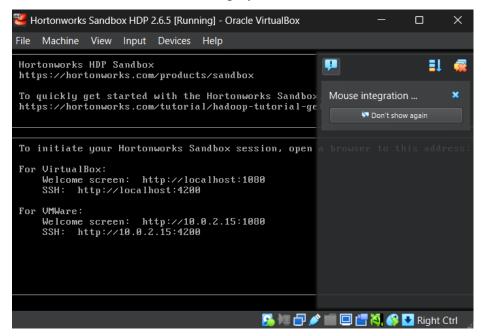
Practical-02

Aim:- Install and configure Hadoop using HDP Sandbox in a VirtualBox, and perform Hive queries on a dataset.

1. Download HDP Sandbox and import into virtualbox.

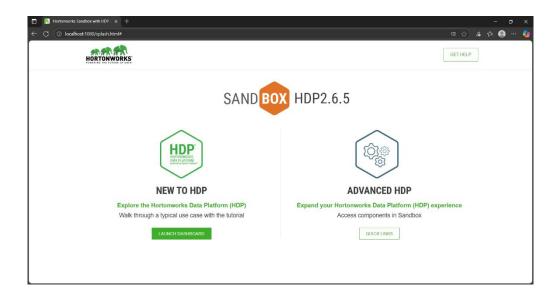


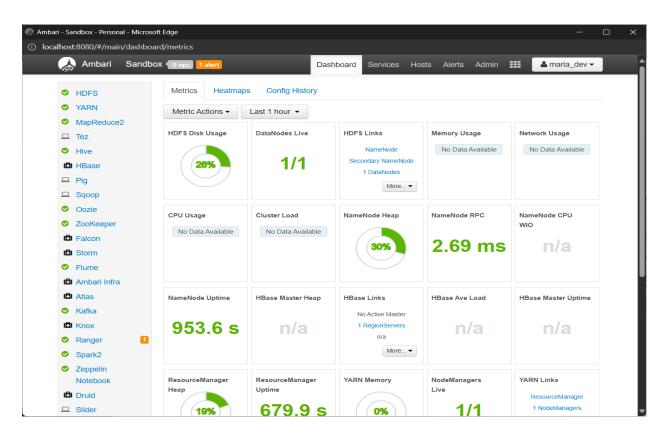
2. Start the Sandbox VM, it will display the URL to access Ambari.



3. The URL will open Ambari Dashboard, click on launch dashboard it will open a login page, login using:

Username : maria_dev Password : maria_dev





4. 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

5. Go into the Ambari tool and from the menu go into the hive view, 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.data file

Rename the table name- ratings

column name-

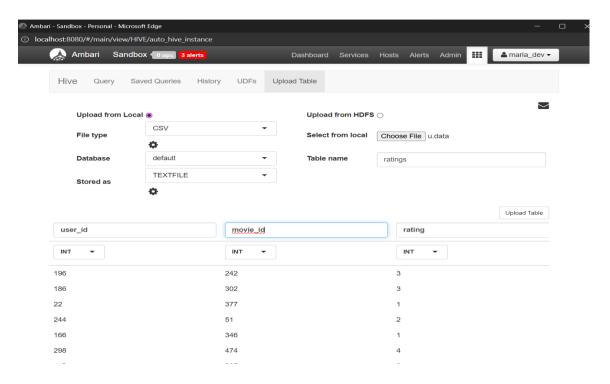
user id

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

column name-

movie id

name

After this hit the upload button

6. Write the SQL Query to perform operations

SQL Query1-

SELECT movie_id, count(movie_id), AS ratingcount

FROM ratings

GROUP BY movie id

ORDER BY ratingCount

DESC

After writing the query execute it and see the results

