

## PRACTICAL = 2

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

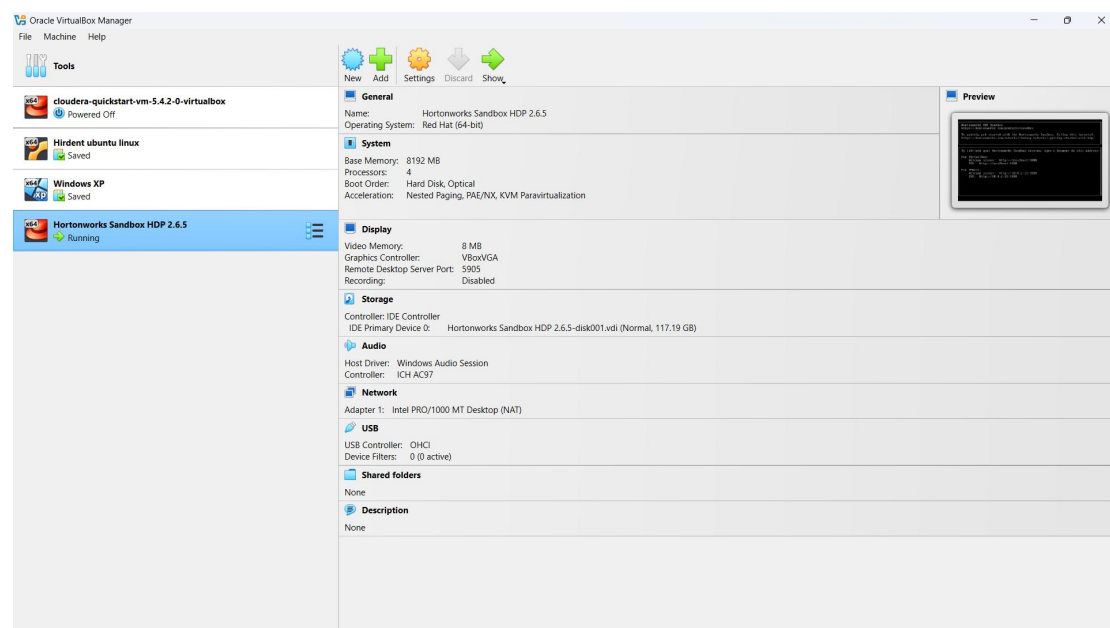
**Step 1: Download the VM box from the browser :**

**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 VM box.

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

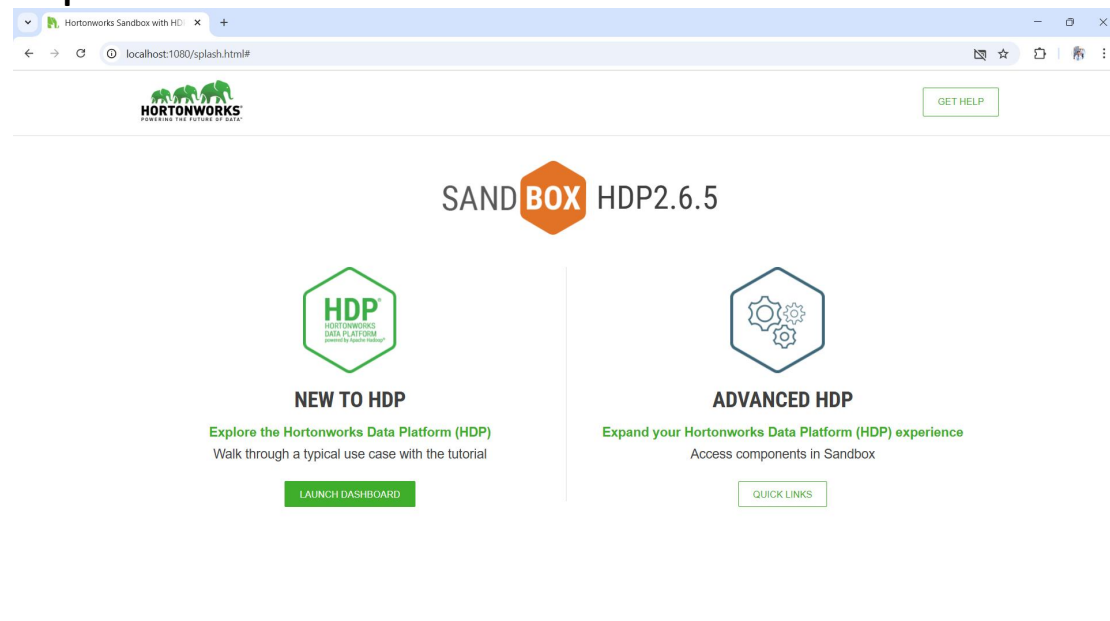
```
To quickly get started with the Hortonworks Sandbox, follow this tutorial:  
https://hortonworks.com/tutorial/hadoop-tutorial-getting-started-with-hdp/
```

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

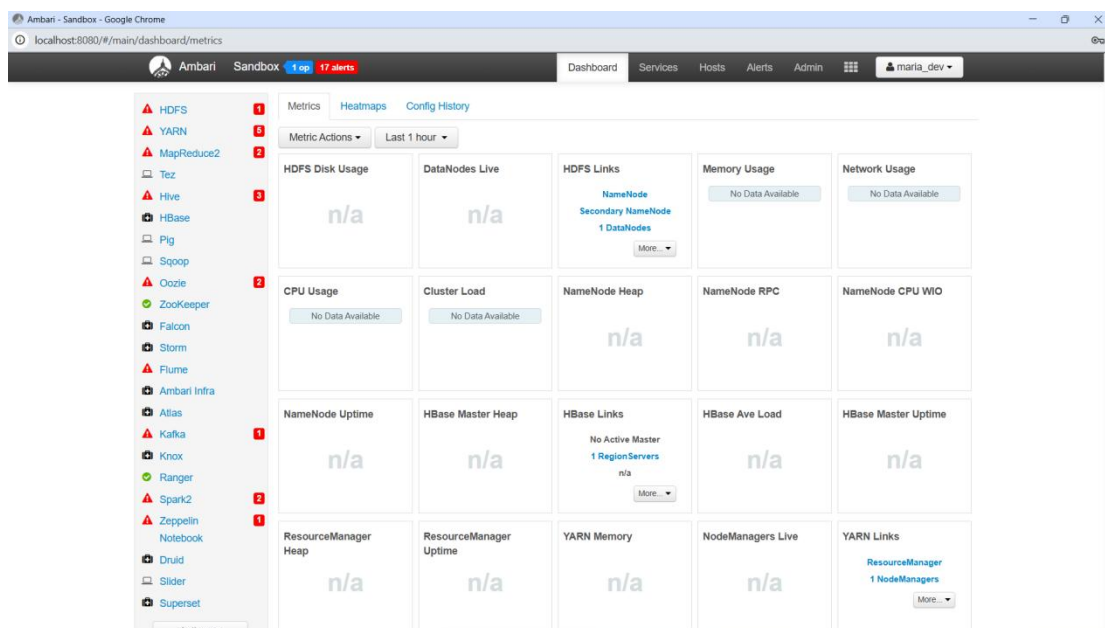
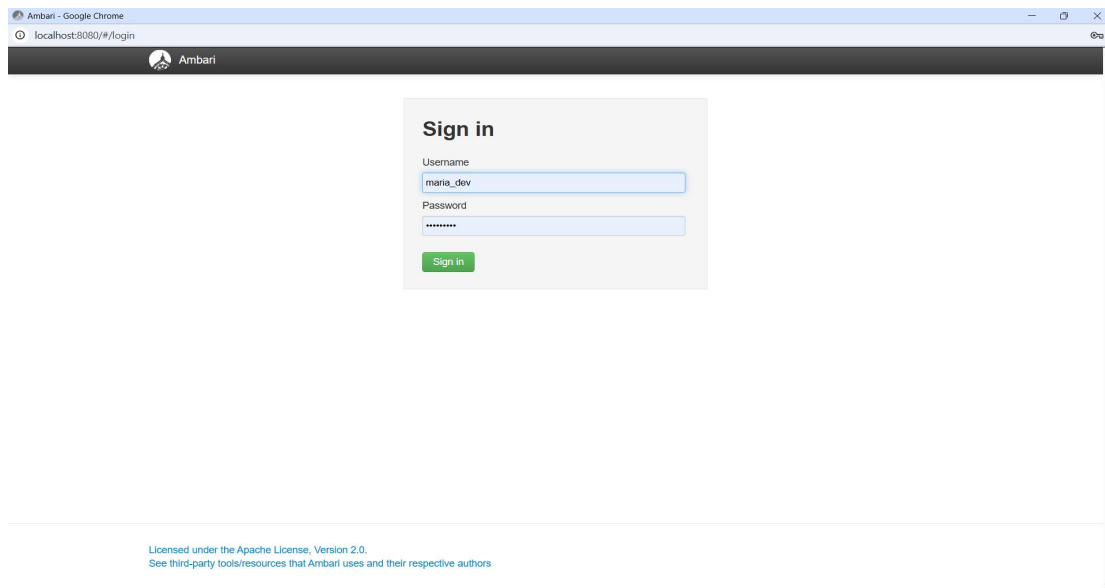
For VirtualBox:  
Welcome screen: `http://localhost:1080`  
SSH: `http://localhost:4200`

For VMWare:  
Welcome screen: `http://10.0.2.15:1080`  
SSH: `http://10.0.2.15:4200`

## Step 5:Run the link in the browser.



## Step 6: Login in the Ambari Sandbox.



**Step 7:Download any two Datasets file.**

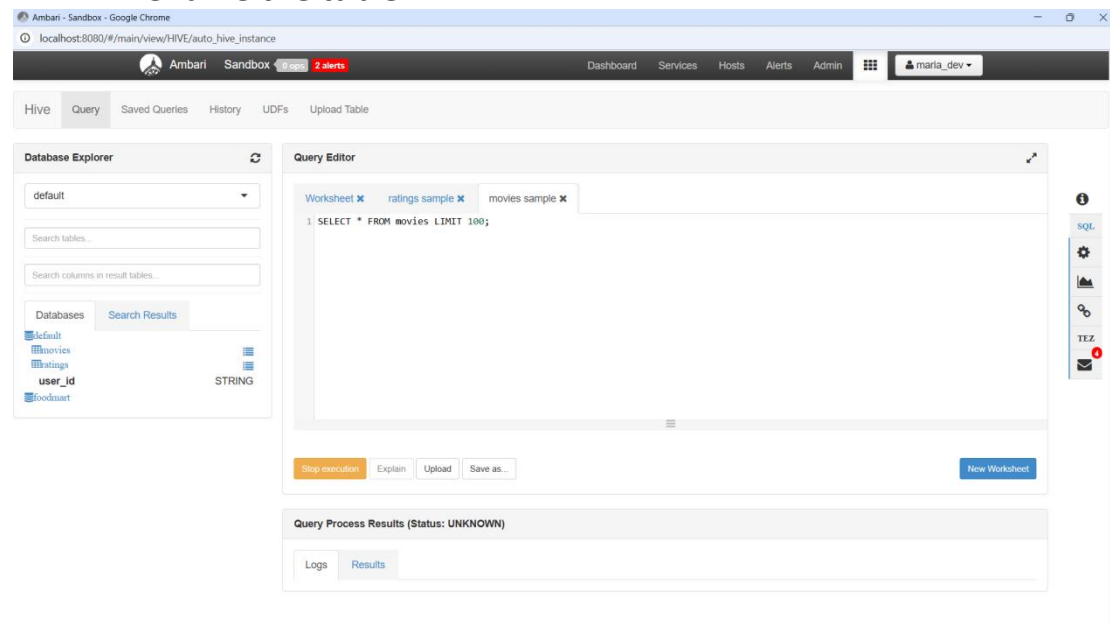
**Step 8:Upload the files in the Ambari Sandbox.We will import the data from the local file there to import data open the hive view**

**After hive view click on the upload table option**

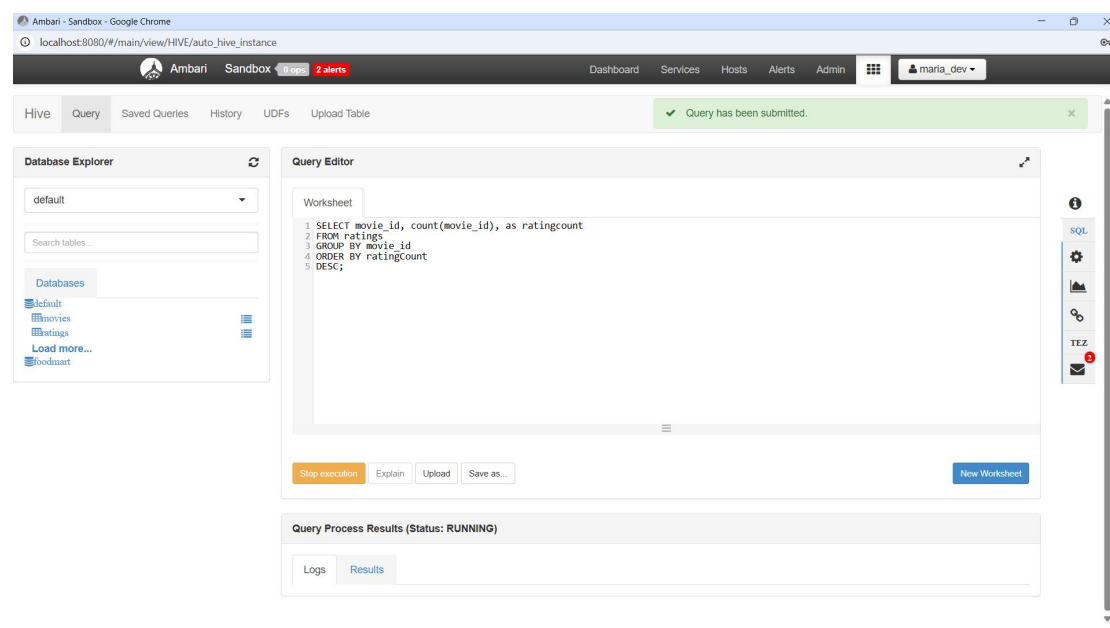
**Select the csv file type & set the file delimiter type to the 9 (i.e horixontal tab)**

**Choose the file from your local system )(i.e u.data 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...

previous next

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 dao walpo qiao) (1995)	01-Jan-1995	""	http://us.imdb.com/T/ite?Yao+a+yao+dao+walpo+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)

Query Process Results	
Logs	Results
Filter columns...	
movies.movie_id	m
1	To
2	G
3	F
4	G
5	C
6	S a q
7	T (1
8	B
9	D (1
10	R
11	S (1
12	U (1