**Pre-requisite: Link to enable ACID and LLAP in Hortonworks HDP 2.6**

Download and install Hortonworks HDP 2.6. Preconfigure the VM as below:

<https://hortonworks.com/tutorial/interactive-sql-on-hadoop-with-hive-llap/>

Note: This is an important step as you will be connecting the SQL Workbench to Hive Server 2 (Port 10500).

*If you want to skip this step, simply use port 10000 on SQL Workbench (Hive Server 1)*

**How to setup SQL Workbench with Hortonworks HDP 2.6 (Hadoop)**

Prerequisite:

* Download and install WinSCP from here: <https://winscp.net/eng/download.php>
* Installed Hortonworks HDP 2.6 with ACID and LLAP enabled (recommended)
* Download and extract SQL Workbench from here: <http://www.sql-workbench.net/>
* Edit the ‘hosts’ file under Windows/System32/drivers/etc and add 127.0.0.1 as ‘sandbox.hortonworks.com’ (Open/run as administrator)
* Change the Hortonworks root password. To do this, login to the sandbox as root/hadoop (username/password) and you will be prompted to change your password.

Once you have done the above, you will first need to configure and connect WinSCP to Hive. You need this software to move files easily from the VM to the local machine.

* Ensure you have started the Hortonworks VM
* Open WinSCP, you should see the login window
* Login as root by entering the following detail:

1. File Protocol: SFTP
2. Host Name: sandbox.hortonworks.com
3. Port Number: 2222
4. User Name: root
5. Password: <your newly assigned password>

Within the WinSCP, on the right side of the program, navigate to the location of the .jar file. You need to copy Hadoop and Hive .jar files from Hortonworks VM to your local Windows machine.

For the Hadoop jar files:

* From /root, double click on “…”
* You should now be on “/”. Navigate to /usr/hdp/current/hadoop-client
* Copy all the jar file within that folder. You do not need to copy other folders; jar files are enough. You can use shift/ctrl to select all the jar and simply drag to your preferred folder in Windows on the left side of the WinSCP

For the Hive jar files:

* From /root, double click on “…”
* You should now be on “/”. Navigate to /usr/hdp/current/hive-client/lib
* Copy all the jar file within that folder. You do not need to copy other folders; jar files are enough. You can use shift/ctrl to select all the jar and simply drag to your preferred folder in Windows on the left side of the WinSCP

After copying all the required .jar files for SQL Workbench, you can now connect SQL workbench to Hortonworks Hive.

* Go to the directory where you have extracted the SQL Workbench and run “SQLWorkbench64.exe”
* On the bottom left, click on ‘Manage Drivers’
* Within the Manage Drivers window, click ‘Create a New Entry’ on the top left
* Click on the folder icon on the right, and choose all (use shift) the .jar files that you have copied earlier
* To the right side of the Classname field, click on the magnifying glasses icon and choose “org.apache.hive.jdbc.HiveDriver”
* In the Sample URL field, enter “jdbc:hive2://sandbox.hortonworks.com:10500”
* Press OK
* Under Connection Profile, Choose the newly setup driver and one of the Hortonworks admin user credentials (raj\_ops/raj\_ops or root/<your newly configured password)
* Check the ‘Autocommit’ checkbox
* Press Ok