

PRACTICAL- 02

AIM:- Installation of HDP Sandbox and import in the VM box to visualize what's going on in the Hadoop.

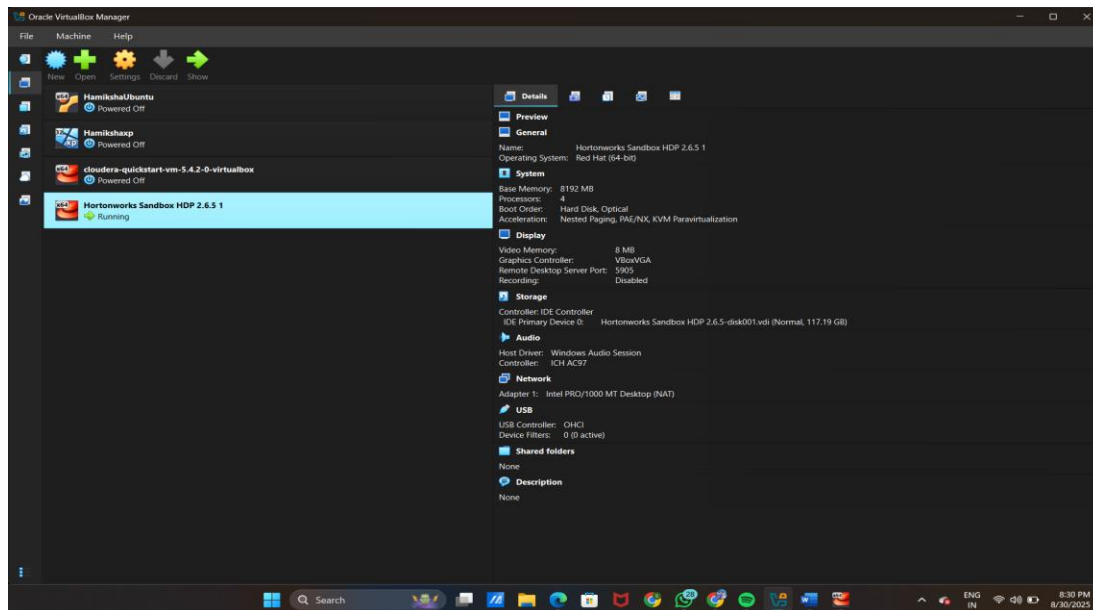
STEP-1 Download the VM box from the browse:

Link: <https://www.virtualbox.org/wiki/Downloads>

STEP-2 Download the HDP Sandbox file:

Link: <https://www.cloudera.com>

Step 3: Import the file in the VM box.



Step 4: Run the HDP Sandbox in the VMbox.

```
Hortonworks HDP Sandbox  
https://hortonworks.com/products/sandbox
```

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To quickly get started with the Hortonworks Sandbox, follow this tutorial:  
https://hortonworks.com/tutorial/hadoop-tutorial-getting-started-with-hdp/
```

To initiate your Hortonworks Sandbox session, open a browser to this address:

For VirtualBox:

Welcome screen: <http://localhost:1080>

SSH: <http://localhost:4200>

For UMWare:

Welcome screen: <http://10.0.2.15:1080>

SSH: <http://10.0.2.15:4200>

Step 5: Run the link in the browser.



SAND BOX HDP2.6.5



NEW TO HDP

Explore the Hortonworks Data Platform (HDP)
Walk through a typical use case with the tutorial

LAUNCH DASHBOARD

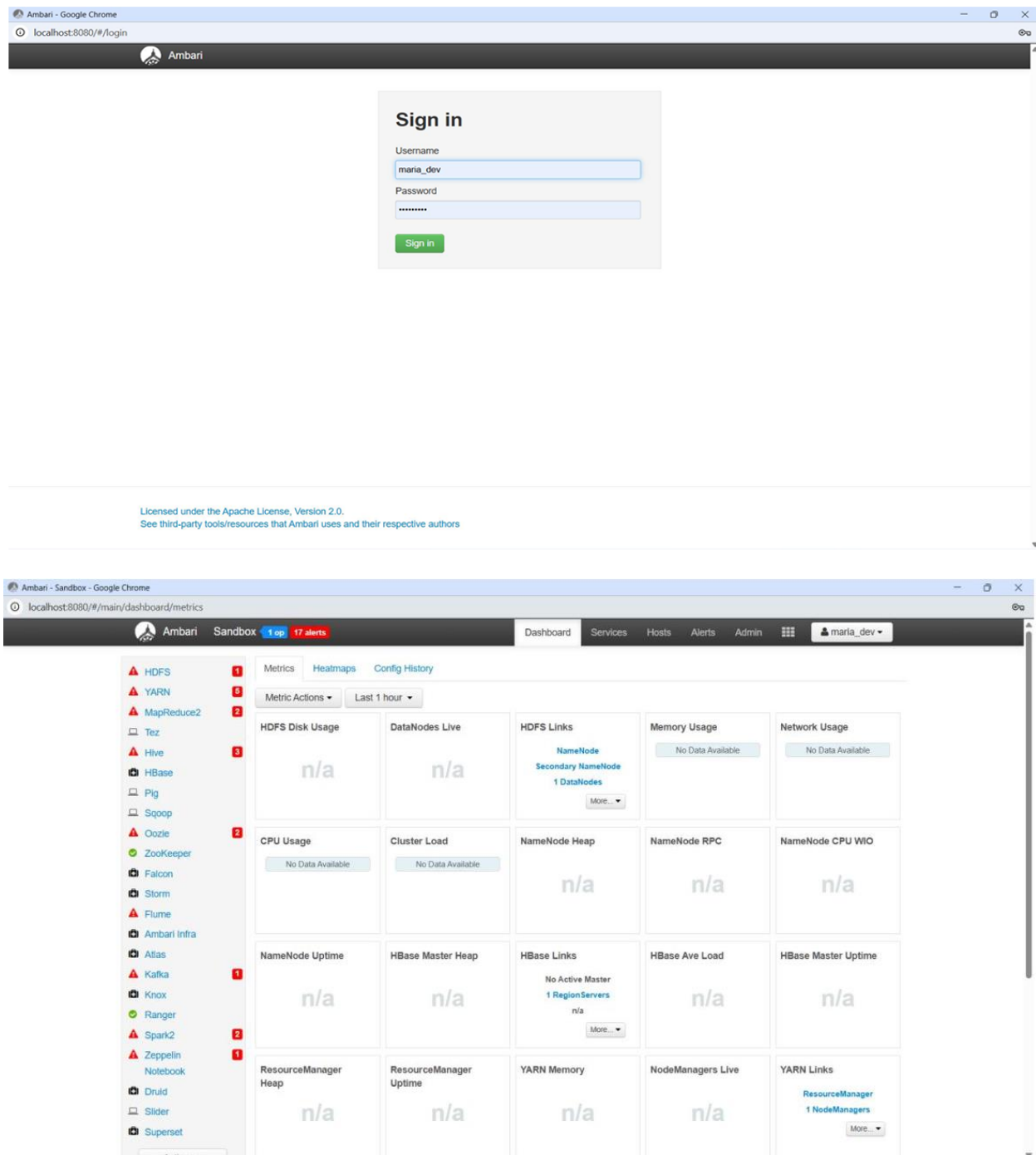


ADVANCED HDP

Expand your Hortonworks Data Platform (HDP) experience
Access components in Sandbox

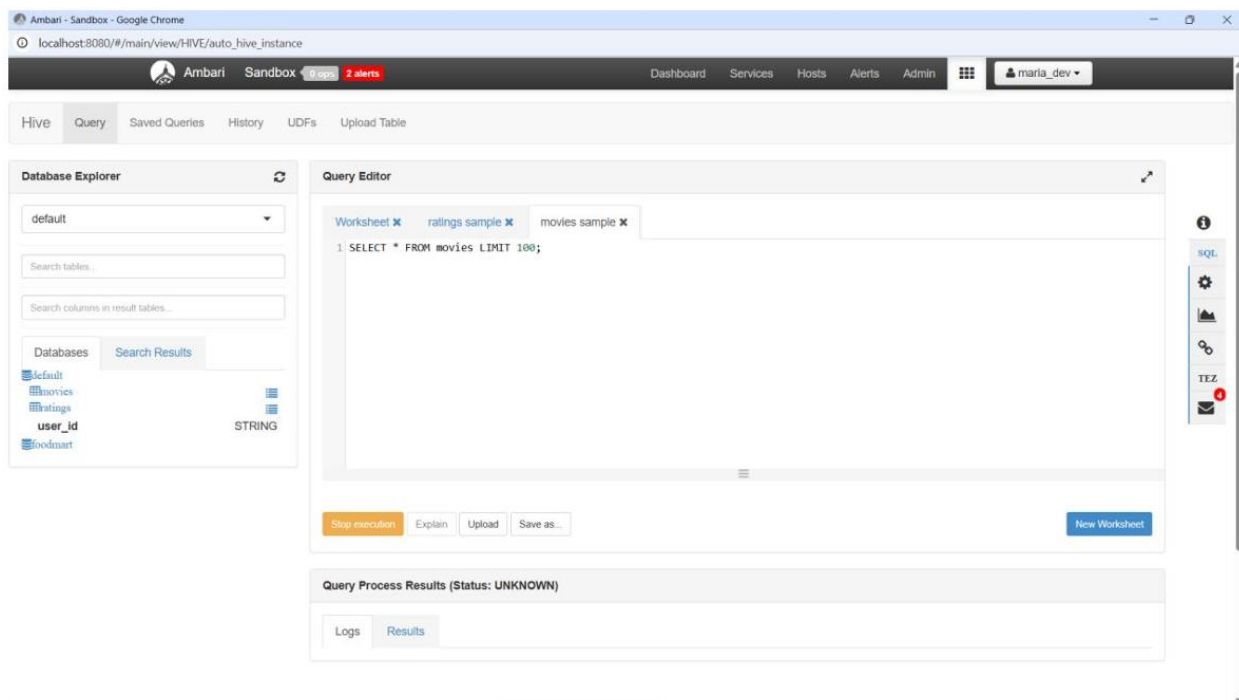
QUICK LINKS

Step 6: Login in the Ambari Sandbox.

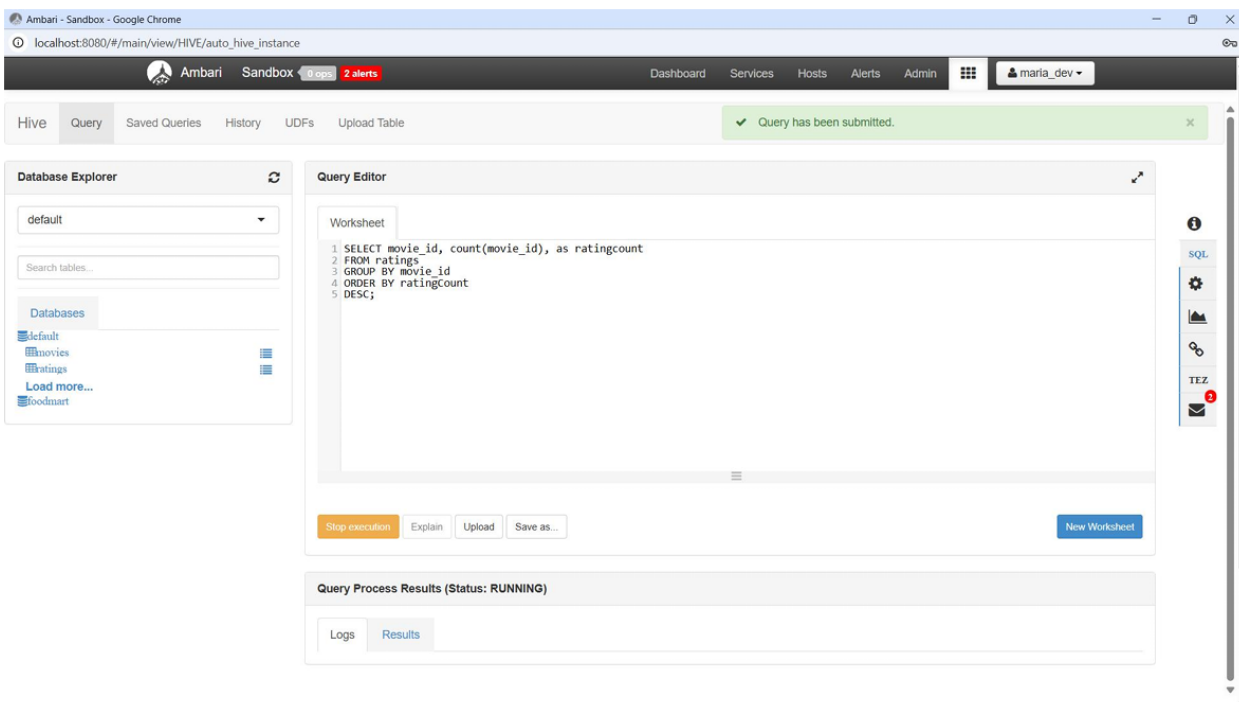


Step 7:Download any two Datasets file. Step 8:Upload the files in the Ambari Sandbox.We will import the data from the local file there to import data open the hive view After hive view click on the upload table option Select the csv file type & set the file delimiter

type to the 9 (i.e horizontal tab) Choose the file from your local system) i.e u.dat a file) Rename the table



Step 8: Write the SQL Query to perform operations.



Ambari - Sandbox - Google Chrome
localhost:8080/#/main/view/HIVE/auto_hive_instance

Query Process Results (Status: SUCCEEDED) Save results...

Logs Results

Filter columns...

movies.movie_id	movies.movie_name	movies.column3	movies.column4	movies.column5
1	Toy Story (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Toy%20Story%20(1995)
2	GoldenEye (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?GoldenEye%20(1995)
3	Four Rooms (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Four%20Rooms%20(1995)
4	Get Shorty (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Get%20Shorty%20(1995)
5	Copycat (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Copycat%20(1995)
6	Shanghai Triad (Yao a yao yao dao waipo qiao) (1995)	01-Jan-1995	""	http://us.imdb.com/Title?Yao+a+yao+yao+dao+waipo+qiao+(1995)
7	Twelve Monkeys (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Twelve%20Monkeys%20(1995)
8	Babe (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Babe%20(1995)
9	Dead Man Walking (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Dead%20Man%20Walking%20(1995)
10	Richard III (1995)	22-Jan-1996	""	http://us.imdb.com/M/title-exact?Richard%20III%20(1995)
11	Seven (Se7en) (1995)	01-Jan-1995	""	http://us.imdb.com/M/title-exact?Se7en%20(1995)
12	Usual Suspects, The (1995)	14-Aug-1995	""	http://us.imdb.com/M/title-exact?Usual%20Suspects,%20The%20(1995)
13	Mighty Aphrodite (1995)	30-Oct-1995	""	http://us.imdb.com/M/title-exact?Mighty%20Aphrodite%20(1995)

Ambari - Sandbox - Google Chrome
localhost:8080/#/main/view/HIVE/auto_hive_instance

Query Process Result

Logs Results

Filter columns...

movies.movie_id	m
1	T
2	G
3	F
4	G
5	C
6	S a qi
7	T (1
8	B
9	D (1
10	R
11	S (1
12	U (1