

Callablestatement.execute() and clearParameter() causing exception

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.jdbcdriver/2006-02/msg00032.html>

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With SQL 2005 jdbc driver i connect to 2005 database using parameter selectMethod=cursor.

```
//The procedure generates an id(long) and returns it.It also inserts
id and name into a table
cstmt = conn.prepareCall("{ call test.testprocedure(?,?)}");
cstmt.registerOutParameter(1, Types.INTEGER);
cstmt.setLong(1,0);
cstmt.setString(2, "testname");
System.out.println(cst.toString());
cstmt.execute();
id=cstmt.getLong(1);
Throws the error,
com.microsoft.sqlserver.jdbc.SQLServerException: A server cursor cannot be
opene
d on the given statement or statements. Use a default result set or client
curso
r.
at
com.microsoft.sqlserver.jdbc.SQLServerException.makeFromDatabaseError
(Unknown Source)
at com.microsoft.sqlserver.jdbc.IOBuffer.processPackets(Unknown
Source)
at
com.microsoft.sqlserver.jdbc.SQLServerStatement.sendExecute(Unknown S
ource)
at com.microsoft.sqlserver.jdbc.SQLServerStatement.doExecute(Unknown
Sou
rce)
at
com.microsoft.sqlserver.jdbc.SQLServerPreparedStatement.execute(Unkno
wn Source)
at t.test(t.java:54)
at t.main(t.java:105)
```

The same code when run against a MSSQL 2000 database, gives this error:
com.microsoft.sqlserver.jdbc.SQLServerException: A server cursor is not

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allowed

on a remote stored procedure or stored procedure with more than one SELECT statement. Use a default result set or client cursor.

at

com.microsoft.sqlserver.jdbc.SQLServerException.makeFromDatabaseError
(Unknown Source)

at com.microsoft.sqlserver.jdbc.IOBuffer.processPackets(Unknown
Source)

at

com.microsoft.sqlserver.jdbc.SQLServerStatement.sendExecute(Unknown S
ource)

at com.microsoft.sqlserver.jdbc.SQLServerStatement.doExecute(Unknown
Sou

rc)

at

com.microsoft.sqlserver.jdbc.SQLServerPreparedStatement.execute(Unkno
wn Source)

at t.test(t.java:50)

at t.main(t.java:64)

When i connect using selectMethod=direct(the default), the execution goes through. Also

when i do it as pstmt.executeUpdate(), it goes through.

Another bug i face is when pstmt.clearParameters() is given after
conn.prepareCall, i get

a null pointer exception in pstmt.getLong(1);

The same code used to work fine with MSSQL 2000 jdbc drivers without
any of these changes.

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