

Upgrade Ezeelogin Jump server to the latest version

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Upgrade Ezeelogin jump server on Primary / Master Node

Follow the below steps to upgrade your existing version of Ezeelogin

1. Backup current Ezeelogin installation

Execute the following script on your server to generate a backup of your installation so that you can restore the backup in case the upgrade breaks.

Run [/usr/local/sbin/backup_ezlogin.php -help for the help menu.](#)

The directory `/var/log/ezlogin` stores the user ssh sessions that are recorded. This dir could run into huge size (1GB >) which would cause the `backup_ezlogin.php` script to take longer to complete (The SSH logs recorded have to be tar 'red and the gzip 'ed compressed which is time and resource intensive). In such, cases it's advisable to skip the ssh logs directory while running the `backup _ezlogin.php` script as follows so that a backup archive is created super quickly.

```
[root@primary_gateway ~]# /usr/local/sbin/backup_ezlogin.php -nologs
```

By default, the backup archives are created in `/var/` directory. To change the destination directory, use

```
[root@primary_gateway ~]#php /usr/local/sbin/backup_ezlogin.php -out /backup_directory/
```

This would create an executable archive of your Ezeelogin installation in `/var/ezlogin_backup_v6.2.0_b167_Fri_Mar_02_2012_04_23_22_CST.bin`

Execute the backup bin file to restore if something goes wrong and you would like to revert.

Ok, now that we have the backups ready, let's go ahead with the update on the primary node as follows, preferably in the screen

Check the `/var/log/ezlogin_backup.log` for any errors that occurred during the backup process.

2. Upgrading the Ezeelogin jump server

If you are upgrading from a lower version of Ezeelogin(Below Ezeelogin version 7.10.0), Refer to the section Running on an older version of Ezeelogin below

To upgrade Ezeelogin, download and run the latest version of the Ezeelogin setup file as follows.

You can download the latest version of Ezeelogin from the [billing portal](#).

Refer to the article if you are upgrading PHP. [Upgrading PHP along with the Ezeelogin upgrade](#)

Refer to the [article](#) if you get the error `ERROR db user: Incorrect datetime value: '0000-00-00 00:00:00' for column 'expiry' at row 1`

```
root@primary_gateway:~$ sh ezlogin_7.x.x.bin -- -update
```

Follow the onscreen prompts to complete the upgrade.

To upgrade in one step with your existing settings and without being prompted. Be ready with MySQL root password if not in `/root/.my.cnf`

`-dbuser <username>` : Specify database super (root) user name

`-dbspass <password>` : Specify database super (root) user password

```
[root@gateway~]# sh ezlogin_7.15.0._x_x.bin -- -dbuser <enter db (root)username> -dbspass  
<enter-_(root)db_password> -skipgeolite -auto -force -ACCEPT_SETTINGS  
-I_ACCEPT_EULA -update
```

To upgrade in one step and to prevent the backup_ezlogin.php script from generating a backup again. Be ready with MySQL root password if not in /root/.my.cnf

```
[root@gateway ~]# sh ezlogin_7.15.0._x_x.bin -- -dbuser <enter (root)db
username> -dbpass <enter (root)db_password> -skipgeolite -auto -force
-ACCEPT_SETTINGS -I_ACCEPT_EULA -skipbackup -update
```

Frequently occurring issues after the upgrade.

Refer [ezsh shell disallowed](#) article if you get the error on ssh to the upgraded ssh jump server.

Refer [No Two-factor Authentication enabled](#) article if you get the error while login into the web panel after the upgrade.

Refer [Could not load style files](#) while accessing Ezeelogin after the upgrade.

Refer [Integrate Ezeelogin with WAF\(Cloudflare\)](#) in case the error to login to Ezeelogin persists.

Refer [remote host identification changed](#) article to reset fingerprint on all remote servers.

Refer [remote host identification changed](#) article to reset the fingerprint of the gateway machine to add or edit users.

Refer [view/hide IP address](#) article to grant the privilege to view the IP of remote servers. (This feature is available from 7.29.2)

Refer [configure DUO](#) article if you get "invalid_grant" or "An Error Was Encountered" in Ezeelogin GUI.

Refer [your system folder path does not appear to be set correctly](#) article to correct the file permissions.

Refer [Error while logging into Ezeelogin GUI](#) article if get the login expired error in Ezeelogin software GUI

Check the `/var/log/ezlogin_update.log` for any errors that occurred during the upgrade.

If you are using WEBSSH, WEBRDP, OR EZPROXY on Webportal please enter the following command to update the node modules

```
root@jumpserver:~# php /usr/local/ezlogin/eztool.php -install_node_modules
```

Running on an older version of Ezeelogin? Refer to the following step to upgrade.

If you are running Version 5.x.x, you would first need to upgrade to Version 6.0.x before upgrading to Version 7.0.x.

- To upgrade to Version 6.0.x, download 6.0.0 and upgrade to Version 6.0.0 first.

http://downloads.ezeelogin.com/ezlogin_6.0.0.bin

- To upgrade to Version 7.0.x, download 7.0.x and upgrade

http://downloads.ezeelogin.com/ezlogin_7.0.0.bin

If you are already running Version 6. x.x, you would first need to upgrade to Version 7.0.x before upgrading to version 7.10.0

- To upgrade to Version 7.0.x, download

http://downloads.ezeelogin.com/ezlogin_7.0.0.bin

- Once you have upgraded to Version 7.0.0, download version 7.10.0 or the latest from the customer portal.

If you are running Version 7. x.x to the 7.9.x version, you would first need to upgrade to Version 7.10.0 before upgrading to the latest version

Make sure to download the binary package to /root

Ezeelogin 7.10.0 version can be downloaded from your [customer portal area](#).

If you are already running Version 7.10.x, you can upgrade to the latest version

[The latest version of Ezeelogin can be downloaded from the customer portal area](#)

Check out the latest system requirements

https://www.ezeelogin.com/user_manual/Systemrequirements.html

You are required to upgrade your Ioncube encoder to the latest version 6 and above. Refer to the following article to upgrade Ioncube to the latest.

[How do I install Ioncube on the server?](#)

It is recommended to have the secondary node configured and synchronized (cluster setup) to ensure that we can still log in to servers via the secondary node and not be locked out in the event of an unsuccessful upgrade.

[Install-slave-secondary-node-for-high-availability-in-jump-server](#)

Restoring the Ezeelogin jump server from backup

If something is broken after the upgrade, no worries. We will restore the backup from the archive that was created. You would first need to uninstall the current installation on the gateway. Run the following script to uninstall

Backup Ezeelogin configuration file directory and ssh logs before uninstall

```
cp /var/log/ezlogin var/log/ezlogin_backup
```

```
/usr/local/sbin/uninstall_ezlogin.php
```

Now that we have uninstalled it, we can go ahead and restore the binary backup archive that was created.

If you want to do the restore in one step with your existing settings and without being prompted.

```
root@primary_gateway:~sh
ezlogin_backup
_v7.9.0_b381_Wed_Feb_13_2019_23_26_03_IST.bin  --
-skipgeolite -auto -force -ACCEPT_SETTINGS -I_ACCEPT_EULA
```

Replace the **backup** filename with your **backup** file. Follow the onscreen prompts to complete the restoration.

Increase PHP memory in /etc/php.ini if backup restoration fails without any reason. Do check /var/log/ezlogin_restore.log for errors.

Refer to the [following article to restore ssh logs if you have skip logs while backup Ezeelogin.](#)

Upgrading Ezeelogin jump server on the Secondary Node

For Ezeelogin Version 7.23.0 and above

This option will support only from Ezeelogin version 7.23.0 and above.

You can upgrade secondary node with following command

```
root@secondary_gateway:~ sh ezlogin_7.x.x.bin -- -secondary  
<ip_adress of the secondary/slave node> -othernode  
<ip_address of master node> -update
```

You should upgrade the slave node only after upgrading the master node. If the slave node is once upgraded, you should need to upgrade the master before upgrading the slave node again.

To upgrade slave in one step with your existing settings and without being prompted. Be ready with MySQL root password if not in /root/.my.cnf

**-dbuser <username> : Specify database super (root) user name
-dbspass <password> : Specify database super (root) user password
-orport <port> : Specify the SSH port on the other node. Only applicable if installing as secondary.**

```
[root@gateway~]# sh ezlogin_7.15.0._x_x.bin -- -secondary <ip_adress of the secondary/slave  
node> -othernode <ip_address of master node> -dbuser <enter db (root)username> -dbspass  
<enter-_(root)db_password> -skipgeolite -orport <othernode_ssh_port> -auto -force  
-ACCEPT_SETTINGS -I_ACCEPT_EULA -update
```

To upgrade in one step and to prevent the backup_ezlogin.php script from generating a backup again. Be ready with MySQL root password if not in /root/.my.cnf

```
[root@gateway ~]# sh ezlogin_7.15.0._x_x.bin -- -secondary <ip_adress of the  
secondary/slave node> -othernode <ip_address of master node> -dbuser <enter db  
(root)username> -dbspass <enter-_(root)db_password> -skipgeolite -orport  
<othernode_ssh_port> -auto -force -ACCEPT_SETTINGS -I_ACCEPT_EULA  
-skipbackup -update
```

For Ezeelogin Version 7.22.0 and below

Unfortunately, the secondary nodes need to be re-installed for Ezeelogin version 7.22.0 and

below

- Backup Ezeelogin configuration file directory and ssh logs directory before uninstall

```
root@secondary_gateway:~# cp /usr/local/etc/ezlogin  
/usr/local/etc/ezlogin_backup  
  
root@secondary_gateway:~# cp /var/log/ezlogin  
/var/log/ezlogin_backup
```

- Uninstall Ezeelogin with the following command

```
root@secondary_gateway:~$  
/usr/local/sbin/uninstall_ezlogin.php
```

- Download the same package used for the primary

```
wget https://downloads.ezeelogin.com/ezlogin_7.x.x.bin
```

- Execute the following command

```
root@secondary_gateway:~#sh ezlogin_7.x.x.bin --  
-secondary <ip_adress of the secondary/slave node>  
-othernode <ip_address of master node>
```

Copy the lic.dat from the /usr/local/etc/ezlogin_backup to /usr/local/etc/ezlogin directory if you are using the standalone license. Also, copy tls_cert.pem and tls_key.pem to /usr/local/etc/ezlogin directory, if you are using webssh, ezproxy or webrdp feature

Refer to the following article to set up a secondary node.

[Install-slave-secondary-node-for-high-availability-in-jump-server](#)

Online URL:

<https://www.ezeelogin.com/kb/article/upgrade-ezeelogin-jump-server-to-the-latest-version-136.html>