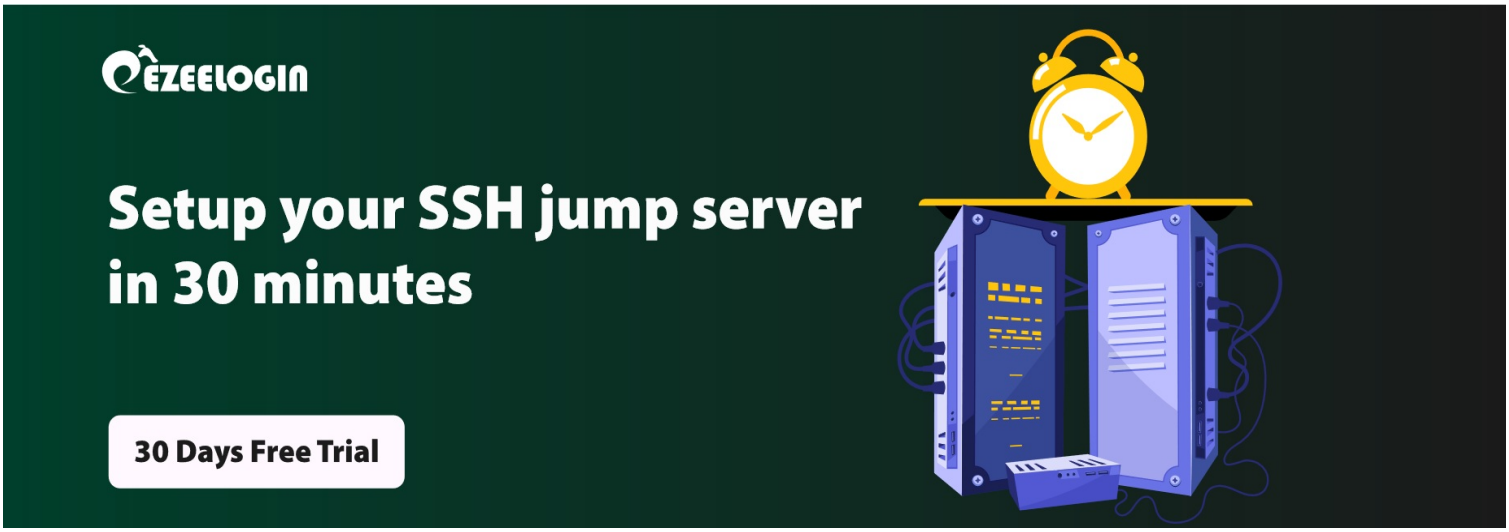
SSL Certificate failed with MySQL SSL

487 admin January 10, 2025 Common Errors & Troubleshooting 20644



Troubleshooting SSL Certificate Verification Failures in MySQL

Overview: This article provides guidance on troubleshooting SSL certificate verification failures in MySQL, covering certificate verification, SSL/TLS configuration, and credential validation.

Note: This operation can only be performed through backend (ezsh shell) with root access to the gateway server.

```
:~# mysql -u ezlogin_cxn -p -h 192.168.56.124 --ssl-ca=/etc/certs/ca.pem --ssl-cert=/etc/certs/client-cert.pem --ssl-key=/etc/certs/client-key.pem
Enter password:
ERROR 2026 (HY000): SSL connection error: error:14090086:SSL routines:ssl3_get_server_certificate:certificate verify failed
```

Step 1. If you are getting the above error check and verify the generated certificates by the following command:

```
[root@gateway ~]# openssl verify -CAfile ca.pem server-cert.pem client-cert.pem
server-cert.pem: OK
client-cert.pem: OK
```

Step 2. Make sure that the **Common Name value** used for the server and client certificates/keys should differ from the Common Name value used for the CA Certificate.

Step 3. Check the state of the SSL/TLS variables by typing:

```
mysql> SHOW VARIABLES LIKE '%ssl%';

Output
+---------------+----------------+
| Variable_name | Value          |
+---------------+----------------+
| have_openssl  | YES            |
| have_ssl      | YES            |
| ssl_ca        | Ca.pem         |
| ssl_capath    |                |
| ssl_cert      | server-cert.pem|
| ssl_cipher    |                |
```

```
| ssl_crl       |               |
| ssl_crlpath   |               |
| ssl_key       | server-key.pem |
+---------------+----------------+
9 rows in set (0.01 sec)
```

Step 4. Make sure that you have used your Ezeelogin database username, hostname, and password in the below command:

```
:~# mysql -u ezlogin_xxxx -p -h 10.11.1.11 --ssl-ca=/etc/certs/ca.pem --ssl-cert=/etc/certs/client-cert.pem --ssl-key=/etc/certs/client-key.pem
```

Replace **ezlogin_xxxx** with your Ezeelogin database username.
Ezeelogin database credentials such as db_name, db_username & db_password will be displayed on installation screen[reviewsettings]) or you can refer the **article to retrieve Ezeelogin database credentials.**

Related Articles:

Troubleshooting MYSQL SSL in slave node.

Install Ezeelogin with Mysql SSL.

Basic Mysql commands to troubleshoot database-related issues.

Online URL: https://www.ezeelogin.com/kb/article/ssl-certificate-failed-with-mysql-ssl-487.html