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Db2 sql errorcode=-4470 sqlstate=08003

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Hi, we are seeing JBDC connection issues on our servers whenever DB was brought down. Connections were not able to re connect the DB is back up. we are on windows, every weekly either DB were patched and windows servers were patched. we have connections- SQL, Oracle, DB& DB2400, sometimes all the connections fail throwing the below error. "Invalid operation: Connection is closed. ERRORCODE=-4470, SQLSTATE=08003" If we restart the connection, everything works fine. Please suggest. Thanks Prasad I am guessing some issues with the DB drivers.

Do you see any attempts to reconnect in the server log? If you do see, then the issue is with the drivers.

Otherwise, please file a support ticket.

please set min connection as 0. there has some fake connection store in pool when db is down if you set min connection to some number. Did you try this? min connection to 0 What is the target db Oracle or MS SQL? 1 Like I was connecting to DB2 and got similar error. Connection, minimum pool size=0 this solution worked 2015-10-14 16:35:43.397+0200 Exception while getting expired missing entities com.ibm.tpc.discovery.RemoveMissingUtils getExpiredMissingEntities NAPIEventPostProcessThread_xxxxxxxx-162912 2015-10-14 16:35:43.397+0200 com.ibm.db2.jcc.SqlNonTransientConnectionException: [jcc][t4][10335][10366][3.65.77] Invalid operation: Connection is closed.

ERRORCODE=-4470, SQLSTATE=08003 Fabric Probe log shows: 2015-10-14 16:16:14.836+0200 java.lang.NullPointerException at com.ibm.tpc.fabric.collection.ProbeFabricZoningProcess.process(P robeFabricZoningProcess.java:257) at com.ibm.tpc.Router.perform(Router.java:1111) at com.ibm.tpc.Router.perform(Router.java:612) at com.ibm.tpc.discovery.ProcessProcessor.process(ProcessProcessor.

java:71) at com.ibm.tpc.infrastructure.threads.TPCThread.run(TPCThread.java: 259) com.ibm.tpc.Router perform *** * USERS AFFECTED: * * TPC 5.2.7 * ** * PROBLEM DESCRIPTION: * * When the DB2 fails, the Fabric probe for Zoning fails with * * NullPointerException. * ** * RECOMMENDATION: * * Apply fix maintenance when available. * *** Fixed the NullPointerException in 5.2.8. The fix for this APAR is targeted for the following maintenance package: | refresh pack | 5.2-TIV-TPC-RP0008 - target December 2015 The target dates for future refresh packs do not represent a formal commitment by IBM. The dates are subject to change without notice. IT11822 TPC 5608TPC00 527 CLOSED PER NoPE NoHIPER NoSpecatt / Xsystem 2015-10-22 2015-11-17 2017-11-03 [{"Line of Business": {"code":"LOB26","label":"Storage"},"Business Unit":{"code":"BU058","label":"IBM Infrastructure w\/TPS"},"Product":{"code":"SS5R93","label":"IBM Spectrum Control"},"Platform":[{"code":"PF025","label":"Platform Independent"}],"Version":"527"}] Why are we getting the following (and attached) exception in our production logs : Caused by: com.ibm.db2.jcc.am.SqlNonTransientConnectionException: [jcc][t4][10335][10366][4.15.82] Invalid operation: Connection is closed.

ERRORCODE=-4470, SQLSTATE=08003 at com.ibm.db2.jcc.am.fd.a(fd.java:686)[277:wrap_mvn_com.ibm_db2jcc4_4.15.82:0 Following is the data source configuration Following is the persistence unit config : Persistence unit for the Test service org.apache.openjpa.persistence.PersistenceProviderImpl osgi:service/javax.sql.DataSource/(osgi.jndi.service.name=jdbc/DataSource) test.TestEntity true What could be the reason of ERRORCODE=-4470 while calling next() or getXXX() in JCC program? ERRORCODE=-4470 indicates the ResultSet object is closed explicitly or implicitly. As long as the ResultSet object is closed, you will receive this error when calling next() or getXXX() against it: Invalid operation: result set is closed. ERRORCODE=-4470, SQLSTATE=nullA ResultSet can be explicitly closed by calling its close() API. A ResultSet can be implicitly closed in different ways, these ways can be but not limited to: 1. All rows in it are fetched when queryCloseImplicit is set YES; Note: By default queryCloseImplicit is YES for a Db2 LUW database, YES means "Close cursors immediately after all rows are fetched"; Usually setting allowNextOnExhaustedResultSet to YES should can avoid this error if it is this case.

2. Transaction is closed when resultSetHoldability is 2. Note: By default resultSetHoldability is 1 - cursors remain open after a commit operation for a Db2 LUW database if it is not XA transaction, if the application is running XA transactions, the default setting is 2 - cursors are closed after a commit operation. 3.

The corresponding statement is closed. You can collect a JCC trace to determinate why the ResultSet object is closed before calling next() / getXXX(). [{"Product":{"code":"SSEPGG","label":"Db2 for Linux, UNIX and Windows"},"Business Unit":{"code":"BU058","label":"IBM Infrastructure w\/TPS"},"Component":"Programming Interface - JCC","Platform":[{"code":"PF002","label":"AIX"},{"code":"PF016","label":"Linux"},{"code":"PF033","label":"Windows"}],"Version":"10.5;11.1","Edition":"","Line of Business":{"code":"LOB10","label":"Data and AI"}}]