Apache Derby Guide

### **Set Environment variables**

DERBY\_INSTALL

C:\ApacheDerby

CLASSPATH

%DERBY\_INSTALL%\lib\derbytools.jar;%DERBY\_INSTALL%\lib\derbynet.jar;%DERBY\_INSTALL%\lib\derbyclient.jar;

### **Edit config files**

(as far as I know by time of writing 08.03.2020)

Guide and config files were verified by install from zero on 25-08-2020

1. Server.policy file
   1. Located in {derby\_install\_directory}/demo/templates/server.policy
2. Java.policy file
   1. Located in {jre\_install\_directory} (NOT IN JDK install directory)/lib/security/java.policy

### **Run Database Server Instance**

1. open cmd line(you don't have to be admin).
2. Start server by issuing following command

java -Djava.security.manager -Djava.security.policy=C:/dbDerby/demo/templates/server.policy org.apache.derby.drda.NetworkServerControl start -h **localhost**

### **Run Client connection from cmd**

1. Open another cmd
2. Run client from cmd by issuing following command:

java org.apache.derby.tools.ij

1. Connect to a database MyDbTest (if it does not exist create it):

connect 'jdbc:derby://**localhost**:1527/C:/dbDerby/demo/databases/MyDbTest;create=true';

**Exit ij console**

1. If you connected to server:

disconnect;

exit;

1. If you not connected to server:

exit;

**In SQuirell client**

if you see following error message

ERROR: see the next exception for details.::SQLSTATE: XBM0W

1. Check environmental variables
2. Start client from cmd line