SSL Certificate failed with MySQL SSL

487 admin January 10, 2025 Common Errors & Troubleshooting 14297



Troubleshooting SSL Certificate Verification Failures in MySQL

<u>Overview</u>: 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