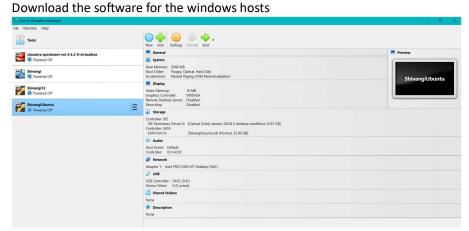
Practical - 2

Steps to install Hadoop

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



Step 2) Install the HDP Sandbox

visit the cloudera platform & search for the hdp sandbox

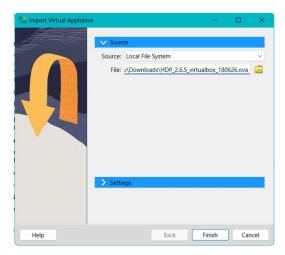
Link-https://www.cloudera.com/

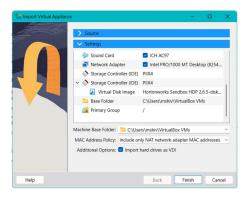
As per new updation since from 2023 the version have been changed so you may get your sandbox through the link provided link below

link for hdp sandbox-https://archive.cloudera.com/hwx-sandbox/hdp/hdp-2.6.5/HDP_2.6.5_virtualbox_180626.ova

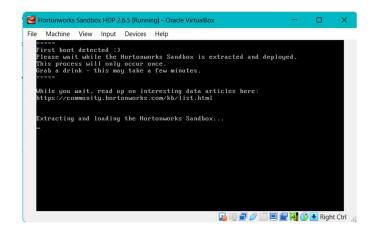
Step 3) Import the sandbox in virtual box

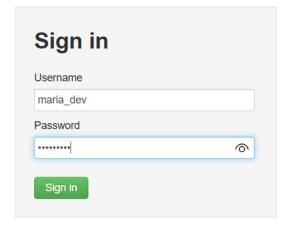
After downloading click on import button on the virtual box and import the file Hit the start button





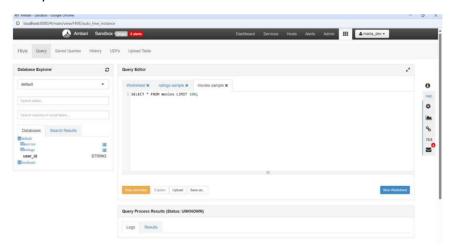
Step 4) To visualize what's going on in the Hadoop we may visualize through Ambari Go & visit on the address provided on the virtual box Click on the address & launch the dashboard It requires the username & password Username – maria_dev Password- maria_dev





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



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

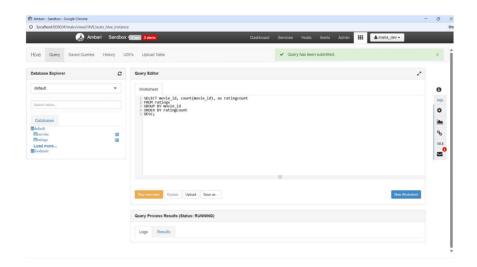
Select the file type as above and set the file delimiter to 124

Rename the table name to movie_name column name-

Movie_id

name

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 ratings
GROUP BY movie_id
ORDER BY ratingCount
DESC
After writing the query execute it and see the results SQL Query2-

SELECT name FROM movie_names WHERE novie_id=50 After writing the query execute it and see the results

