

Title: Hive JDBC SSL Handshake Timeout

Issue Summary:

When connecting to HiveServer2 using JDBC with SSL enabled, the client fails to complete the handshake process.

Error Message:

`javax.net.ssl.SSLHandshakeException: Remote host terminated the handshake`

Possible Causes:

- HiveServer2 SSL certificate is invalid or expired.
- Client truststore does not include the CA certificate.
- Network firewall is blocking SSL traffic on port 10000.

Recommended Steps:

1. Verify that HiveServer2 is running with `'hive.server2.use.SSL=true'`.
2. Confirm that the server certificate is valid (check expiry date).
3. Check if the client's truststore contains the correct CA.
4. Run `'openssl s_client -connect host:10000'` to debug SSL layer.
5. Look into Hive logs (`'/var/log/hive'`) for handshake errors.

Tags:

hive, jdbc, ssl, handshake, truststore, troubleshooting