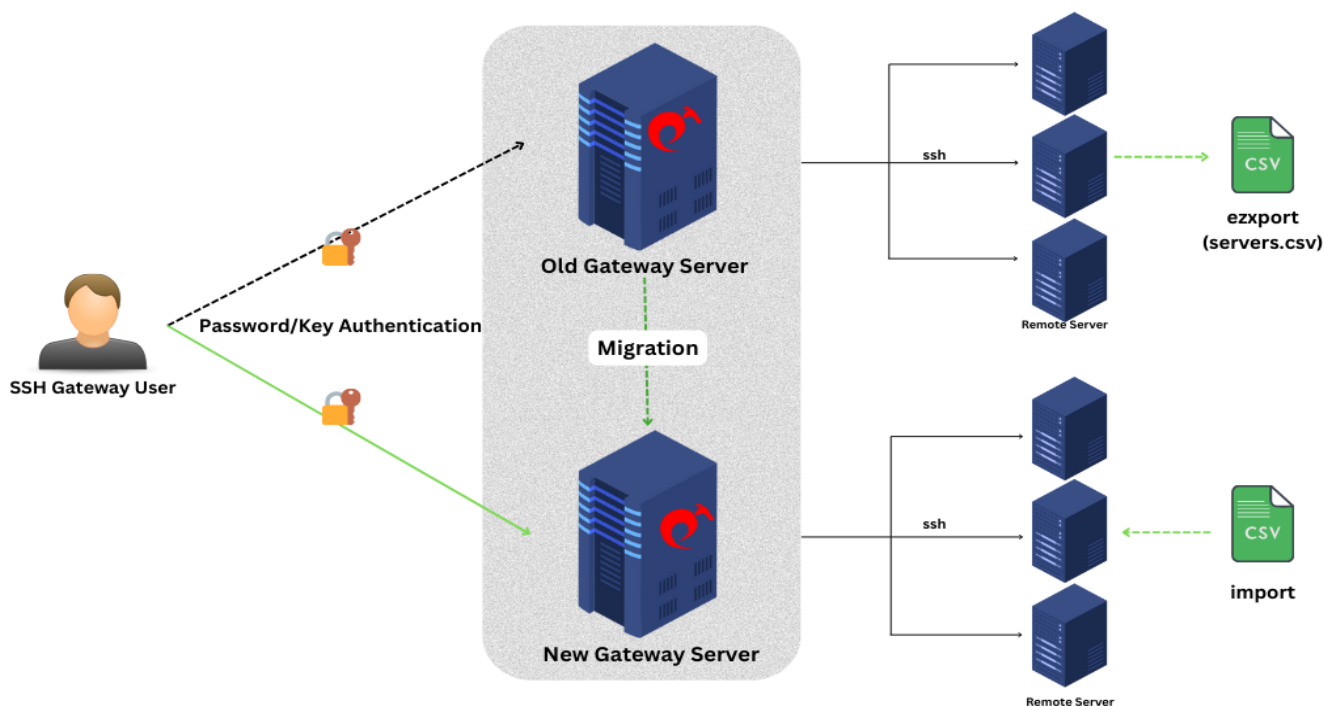


Migrate jump server installation from one server to another

31 admin September 2, 2024 [Migration & Maintenance](#) 9345

How to move the Ezeelogin bastion host from one server to another(MIGRATION)?

Overview: This article offers a step-by-step guide on how to migrate an Ezeelogin jump server from one server to another.



1. How do we migrate the Ezeelogin installation from one server to another?

Step 1(A): If you are using the **Ezeelogin** master-slave configuration, you should verify and confirm that the **database** is in **sync**.

Refer to this article to [verify database connectivity](#).

Step 1(B): Run the script `/usr/local/sbin/backup_ezlogin.php` on the current server to create the [backup](#) archive.

The backup archive would be created in `/var/ezlogin.xx.bin`

```
root@old_gateway_server:~# /usr/local/sbin/backup_ezlogin.php
root@old_gateway_server:~# ls /var/
```

```
ezlogin_backup_v7.27.6_b381_Sat_May_21_2022_14_33_28_UTC.bin
```

The contents in **users' home directories will not be backed up automatically.**

You will need to **manually transfer the contents, including the keys, to the new primary server.**

The directory `/var/log/ezlogin` stores the user SSH sessions that are recorded. This directory could run into a huge size (1GB >) which would cause the backup script to take a long to complete (The log directory has to be tarred and then gzip'ed compressed which is time-consuming and resource intensive). In such, cases it's advisable to skip the log directory while running the backup script as follows:

```
root@old_gateway_server:~# /usr/local/sbin/backup_ezlogin.php -nologs
```

After restoring a backup, you would need to copy or rsync `/var/log/ezlogin` directory to the new server.

```
root@old_gateway_server:~# rsync -rt /var/log/ezlogin/*
root@new_primary_ip:/var/log/ezlogin/
```

Step 1(C): Make sure that Ezeelogin's licensed **IP** is changed to a **new IP** from the [customer portal](#).

If you are using an owned license, then you can skip this step.

Step 1(D): Install the same dependencies. Make sure that the new server has the **same** versions of **PHP** and **MySQL** server, and also install the webserver, **PHP** modules, and [Ioncube](#).

Refer to this article to install the same versions in different OS: [Setup and Configure Jump Server](#).

Step 1(E): Move the **executable ezlogin.xx.bin** archive to the **new server**, and execute the `.bin` file.

```
root@old_gateway_server:~# scp
/var/ezlogin_backup_v7.27.6_b381_Sat_May_21_2022_14_33_28_UTC.bin

root@new_gateway_server_ip:/root/

root@new_gateway_server:~# sh ezlogin.xx.bin
```

- Follow the on-screen instructions and confirm everything is working in the new server such as (login to GUI, Ezsh shell, remote server, etc).

In case of any error, while restoring **check the restore log**. Refer to the below step to find the log.

```
root@new_gateway_server :~# tail /var/log/ezlogin_restore.log
```

Refer to this article to **fix the [PHP limit error](#)** while restoring.

2. How to restore slave/secondary installation?

We **don't** need to **migrate** and **restore** the **slave/secondary** node, as the master and slave nodes are **identical**. We can **install** a **slave** node identical to the master node.

Refer to this article to [install the slave node](#).

3. How to restore logs from the old slave server to the new slave server?

You can use the following steps to restore logs in the primary when you skip the log directory from the backup.

Step 3(A): Copy logs from the old slave server to the new slave. Run the below command on the **old slave server**.

```
root@old_secondary_server:~# rsync -rt /var/log/ezlogin/*  
root@new_slave_ip:/var/log/ezlogin
```

Step 3(B): Run the below script on the new slave server to **re-populate** SSH logs.

```
root@new_secondary_server:~# /usr/local/ezlogin/eztool.php  
-reimport_logs
```

Step 3(C): Click on the view icon on the new slave **Ezeelogin SSH log** from GUI to confirm log files have been copied and repopulated.

Refer to the screenshot below.

The screenshot displays the Ezeelogin web interface. On the left is a navigation menu with options like Servers, Web Portals, Users, Access Control, Settings, Cluster, Command Guard, Account, and Help. The 'Users' section is expanded, and 'SSH Log' is selected. The main content area features a search form with fields for User, Server, Log Type, From, To, and Rows Per Page. Below the search form is a table titled 'SSH logs' with columns: User, SSH User, Server, Log Type, Status, Encryption, Time, mExec ID, and Actions. The table contains several rows of log entries, all with a status of 'Ended'. A green box highlights the 'Find' button in the search form and the 'Actions' column header in the table.

<input type="checkbox"/>	User	SSH User	Server	Log Type	Status	Encryption	Time ↑	mExec ID	Actions
<input type="checkbox"/>	+ admin	root	deltaserver	output	Ended	0	2024-08-29 05:39:01		
<input type="checkbox"/>	+ admin	root	HorizonCloud	output	Ended	0	2024-08-29 05:38:50		
<input type="checkbox"/>	+ admin	root	Alphaserver	output	Ended	0	2024-08-29 05:38:37		
<input type="checkbox"/>	+ admin	root	deltaserver	output	Ended	0	2024-08-29 05:37:21		
<input type="checkbox"/>	+ admin	root	Alphaserver	output	Ended	0	2024-08-29 05:36:56		
<input type="checkbox"/>	+ admin	root	HorizonCloud	output	Ended	0	2024-08-29 05:36:24		
<input type="checkbox"/>	+ admin	root	Alphaserver	output	Ended	0	2024-08-29 05:31:35		

Contact [support](#) with any [error messages](#) you may have.

Related Articles:

[setup and configure the SSH jump server](#)

[Upgrade the Ezeelogin Jump server to the latest version](#)

[Restore ssh logs from the old Ezeelogin server to the new server](#)

Online URL:

<https://www.ezeelogin.com/kb/article/migrate-jump-server-installation-from-one-server-to-another-31.html>