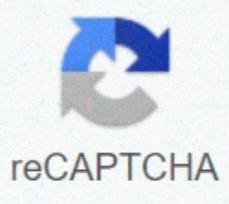




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Errorcode=-4499 sqlstate=58009 db2 iuw

This happens when hibernation tries to select data from one large table (More than 6 jump entries and 320 columns) with 6 million entries in 320 columns seems huge to read through hibernation at a time. How did you try to create a database cursor and stream a record at the same time? Normal JDBC is made as follows Statement stmt=conn.createStatement(java.sql.ResultSet.TYPE_FORWARD_ONLY, java.sql.ResultSet.CONCUR_READ_ONLY); stmt.setFetchSize(50); Bring only 50 records at a time while hibernate you would need to below code query = session.createQuery(query); query.setReadOnly(true); query.setFetchSize(50); Scroll results = query.scroll(ScrollMode.FORWARD_ONLY); Iteridea over the results if (results.next()) { Object line = results.get(); // process line, then release the reference // you may need to rinse () as well as } results.close(); This allows you to stream over the result set, but hibernate still cache the results of the Session, so you have to call session.flush() every so often. If you only read data, you may want to consider using statelessSession, although you should read its documentation in advance. Analyze the effect of locking a database table when using this method. Interpret the Java driver's general connectivity error .4499 connectivity error. This technology offers symptoms of -4499 caused by external network problems outside the JDBC driver and similar technical services to SOL30081 (non-Java clients) This technote does not include SSL errors. Check the DB2 server db2diag.log to confirm whether there is an SSLGSKit error when the -4499 JDBC driver was returned. Overall, the JDBC driver returns -4499 with some text. A communication error occurred during the socket, socket input flow, or socket output flow operations that under which the connection is based. Error location: Reply.fill() - Insufficient data (-1). Message: xxxxxxxxxxxx ERRORCODE =-4499, SQLSTATE = 08001 '(A) Networking This includes client software network stack (i.e. TCP/IP values), network equipment (firewall, routers, etc...) and server software network stack. According to the covers, Java calls the operating system socket Application Programming interfaces and wraps all bugs ERRORCODE = -4499. Check the logs for your firewall or network device. Otherwise, network devices may occasionally drop packages. Check the operating system logs. Linux: /var/log/messages Windows: Windows Event Viewer logs UNIX: Check the operating system documentation to determine where the logs are. (A.1) Message: Connection timed out for TCP/IP timeout. The root cause is outside the DB2 control. Start your network administrator to collect network traces from both the client and the server to find the root cause. Verify that the JDBC driver property blockingreadconnectionTimeout is not set. JDBC Driver Properties (A.2) message: The connection refused the Run netstat -an command to make sure that there is a program listening to DB2 Server. Make sure that the DB2 server has been started. db2set db2zcomm=tcpp db2 update dbm cfg using svccname 60000 db2stop db2start (A.3) Message: Broken pipe network connection problem between JDBC driver and DB2 server. You may experience if the firewall closes the connection because the idle threshold has been exceeded. Root cause outside DB2 control. Start your network administrator to collect network traces from both the client and the server to find the root cause. (A.4) Message: The connection reset connection was closed at the other end. It can be any network device between the JDBC driver and the server. May include the server itself. Root cause outside DB2 control. Start your network administrator to collect network traces from both the client and the server to find the root cause. (A.5) Message: Read scheduled This message is returned when the client waits for a response from the server and the server did not respond in time. May be caused by a customer timeout. Make sure that the JDBC driver properties do not specify timeouts that blockReadConnectionTimeout=0 (default) commandTimeout=0 (default) loginTimeout=0 (default) May also be caused by server or network issues. (B) Port conflict Use the netstat command to determine whether there is another program listening to the port by DB2. Try to change the DB2 port number to another port number db2 update dbm cfg using svccname 60000 db2stop db2start (C) Microsoft Windows Message: No buffer space available (maximum connections achieved?) Exception java.net.SocketException: Error opening socket server /xxx.xx.xx.xx port with 50 000 message: Buffer space available (maximum connection achieved?); connect View technote DB2 JCC exception -4499. Buffer space available (maximum connection is reached?) (D) Drda syntax error received due to a distribution protocol error that caused the conversation dese allocation. A DRDA data flow syntax error was detected Vt technician FAQ: JDBC driver data stream syntax error useful tools and reference windows: netstat -anb (requires administrator privileges to display port-related program) www.wireshark.org (display network trace from multiple operating systems) Linux: netstat -anp (requires root display of PID-related port) tcptrace (network trace) UNIX: Check the operating system documentation for setting the connectivity issue This document is old but provides valid troubleshooting instructions. The PCTT utility is still included with db2 v10.5. {{Product:{code:SSEPGG,label:DB2 for Linux-UNIX and Windows},Business Unit:{code:BU033,Label:Cloud & Data & Platform},Component:Connectivity - TCP/IP Protocol,Platform:{code:PF002,label:AIX},{code:PF010,label:HP-UX},{code:PF016,label:Linux},{code:PF027,label:Solaris},{code:PF033,label:Windows}},Version:9.7.9.5.10.1:10.5.11.1.Edition:,Business line:{code:LOB10,label:Data and AI}}} Welcome Login Login Or submit a new ticket Start a new topic [This topic has migrated to our old forums. Original author name removed] We try to test some things against DB2 in z/OS (V9 z/OS 1.9). When we try to connect z/OSRoger, we receive An error occurred while connecting: A long message: [cc][4][2048][11280][3.57.82] Execution failed due to a distribution protocol error that caused the conversation deallocation. A DRDA chat protocol error was detected. Reason: 0x245. ERRORCODE=-4499, SQLSTATE=58009 Details: Type: com.ibm.db2.jcc.am.Error Code: -4499 SQL Status: 58009 This sees the server, and you see the error, and you see the error in db2 logs z/OS: STC03477 DSNL0321 -DB9G DSNLZDJN DRDA EXCEPTION CONDITION 951 REQUEST LOCATION= ::168.100.201.95 THREAD LUWID = USASDV02_dab9GLU1_C783AA46409=0 REASON=00D35922 ERROR ID=DSNLZPA003C IFCID=0191 Some (many, many) googling/reading indicates that we need some license file, db2jcc_license_cisuz.jar, but no sign of how to get it. Ideas? Are we completely lost here? Thanks in advance. 6 CommentsOldest FirstPopularNewest FirstSorted by Oldest First [This response has been migrated to our old forums. Original author name has been removed] Re: Error code: -4499/SQL State: 58009 when connecting z/OSOK, answered my own question: we're missing [db2jcc_license_cisuz.jar]. But I don't know how we're going to get it. Someone? Bueller, what are you doing? [This response has been migrated to our old forums. Original author name has been removed] Re: Error code: -4499/SQL State: 58009 Connecting z/OSI should add that we do not suspect this, but the error we were getting probably did not make it clear. It turns out if you have the wrong database name and the wrong port (we had 5021 instead of 446), you get that strange error, yes. I know... But we didn't create a system, we tried to turn around engineering things using stone knives and bearskins! [This response has migrated to our old forums.] Re: Error Code: -4499/SQL State: 58009 when connecting z/OSPhil, I agree that the messages are somewhat not explained ... They are only produced by the DB2 driver. Just to make sure at what point you are: has it been resolved or is there any other problems? Best regards Roger Ps. I hope the bear was dead before you start working on the DbVisualizer :] [This response has migrated to our old forums. Original author name removed] Re: Error code: -4499/SQL State: 58009 Connecting z/OSRoger, Thank you, yes, we are convinced that we have overcome this issue. Now we try to bind packages, but it is not a DB2is issue! If only we set up this system, we'd know more about what we're doing. (Ans isn't this case too often? Some documents what they have done no more ...) [This response has migrated to our old forums. Original author name removed] Re: Error code: -4499/SQL State: 58009 z/OSPhil, I can download an error Test connection operation failed in the data source marsdb2ds1 server1 at node mavz14076etNode02 with the following exception: java.sql.SQLException: Execution failed due to a distribution protocol error that caused deallocation conversation. A DRDA chat protocol error was detected. Reason: 0x1245. ERRORCODE=-4499, SQL Status: 58009, Error Code: -4499. See the JVM logs for additional details.** As you said in the last db2jcc_license_cisuz.jar update solves this problem. Can you please explain here how you fix (How to install the above jar), I use the Integrated Solution Console Regards Anbarasan [This response has been migrated to our old forums.] Re: Error Code: -4499/SQL State: 58009 when connecting z/OSAnbarasan, As installing the db2jcc_license_cisuz.jar file just opens Tools->Driver Manager, locate the driver definition that you are using and select it. Then, on the User Defined tab, load the jar file. Close the driver manager and connect. Regarding Roger Home Solutions Forums our production application changed to a strange error db2: caused by: com.ibm.websphere.ce.cm.staleconnectionexception: [cc][4][2055][11259][4.13.80] database manager can not accept new requests, have completed applications in progress, or have completed a specific application due to an error or force interruption. errorcode=-4499, sqlstate=58009 this occurs when hibernation tries to select data from 1 large table (more 6 millions entries , 320 columns). If the results are smaller than 10 elements, hibernation successfully selects. our architecture: spring 4.0.3 hibernate 4.3.5 db2 v10 zios websphere 7.0.0.31 (with jdbc v9.7p5) this option works when attempting to fill the studio data or when the app started local tomcat (connected production data source), assume that the data source on the Web is not correctly configured, tried changes without results, tried to update jdbc driver did not help, get errorcode = -1244. Okay, I'm looking for :). additional information may be provided, if necessary, maybe fought earlier problem? thanks in advance! this happens when hibernation tries to select data from 1 large table (more 6 millions entries , 320 columns) 6 million records in 320 columns seems a huge read @ once through hibernation. how tried to create a database cursor , streaming little entries @ time? normal jdbc do as follows statement strit = conn.createStatement([java.sql.Statement.TYPE_FORWARD_ONLY, java.sql.ResultSet.CONCUR_READ_ONLY]; stmt.setFetchSize(50); Bring 50 records @ time while hibernate needed to download code query = session.createQuery(query); query.setReadonly(true); query.setFetchSize(50); scroll results = query.scroll(ScrollMode.FORWARD_ONLY); (results.next()) { Object line = results.get(); // process line, then release the reference // you may need to rinse () as well as } results.close(); it allows a stream of results, hibernation still results during the session, you need a call session.flush() every time. if you read the data, you may consider using statelessession, although you should read the documentation in advance. analyze the effect of database table locking when using the approach. Approach.

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