




## Upgrading a Standalone Connection Broker 9.x Environment to Leostream 2022

Leostream 2022 is the next major release of the Leostream platform. It installs on Red Hat® Enterprise Linux® 8 operating systems and its derivatives, such as Rocky Linux and AlmaLinux OS.

 You cannot upgrade an existing Leostream 9.x environment to the 2022 version. You can, however, copy your Leostream 9.x configuration to your new 2022 environment, to avoid implementing your deployment from scratch.

### Before You Begin

Your Leostream 2022 environment requires a new Leostream Serial number. Before you begin your update to Leostream 2022, please contact [sales@leostream.com](mailto:sales@leostream.com) to obtain a Serial number for use with Leostream 2022.

### Important Note!

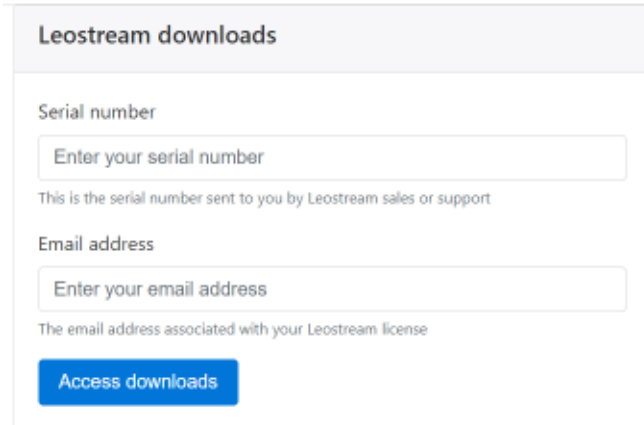
Some Leostream 9.x functionality has been removed in Leostream 2022. Consult the [Leostream Release Notes](#) for a full list of obsolete features. You should not upgrade to 2022 if you use any of the removed features.

### Connection Broker 2022 Setup

1. Build your base Linux machine to host your 2022 Connection Broker, using the latest version Red Hat Enterprise Linux 8.x, 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 2022 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 – It must provide access to Leostream 2022 in order for you for you to access the Connection Broker 2022 RPM-file.
- 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](mailto:sales@leostream.com).

If you successfully log in, but see only Leostream 9.1 downloads, please contact [sales@leostream.com](mailto:sales@leostream.com) to receive a new Serial number for use with Leostream 2022.

3. Copy the downloaded file to your 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, install your new Leostream 2022 license:
  - 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 new 2022 license.
  - c. Apply the new license to your new Connection Broker.

## Database Backup

5. In your 9.x Connection Broker, go to the > **System > Maintenance** page and select **Backup internal database**. Store the downloaded file in a location accessible by your 2022 Connection Broker.

## Decommission the Older Connection Broker

6. If your 9.x Connection Broker uses a custom SSL certificate, you can download the certificate for use in your 2022 Connection Broker. Otherwise, skip to step 7.
  - a. In your 9.x Connection Broker, go to the > **System > Maintenance** page.
  - b. Select **Download the SSL credentials for installation on another Connection Broker**.
  - c. Follow through the wizard to create the credentials file.
7. Gracefully power off your 9.1 Connection Broker.
  - a. Go to the > **System > Maintenance** page on your old Connection Broker.
  - b. Select **Shutdown the Connection Broker** from the **Reset** options.
  - c. Click **Next**. After five seconds passes, the Connection Broker application stops.

## Reassign Static Connection Broker IP Addresses (Optional)

8. Log into the virtual machine console of your new 2022 Connection Broker and reset the Linux machines IP address to the value previously used by your 9.1 Connection Broker. Reboot the Linux machine after resetting the IP address, to restart the Connection Broker.

## Upload the Connection Broker database

9. Log into the Administrator Web interface for your new 2022 Connection Broker.
  - a. Go to the > **System > Maintenance** page.
  - b. Select **Restore database from backup**.
  - c. Click **Next**.
  - d. Select the database file you downloaded from your previous Connection Broker.
  - e. Click **Submit**.

The old configuration is uploaded into your new Connection Broker, retaining the Leostream license information you applied in step 4.



## Apply SSL Certificates

10. If you downloaded SSL certificates information from your 9.1 Connection Broker, you can upload them to the 2022 Connection Broker, 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**.

Your new Connection Broker is now ready for use.

**Remember!** If you reused your Connection Broker IP address, do not power on your 9.1 Connection Broker after reassigning the IP address to your new Connection Broker.

**Note:** If your 9.1 Connection Broker leveraged any Leostream Gateways, you can continue to use those Gateways with Connection Broker 2022. You cannot upgrade your existing Leostream Gateways to version 2022 and, instead, must install new Leostream Gateways (as described in the Leostream Installation Guide), add them to your 2022 Connection Broker, and update all your Protocol Plans to reference your new Leostream Gateways.