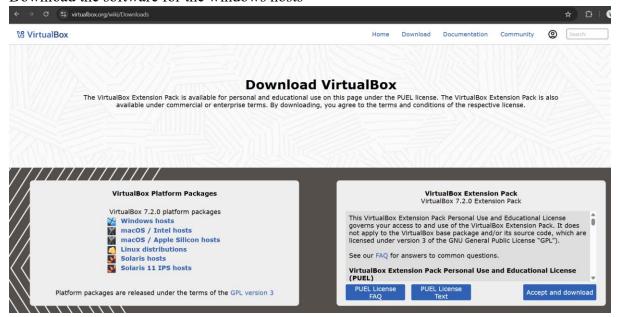
## **Practical No.2**

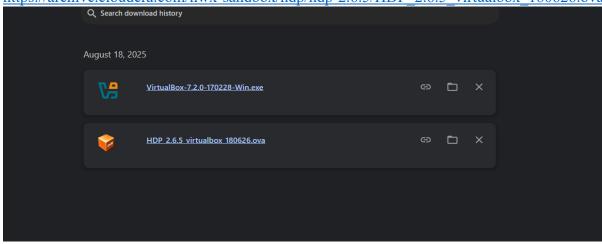
Aim: Steps to install Hadoop.

Step 1) From the browser download the Virtual box link-https://www.virtualbox.org/wiki/Downloads Download the software for the windows hosts

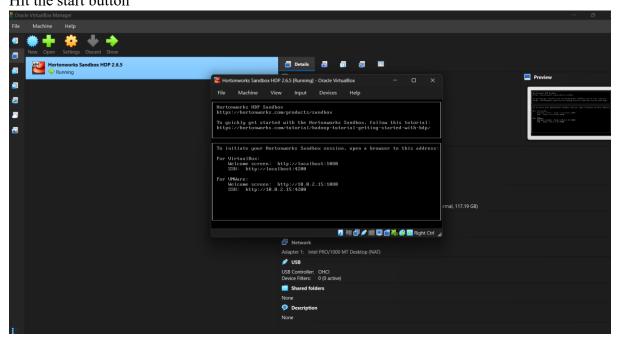


# Step 2) Install the HDP Sandbox Link for hdp sandbox:

https://archive.cloudera.com/hwx-sandbox/hdp/hdp-2.6.5/HDP 2.6.5 virtualbox 180626.ova



Step 3) Import the sandbox in virtual box After downloading click on import button on the virtual box and import the file Hit the start button



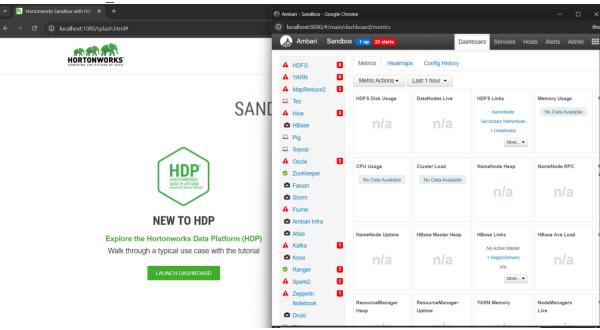
Step 4) To visualize what's going on in the Hadoop we may visualize through Ambari Go & visit on the address provided on the virtual box

Click on the address & launch the dashboard

It requires the username & password

Username – maria\_dev

Password- maria dev



Step 5) Small Activity
Download the dataset from grouplens
link-https://grouplens.org/datasets/movielens/

older dataset is provided on the website Hit the download button & download ml.100k.zip file Once you have downloaded extract the data

### older datasets

#### MovieLens 100K Dataset

MovieLens 100K movie ratings. Stable benchmark dataset. 100,000 ratings from 1000 users on 1700 movies. Released 4/1998.

- README.txt
- ml-100k.zip (size: 5 MB, checksum)
- Index of unzipped files

Permalink: https://grouplens.org/datasets/movielens/100k/

## Step 6) Working on the downloaded dataset

Go into the ambari tool and from the menu go into the hive view

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 name-ratings

column name-

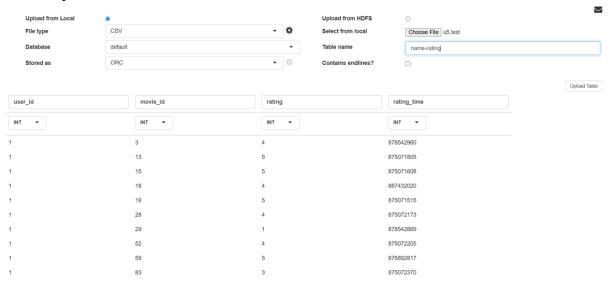
user id

movie id

rating

rating time

## Hit the upload button



Same for the movie name table
Select the file type as above and set the file delimiter to 124
Rename the table name to movie\_name
column nameMovie\_id
After this hit the upload button

Step 7)Write the SQL Query to perform operations SQL Query1SELECT movie\_id, count(movie\_id) as ratingcount FROM movie\_ratings
GROUP BY movie\_id
ORDER BY ratingCount
DESC;

After writing the query execute it and see the results

