

# Install Master/Slave Ezeelogin with MySQL SSL

516 Nesvin KN July 16, 2022 [Installation](#) 2592

## How to install master Ezeelogin with secure MySQL

Refer article to take a trial license and install dependencies according to the OS you are running.

<https://www.ezeelogin.com/kb/article/how-to-take-a-free-trial-455.html>

<https://www.ezeelogin.com/kb/article/setup-and-configure-ssh-jump-server-2.html>

1. Install Ezeelogin by running the installation script. Refer below example.

```
root@jumpserver:~# sh ezlogin_7.x.x.bin
```

2. Follow the prompt for installation. Type **I AGREE** and continue the installation.

You may be prompted to enter the missing settings. The default value will be given in bold. Simply pressing enter key will choose the default value.

You need to specify the document root here if it differs from the default or press enter to choose default.

If you need to access the Ezeelogin jump server web panel as `www.yourdomain.com` choose `" / "` & change your document root to `{your existing document root}/ezlogin`. For example ,If your document root is `/var/www/html` change to `/var/www/html/ezlogin` , else press enter to choose default

### Using remote database server for Ezeelogin database

Enter the hostname/IP address of the remote database server or use localhost, if you are going to run the database server on the current server.

### [How to configure Ezeelogin on AWS-RDS Remote Database?](#)

Grant connectivity to Ezeelogin server hostname/IP on the remote database server. This is not required if your MySQL server is running on localhost.

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'%' IDENTIFIED BY 'PASSWORD' WITH GRANT OPTION;
```

```
mysql> flush privileges;
```

Type **yes** and follow the below steps to install Ezeelogin with secure MySQL.

Enable this option to use MySQL SSL connectivity when using a cluster so that mysql communication between the primary and secondary gateways would be encrypted

Do you want to use secure MySQL connection (yes/no) ? ( **no** ): **yes**

Provide the path to the private key file in provided space and continue.

Provide the path to the public key file in provided space and continue.

Provide the path to the CA file in provided space and continue.

Continue with the default settings.

Type in Ezeelogin super admin username and password in the specific field or enter to install with default username and password.

Enter the ezlogin Administrator username (less than 21 chars).

This user should not exist on this system. It will be created.

admin user ( **ezadm118** ):

Enter the password for ezlogin Administrator.

admin password ( **}AkJy.%R3TQaX(P** ):

Enter the security code for ezlogin Administrator.

security code ( **FIyW6x7Lbz** ):

Continue with the default settings.

You can review the settings and continue to install Ezeelogin.

Login to MySQL as root and grant privileges for Ezeelogin database user.  
Refer below example.

Ezeelogin database username can be find out from below command.

```
grant all on ezlogin_databasename.* to  
'mysql_username'@'%' identified by 'password';
```

```
MariaDB [(none)]> flush privileges;
```

Login to MySQL as Ezeelogin database username and password with SSL and type s to confirm MySQL  
SSL is working.

```
mysql -u ezlogin_database_username -p -h hostname or ip --ssl-  
ca=/etc/certs/ca.pem --ssl-cert=/etc/certs/client-cert.pem --ssl-key=/etc/certs/client-key.pem
```

```
Enter password:
```

```
MariaDB [(none)]> s
```

-----

...

SSL: Cipher in use is DHE-RSA-AES256-SHA

...

Connection: 127.0.0.1 via TCP/IP

...

-----

SSL cipher is displayed, indicating that SSL is being used to secure our connection.

## How to install slave Ezeelogin with secure MySQL

Refer below article to install the secondary node.

<https://www.ezeelogin.com/kb/article/install-slave-secondary-node-for-high-availability-in-jump-server-21.html>

1. Install secondary Ezeelogin by running the installation script. Refer below example.

```
root@jumpserver:~# sh ezlogin_7.x.x.bin --  
-secondary slave_ip -othernode master_ip
```

2. Follow the prompt for installation. Type **I AGREE** and continue the installation.

Type "I AGREE" and press enter to accept the license:

You may be prompted to enter the missing settings. The default value will be given in bold. Simply pressing enter key will choose the default value.

Enter the path where web panel files should be installed.

This path should be accessible via a web browser.

The directory should not exist, but its parent directory should exist.

path to install web panel files ( **/var/www/html/ezlogin** ):

You need to specify the document root here if it differs from the default or press enter to choose default.

Enter the path where web panel system files should be installed.

This should be preferably outside the DocumentRoot (should not be accessible via web browser) for security reasons.

If `safe_mode` restriction is enabled, this path should be allowed for include with `safe_mode_include_dir`



The directory should not exist, but its parent directory should exist.

path to install web panel system files ( `/var/www/ezlogin` ):

If you need to access the Ezeelogin jump server web panel as `www.yourdomain.com` choose `" / "` & change your document root to `{your existing document root}/ezlogin`. For example ,If your document root is `/var/www/html` change to `/var/www/html/ezlogin` , else press enter to choose default

For example, if the DocumentRoot of `http://www.yourdomain.com/` is `/usr/local/apache/htdocs/yourdomain` and you specified `/usr/local/apache/htdocs/yourdomain/ezlogin` as path to install web panel, the web panel would be accessible as `http://www.yourdomain.com/ezlogin/`. In this case the REQUEST-URI would be `'/ezlogin/'`.

If you specified DocumentRoot itself as the path to install web panel files, it would be `''`

URI path to access the web panel ( `/ezlogin/` ):

### Using remote database server for Ezeelogin database

Enter the hostname/IP address of the remote database server or use localhost, if you are going to run the database server on the current server.

## How to configure Ezeelogin on AWS-RDS Remote Database?

If the MySQL server is running on this system itself, use 'localhost'

MySQL server ( **localhost** ):

port or path to unix socket used by the MySQL server.

MySQL port/socket ( **3306** ):

~~This is not required if your MySQL server is running on localhost database server.~~

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'%' IDENTIFIED BY 'PASSWORD'  
WITH GRANT OPTION;
```

```
mysql> flush privileges;
```

Enter the username with super user (root) privileges for the database server.

This is usually 'root', sometimes 'admin' etc.

MySQL super user ( **root** ):

Please enter the password for the database super user.

```
MySQL super user password:
```

Type **yes** and follow the below steps to install Ezeelogin with secure MySQL.

```
Enable this option to use MySQL SSL connectivity when using a
cluster so that mysql communication between the primary and
secondary gateways would be encrypted
```

```
Do you want to use secure MySQL connection (yes/no) ? ( no ): yes
```

Provide the path to the private key file in provided space and continue.

```
Path to the private key file for secure MySQL connection.
```

```
Path to the private key file (Press x to exit)
: /etc/certs/client-key.pem
```

Provide the path to the public key file in provided space and continue.

```
Path to the public key certificate file for secure MySQL
connection.
```

```
Path to the public key certificate file: /etc/certs/client-cert.pem
```

Provide the path to the CA file in provided space and continue.

Path to the certificate authority file for secure MySQL connection.

Path to the certificate authority file: `/etc/certs/ca.pem`

Path to a directory containing trusted CA certificates for secure MySQL connection.

Path to a directory containing trusted CA certificates: `/etc/certs/`

Continue with the default settings.

List of `*allowed*` ciphers to be used for the encryption, separated by colons (':')

Allowed ciphers (DHE-RSA-AES256-SHA):

Whether to verify the server certificate for secure MySQL connection (yes/no).

Verify the server certificate? (no):

Enter the super username of the master node and continue the installation.

Enter the port number of the master node and continue the installation. The default port number is 22.

Enter the password of the super admin user of the master node and continue the installation.

You can review the settings and continue to install Ezeelogin.

```
ezlogin seuegn  
ezlogin vntns  
wGP}[nFxX@A8
```

Login to MySQL as root and grant privileges for Ezeelogin database user. Refer below example.

Ezeelogin database username can be find out from below command.

```
root@secondary ~]# php /usr/local/ezlogin/eztool.php  
-show_db_credentials
```

```
MariaDB [(none)]> grant all on ezlogin_databasename.*  
to 'mysql_username'@'%' identified by 'password';
```

```
MariaDB [(none)]> flush privileges;
```

Refer article to troubleshoot and verify MySQL SSL in secondary node

<https://www.ezeelogin.com/kb/article/troubleshooting-mysql-ssl-in-secondary-node-517.html>

Refer articles to configure Ezeelogin to use SSL for MySQL

[How to configure Ezeelogin to use SSL for MySQL version 5.7?](#)

[How to configure Ezeelogin to use SSL for MySQL version 5.5?](#)

Online URL:

<https://www.ezeelogin.com/kb/article/install-master-slave-ezeelogin-with-mysql-ssl-516.html>