**SUMMARY**

A concurrency bug in MySQL-JDBC-5.1.11

**DETAILS**

Some details can also be found at: <https://bugs.mysql.com/bug.php?id=24721>

This bug is due to a data race.

Thread1이 cancel()을 수행중에 thread2가 close()를 호출하면 this.connection이 null이 되면서 cancel 함수에서 오류가 발생할 수 있다.

|  |  |
| --- | --- |
| Thread1 (StatementImpl.java) | Thread2 (StatementImple.java) |
| public void cancel() throws SQLException {  ..  try {  cancelConn = this.connection.duplicate();  …  }  } | protected synchronized void realClose(boolean calledExplicitly, boolean closeOpenResults)  throws SQLException {  this.connection = null;  } |
| 0-lock | 1-lock |