

# Postgres JDBC Driver error for versions 42.2.15 and higher

Last updated by | Lisa Liu | Nov 6, 2020 at 10:33 AM PST

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We received some cases related to connectivity issue to Azure database for PostgreSQL , the customer on these cases are using a JDBC drivers with version 42.2.15 and higher , client error message similar to this :

org.postgresql.util.PSQLException: The connection attempt failed.

at org.apache.coyote.AbstractProtocol\$AbstractConnectionHandler.process(AbstractProtocol.java:637)

at org.apache.tomcat.util.net.JIoEndpoint\$SocketProcessor.run(JIoEndpoint.java:317)

at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)

at java.util.concurrent.ThreadPoolExecutor\$Worker.run(Unknown Source)

at org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run(TaskThread.java:61)

at java.lang.Thread.run(Unknown Source)

Caused by: java.io.EOFException


at org.postgresql.core.PGStream.receiveChar(PGStream.java:443)

at org.postgresql.core.v3.ConnectionFactoryImpl.enableGSSEncrypted(ConnectionFactoryImpl.java:436)

at org.postgresql.core.v3.ConnectionFactoryImpl.tryConnect(ConnectionFactoryImpl.java:144)

at org.postgresql.core.v3.ConnectionFactoryImpl.openConnectionImpl(ConnectionFactoryImpl.java:213)

... 33 more

**Issue:** Newer client libraries that include Postgres 12 client updates (<https://jdbc.postgresql.org/> ) encounter connection failures when attempting to connect to Azure Database for PostgreSQL – Single Server.

**Root cause:** The PostgreSQL 12 client update includes a new GSSAPI negotiation packet. The Azure Database for PostgreSQL – Single Server gateways need to be updated to correctly handle this new negotiation. Today the new negotiation packet is interpreted as an unexpected byte sequence and the connection attempt is terminated.

**Mitigation:** Add the property gssEncMode=disable to your connection string. If the connection string cannot be updated, you would have to use a previous version of your client to connect.

**Resolution:** We will update our Gateways to correctly handle the GSSAPI negotiation and the fix will be in the next GW rollout by end of Nov .

Reference: <https://github.com/pgjdbc/pgjdbc/issues/1868> 

**How good have you found this content?**



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