HOW TO SETUP HIVE 3.1.2 ON WINDOWS 10

- 1. Download the Hive binary from the following url: https://ftp.itu.edu.tr/Mirror/Apache/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz
- 2. Extract the apache-hive-3.1.2-bin.tar.gz to C:\opt
- 3. Download the Apache Derby binary from the following url: https://kozyatagi.mirror.guzel.net.tr/apache/db/derby/db-derby-10.14.2.0/db-derby-10.14.2.0bin.zip
- 4. Extract the db-derby-10.14.2.0-bin.zip to C:\opt
- 5. Edit the following Hive configuration file with the following given content:

```
hive-site.xml
<?xml version="1.0"?>
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<configuration>
       cproperty>
               <name>javax.jdo.option.ConnectionURL</name>
               <value>jdbc:derby://localhost:1527/metastore_db;create=true</value>
               <description>JDBC connect string for a JDBC metastore</description>
       </property>
       cproperty>
               <name>javax.jdo.option.ConnectionDriverName</name>
               <value>org.apache.derby.jdbc.ClientDriver</value>
               <description>Driver class name for a JDBC metastore</description>
       </property>
       cproperty>
               <name>hive.server2.enable.doAs</name>
               <description>Enable user impersonation for HiveServer2</description>
               <value>true</value>
       </property>
       cproperty>
               <name>hive.server2.authentication</name>
               <value>NONE</value>
       </property>
       cproperty>
               <name>datanucleus.autoCreateTables</name>
               <value>True</value>
       </property>
</configuration>
```

- 6. Copy all the jar files from c:\opt\db-derby-10.14.2.0\lib to d:\opt\apache $hive-3.1.2\lib$
- Remove the file c:\opt\apache-hive-3.1.2\lib\guava-19.0.jar
- 8. Copy the file c:\opt\hadoop-3.2.2\share\hadoop\common\lib\quava-27.0jre.jar to the folder c:\opt\apache-hive-3.1.2\lib
- 9. Run the following two commands on the windows command line

```
mkdir c:\cygdrive
mklink /J c:\cygdrive\c\ c:\
```









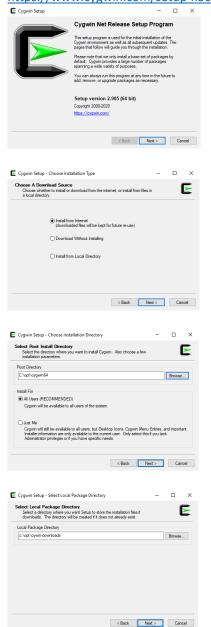


10. Start the Apache Derby server

cd c:\opt\db-derby-10.14.2.0
start bin\startNetworkServer -h 0.0.0.0

11. Install Cygwin (https://www.cygwin.com) using the following installer:

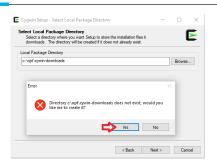
https://www.cygwin.com/setup-x86 64.exe

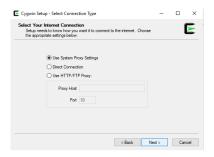


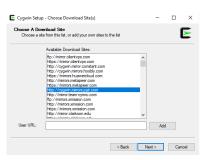


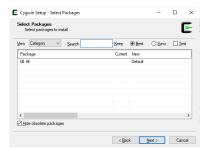


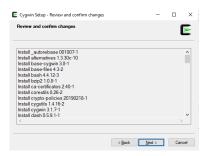




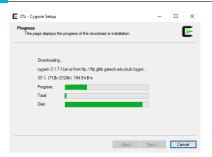




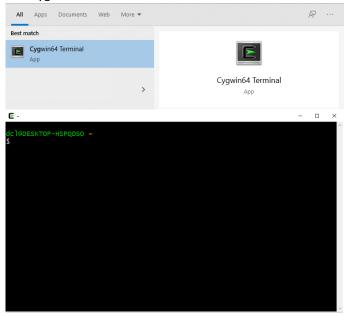








12. Run Cygwin Terminal



13. Set the following environment variables at the Cygwin Terminal:

```
export HADOOP HOME='/cygdrive/c/opt/hadoop-3.2.2'
```

export JAVA HOME='/cygdrive/c/opt/jdk1.8.0 241'

export HIVE HOME='/cygdrive/c/opt/apache-hive-3.1.2'

export PATH=\$PATH:\$HADOOP HOME/bin

export PATH=\$PATH:\$HIVE HOME/bin

export HADOOP CLASSPATH=\$HADOOP CLASSPATH:\$HIVE HOME/lib/*.jar

14. Create the schemas in Apache Derby for Apache Hive at the Cygwin Terminal:

schematool -initSchema -dbType derby

15. Run hive service at the Cygwin Terminal

hive --service metastore

16. Run hive client at the Cygwin Terminal hive











