Upgrading a Clustered Connection Broker Environment to Leostream 2025

Leostream Platform 2025 is the next major release of the Leostream platform. It installs on Red Hat® Enterprise Linux® 9.6 operating systems and its derivatives, such as Rocky Linux and AlmaLinux OS.

📝 If you are an existing Leostream customer, Leostream recommends building a Leostream Platform 2025 test environment before moving your production environment to the new version. Please reach out to sales@leostream.com and your account representative will assist you with a trial license for your test environment and with your future migration.

⚠️ You cannot perform an inline upgrade of Connection Broker 9.x or Connection Broker 2024 to version 2025. If you are running Connection Broker 9 you must reconfigure your new 2025 environment. If you are running Connection Broker 2024, you can copy your Leostream 2024 configuration into your new 2025 environment, as described in the following procedure.

Important Note!

Some Leostream Platform 2024 functionality has been removed in Leostream Platform 2025. Consult the Leostream Release Notes for a full list of obsolete features. You should not upgrade to 2025 if you use any of the removed features.
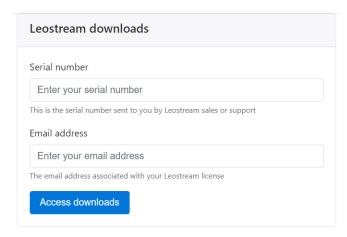
Connection Broker 202x Installation

1. Build base Linux machines to host your Connection Brokers 2025, using the latest version Red Hat Enterprise Linux 9.6, or a derivative such as Rocky Linux or AlmaLinux OS. Connection Broker requires the following resources:

   - 2 vCPUs
   - 8.0 GB of RAM
   - At least 20 GB of hard drive space
   - One NIC, optionally with Internet connectivity

2. Download the Connection Broker 2025 RPM-file

   a. Go to the Leostream Downloads server at:

      https://license.leostream.com/download.html

      The following form opens.

Leostream downloads

Serial number

Enter your serial number

This is the serial number sent to you by Leostream sales or support

Email address

Enter your email address

The email address associated with your Leostream license

Access downloads

b. Enter your Leostream Serial number.

c. Enter the email address listed as the Contact Email for that serial number. This may not be the email address you used to generate any previous Leostream license keys.

d. Click **Access downloads**

If you receive an error that your Serial number or Email address are invalid for any reason, please contact sales@leostream.com.

If you successfully log in, but see only Leostream 9.1 downloads, please contact sales@leostream.com to obtain a new Serial number to use with Leostream Platform 202x.

e. Ensure that you download Connection Broker 2025, highlighted in the following figure.

Leostream downloads

Name	Version	Release Date
LEOSTREAM CONNECTION BROKER 2025 for installation on Red Hat Enterprise Linux 9	2025.1.5.1	September 2025
LEOSTREAM CONNECTION BROKER 2024 for installation on Red Hat Enterprise Linux 8	2024.5.19.1	August 2025

3. For each Linux machine that will host one of the Connection Brokers in your Leostream Platform 2025 cluster, copy the downloaded file to the Connection Broker machine and install the Connection Broker using the following two commands.

```
sudo dnf -y install RPM_FILENAME
sudo /sbin/reboot
```

4. After installing the Connection Broker, apply your trial Leostream Platform 2025 license to one of the Connection Brokers, as follows:

   a. Log into the Connection Broker using the default admin account.

   b. Click the link to go to https://license.leostream.com to generate a trial 2025 license.

   c. Apply the trial license to your new Connection Broker.

5. Proceed with your Connection Broker 2025 trial.

   After you complete your trial, if you would prefer to use your Connection Broker 2025 trial configuration as your production environment, please contact sales@leostream.com to update your Serial Number.

   If, instead, you want to migrate your Connection Broker 2024 configuration into your new 2025 environment, proceed with step 6, below.

Database Backup

6. Back up the Microsoft SQL Server PostgreSQL database used in your Connection Broker 2024 cluster.

   ⚠️ Connection Broker 2025 cannot be connected to an AzureSQL database. If you are using AzureSQL, please reach out to support@leostream.com for next steps.

Decommission Connection Broker 9

7. Log into one of the Connection Brokers in your Leostream 2024 cluster.

8. Go to the **> System > Cluster Management** page and note the IP addresses and Site IDs for all Connection Broker's in your cluster. Note, this is optional. You can assign new IP addresses and Site IDs to all your 2025 Connection Brokers.

9. If your current Connection Broker uses a custom SSL certificate, you can download the certificate for use in your 2025 Connection Broker. Otherwise, skip to step 9.

   a. In one of your Connection Broker 2024, go to the **> System > Maintenance** page.

   b. Select the **Download the SSL credentials for installation on another Connection Broker** option.

   c. Follow through the wizard to create the credentials file.

10. Remove all of your old Connection Brokers from your external database.

   a. Go to the **> System > Maintenance** page on one of your old Connection Brokers.

   b. Select **Switch to internal database** from the **Database Options**.

   c. Click **Next**.

   d. Click **Switch** in the **Internal database** form to switch this Connection Broker back to its internal database and remove it from the cluster

   e. Repeat steps a through d for the remaining Connection Brokers 2024 in the cluster.

   ⚠ Do not connect your new Connection Brokers to your external database until all Connection Brokers 2024 instances have been removed.

Reassign Static Connection Broker IP Addresses (Optional)

   Ensure that the guest operating system for all your old Connection Brokers is powered down before proceeding if you plan to reuse the IP addresses.

11. Log into the virtual machine console of your new 2025 Connection Brokers and reset the Linux machines' IP addresses to the values previously used by your 2024 Connection Brokers. Reboot the Linux machine after resetting the IP address, to restart the Connection Broker.

   If you are not reusing your previous Connection Broker IP addresses, ensure that you update any DNS records, load balancers, and/or Leostream Agents so they point to your new Connection Broker 2025 addresses.

Connect the First 2025 Connection Broker to the Leostream database

12. Log into the Administrator Web Interface of your trial 2025 Connection Broker.

   a. Go to the **> System > Maintenance** page.

   b. Select the appropriate option to switch to your external database, for example **Switch to Microsoft SQL Server database**.

   c. Click **Next**.

   d. In the **Switch database** form, enter in the information for the database used by the previous cluster. If you are reusing your site IDs, enter the **Site ID** associated with the IP address used by the Connection Broker you are logged into.

e. Click **Switch**. The Connection Broker issues a warning indicating you are attaching to an older database, and that it will be upgraded.

f. Click **Switch**, again. The Connection Broker updates the database schema and attaches to the database, before rebooting. Your Connection Broker 2025 environment now leverages your production Leostream Serial Number.

Connect the remaining 2025 Connection Brokers to the Leostream database

13. Log into each additional 2025 Connection Broker using the default admin credentials. These should not yet be licensed.

a. On the **Leostream License** page, select **Connect to an existing Leostream database which is already licensed** from the **How do you want to enter your license** key drop-down menu.

b. Enter in the information for the database used by the previous cluster.

If you are reusing your site IDs, set the **Site ID** to the site ID associated with the IP address used by the Connection Broker you are logged into

c. Check the **I have read and accept the License Agreement** check box.

d. Click **Save**.

Apply SSL Certificates

14. If you downloaded SSL certificates information from your previous Connection Broker, you can upload them to the new Connection Brokers, as follows.

a. Go to the **> System > Maintenance** page.

b. Select the **Install the SSL credentials from another Connection Broker** option.

c. Click **Next**.

d. Enter or browse for the file name of the SSL credentials downloaded from the older Connection Brokers.

e. Click **Load the SSL credentials**.

Repeat this step for every Connection Broker in your cluster.

Remember! If you reused your Connection Broker IP address, do not power on your old Connection Broker after reassigning the IP address to your new Connection Broker.

Note: If your Connection Broker 2024 leveraged any Leostream Gateways, you can continue to use those Gateways with Connection Broker 2025. To add the Leostream Gateways to your Connection Broker 2025, you will first need to detach them from your old 2024 environment. Please see the Leostream Gateway Guide for instructions or contact support@leostream.com.