

Cluster Setup Guide

This guide will help you set up your Zeus Cluster by adding the necessary servers, configuring endpoints, and installing your SSL certificate.

1. Log In & Create Your Cluster

1. Log In to Your Account

- Navigate to zeuscluster.com and log in with your credentials.

2. Access the Clusters Page

- In the left-hand menu, click on **Clusters**.

3. Add a New Cluster

- In the upper-right corner, click **Actions > Add Cluster**.
 - Enter a **Cluster Name** of your choice.
 - Click **Submit**.
 - You will be redirected to the **Cluster Overview** page.
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2. Add Servers to Your Cluster

Each server in your cluster must be added and installed separately.

2.1 Add a Server

1. Start the Process

- In the Cluster Overview page, in the upper-right corner, click **Actions > Add Server**.

2. Enter Server Details

- **Server Name:** Give your server a recognizable name.
- **Server Hostname:** Enter a valid DNS entry that is pre-configured for this server.
- **Select Server Role:** Choose the appropriate role from the list.

3. Server Installation Script

- After submitting, you will be taken to the **Server Overview** page.
- A server installation script will be displayed.
- **Copy the installation command.**

4. Run the Installation Script

- Open an SSH terminal connected to the new server.
- Paste and run the installation command.
- The server will start installing and will automatically reboot once the installation is complete.
- After reboot, refresh the Cluster Overview page in the CMS to view updated server stats.

2.2 Repeat for Each Required Server Role

Ensure that you complete the above steps for each of the following server roles:

- **1 x RTMP Server**
- **1 x Transcoding Server**
- **1 x Load Balancing Server**

Note: You must have at least one server installed for each role before proceeding.

3. Configure Cluster Settings

Once you have added all required servers, update additional cluster information.

1. Navigate to Clusters

- From the left-hand menu, click **Clusters**.

2. Edit Your Cluster

- Locate your cluster in the list.
- On the left side of the cluster row, click **Actions > Edit Cluster**.

3. Enter the Following Information

- **RTMP Endpoint**

- This is where content creators send their streams.
- Example: `publish.domain.com`
- **Note:** Point this to the IP address of your primary RTMP Server.

- **HLS Endpoint**

- This is where viewers connect to watch the streams.
- Example: `watch.domain.com`
- **Note:** Point this to the IP address of your Load Balancing Server.

- **API Endpoints (Optional)**

- Configure API endpoints if you wish the Zeus Cluster to send notifications when:
 - A stream goes live.
 - A stream ends.
 - A stream recording is ready for post processing.

4. Save Your Changes

- Review the information and click **Save**.
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4. Install an SSL Certificate on the Load Balancing Server

1. Locate the Load Balancer

- In the Cluster Overview, find your **Load Balancing Server** in the list of servers.

2. Begin SSL Installation

- On the right-hand side of the Load Balancer row, click **Actions > Install SSL Certificate**.
- A unique SSL installation script will be displayed.

3. Run the SSL Installation Script

- Open an SSH terminal on your Load Balancing Server.
 - Copy the SSL installation script and paste it into the terminal.
 - Run the script to install the SSL certificate.
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5. Finalizing Setup

- Once the SSL installation is complete, your Zeus Cluster is fully installed and configured.
 - Your servers are now ready for stream creation and broadcasting.
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Congratulations!

Your Zeus Cluster is now set up and ready to handle live streaming events.

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