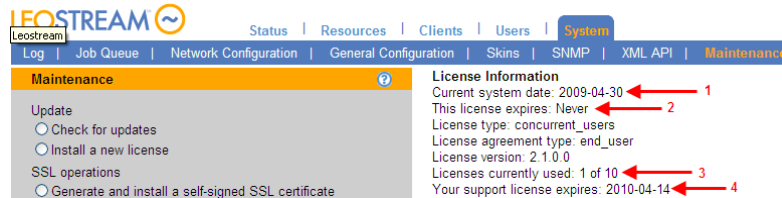
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License Management

You can view and manage license information within the Connection Broker Web interface. To view license information, go to the > **System** > **Maintenance** page.

Viewing License Information

The **License Information** text on the right hand side of the **Maintenance** page, shown in the following figure, displays license information.



The important information includes:

1. The current system date.
2. Your license expiration date. For production licenses, this value is typically *Never*.
3. The number of licenses currently used, out of the total.
4. The support expiration date.

Contact @leostream.com or your hardware vendor to renew an expired license.

Installing a New License

To enter a new license key:

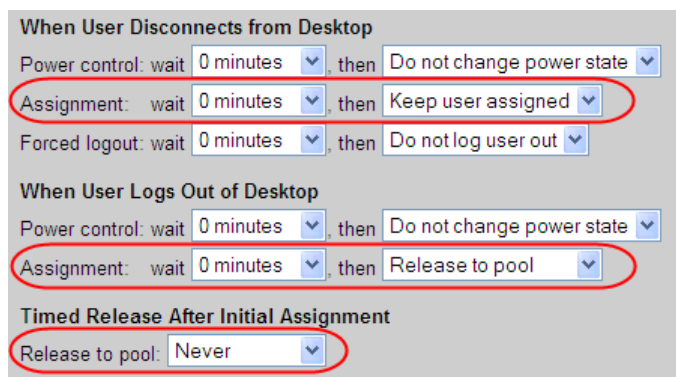
1. Go to the > **System** > **Maintenance** page.
2. Select the **Install a new license** option in the Update section.
3. Click the **Next** button.
4. In the form that opens, enter your new license key. Ensure that there are no spaces in or after the sequence and that you include the lines containing the text `-----BEGIN LICENSE-----` and `-----END LICENSE-----` line.
5. Click on the **License Agreement** link to open the End User License Agreement for the Leostream™ Connection Broker.
6. Read the agreement and, if you accept it, select the **I have read and accept the License Agreement** check box.
7. Click **Save**.

License Usage

Policy-Assigned Desktops

End users consume a Connection Broker license when they log into the Connection Broker. Once a user has a license, they can continually launch any of their assigned resources (desktops and applications). A user relinquishes their licenses *only* after they release all of their resources.

The **Assignment** options on a user's policy, circled in the following figure, determine when a resource and, hence, license is released.



The following table indicates how combinations of **Assignment** settings and user actions affect the number of licenses in use. The table assumes that the user action is taken on their final resource. For example, if the user logs into two desktops, they must be logging out or disconnecting from their final desktop.

User Action \ Policy Setting	On Disconnect Keep Assigned	On Disconnect Release to Pool	On Logout Keep Assigned	On Log Out Release to Pool
Disconnect	License in use	License released	N/A	N/A
Logout	N/A	N/A	License in use	License released

Similarly, if the **Release to pool** option is set to any option other than **Never**, when the last user resource is released to the pool, the license is released.

Hard-Assigned Desktops

Desktops that are hard-assigned to a user consume a license as soon as the desktop hard-assignment is made. See "Hard-Assigning a Desktop to a User" in the [Leostream Connection Broker Administrator's Guide](#) for instructions on how to hard-assign a desktop to a user.

By consuming a license as soon as the hard-assignment is made, you are ensuring that your users always have access to their desktops.

Reports on License Usage

The > **System** > **Maintenance** page indicates how many of your total licenses are currently in use. The > **System** > **Maintenance** page also warn you when you are approaching your license limit.

Leostream recommends that you periodically check your license usage on the > **System** > **Maintenance** page, to ensure that you are not approaching your limit. When your license limit is exceeded, new users will not be able to log into the Connection Broker



Users that are already assigned a resource can always log back into the Connection Broker.

The reports on the > **Status** > **Reports** page can assist you in determining what users are currently assigned to resources and using a license. See “Generating Connection Broker Reports” in the [Leostream Connection Broker Administrator’s Guide](#) for more information on interpreting resource usage reports.

Support License

A valid support license entitles you to Connection Broker upgrades and access to online Leostream support. The > **System** > **Maintenance** page indicates your support expiration date.

After your support license expires, the **Check for updates** option on the > **System** > **Maintenance** page is disabled.

Checking for Connection Broker Updates



Leostream recommends taking a snapshot of your Connection Broker virtual machine prior to installing an update.

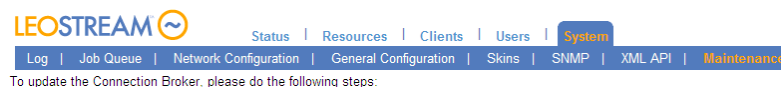
You can find your Connection Broker version number at the bottom-left of every page of the Connection Broker Web interface.

You can also remotely determine the version by querying:

`http://xxx.xx.xxx.xx/version`

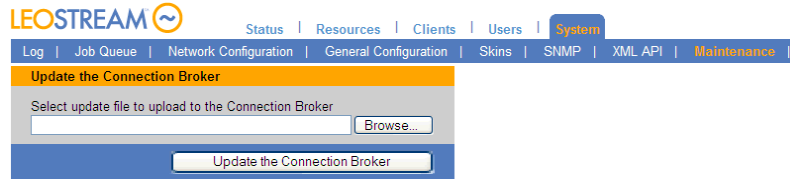
where `xxx.xx.xxx.xx` is your Connection Broker IP address.

To download and install updates select the **Check for updates** option on the > **System** > **Maintenance** page and click **Next**. The following updates page opens:



1. Click [here](#) to check if the Connection Broker needs to be updated.
2. If step 1 allowed you to download an update file you should [click here](#) to continue the update.

1. Click the **Click here** link in the first step to check for updates. A new Web browser opens, indicating if there are updates for your Connection Broker
2. If an update is available, download the updated file. Once the file is downloaded, close the browser and return to the Connection Broker Web interface.
3. Click the **Click here** link in the second step of the update process. The following **Upgrade the Connection Broker** form opens.



4. Enter the full path to the update file you downloaded, or browse for the file.
5. Click **Upgrade the Connection Broker** to install the update.

You can optionally monitor the update process. Once the upgrade is complete, you may need to sign back into your Connection Broker.

Related Documents

The following documents provide additional information for getting started with your Connection Broker:

- For more information on installing the Connection Broker, including the Leostream Agent and Leostream Connect, see the [Installation Guide](#).
- For more information on getting started with the Connection Broker, see the [Quick Start](#).

Points of Interest

- Users who log in through the Connection Broker Web browser, and are assigned multiple desktops, do not currently consume a license as soon as they log into the Connection Broker. They consume a license when they launch their first resource.

As such, if a user logs in through the Web browser after you have exceeded your license limit, they may not be able to launch their desktops.