Edureka Cloud Lab Guide

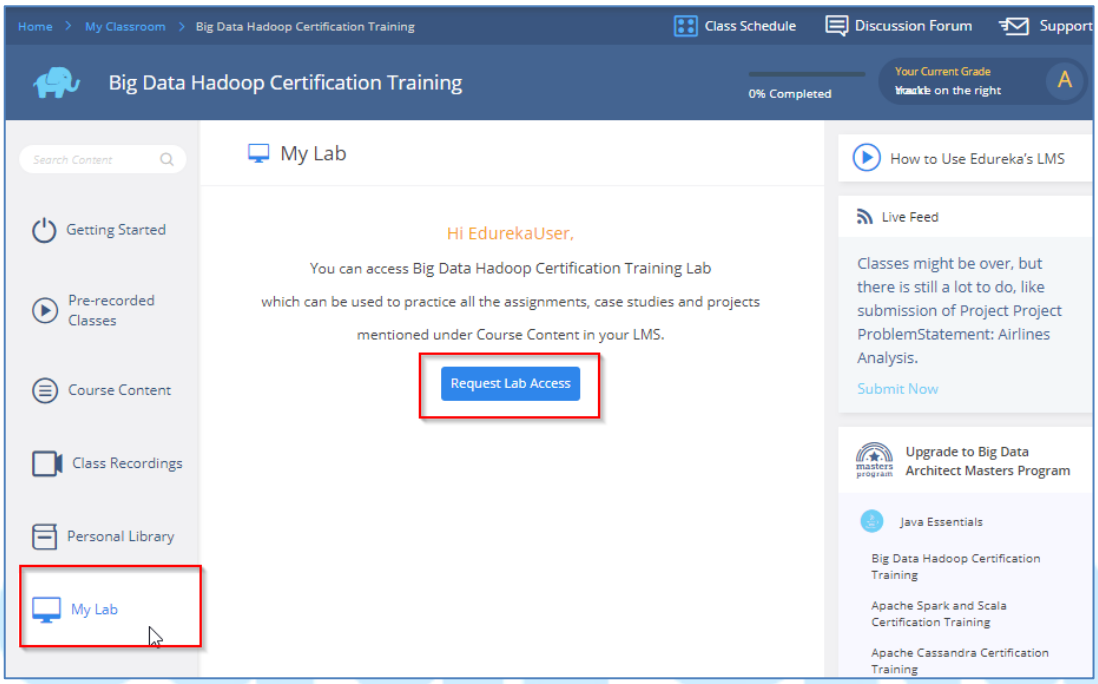
edureka!

Accessing Cloud Lab in LMS

Steps:

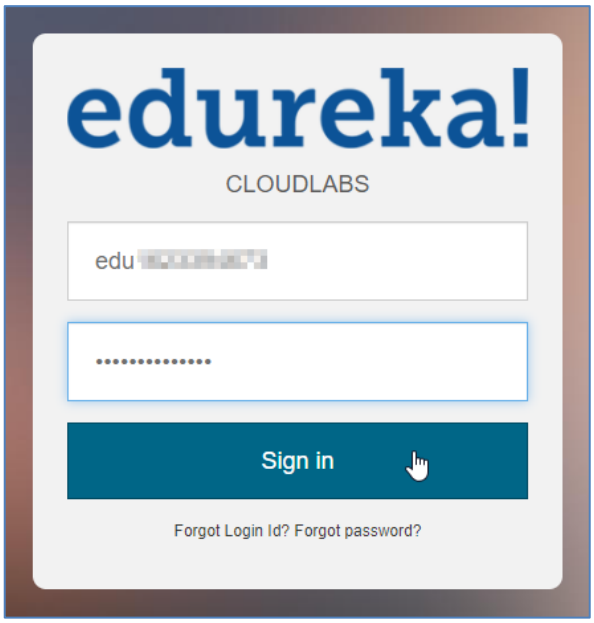
1. To access Edureka Cloud Lab, go to your LMS and click on “Go to Course” under “Big Data Hadoop Certification Training”

2. Click on **‘My Lab’** tab and then on **‘Request Lab Access’**

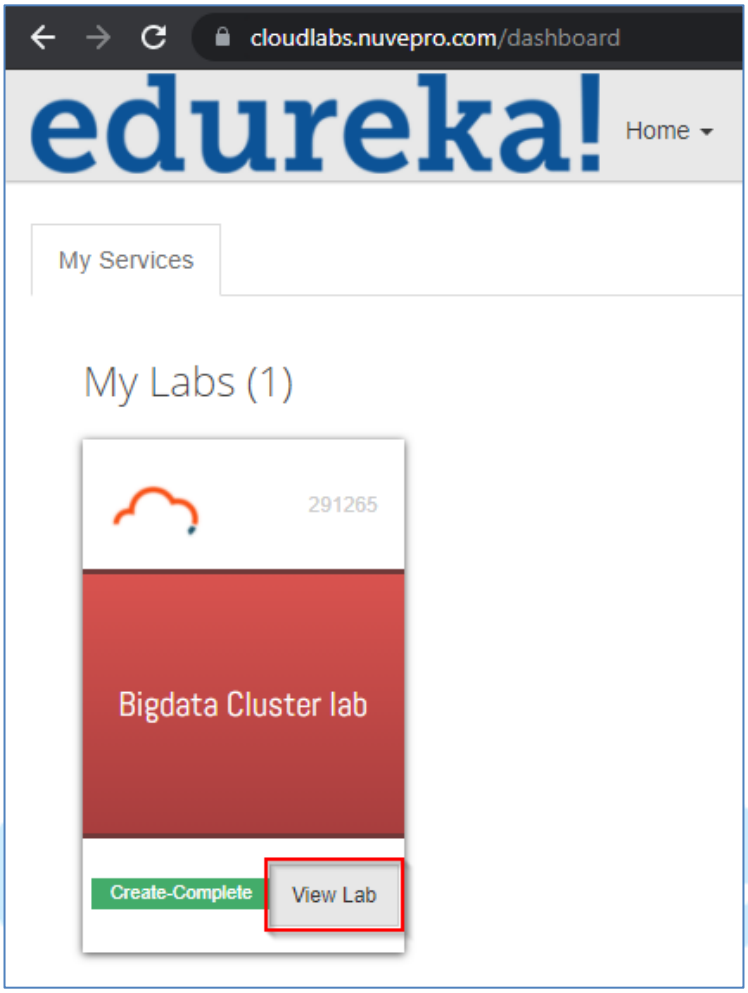


Note: The first time you request the lab access, it may take upto 24 hours.

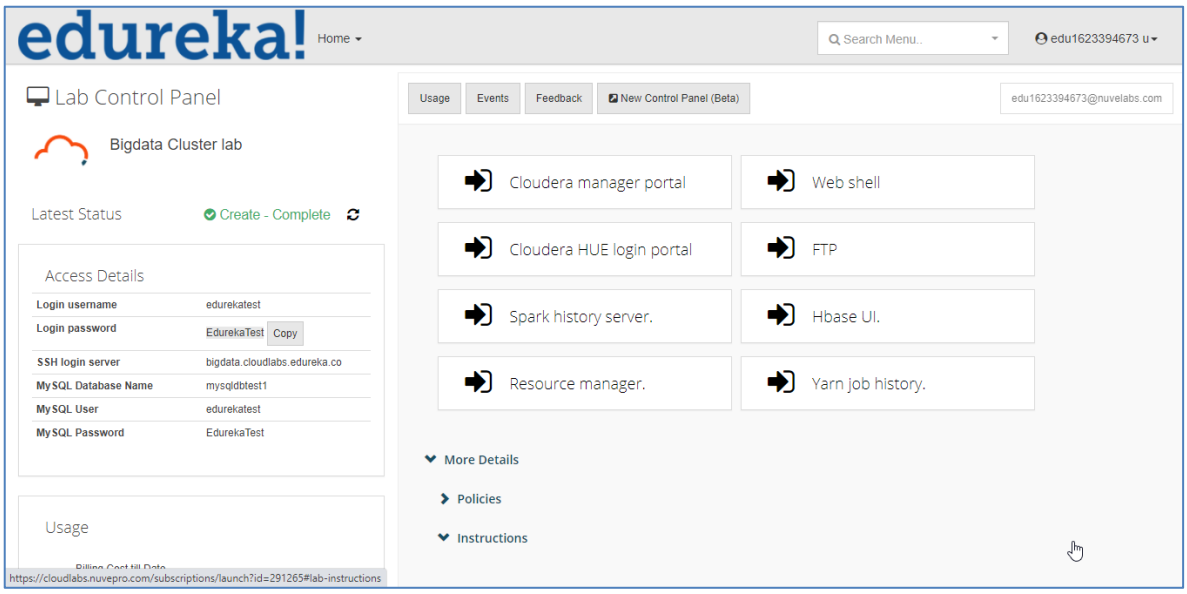
3. Use the credentials provided to login to the cloud Lab.
URL: https://cloudlabs.nuvepro.com/company/EdurekaLive/home



4. After successful login, a page is displayed as shown in the picture below:

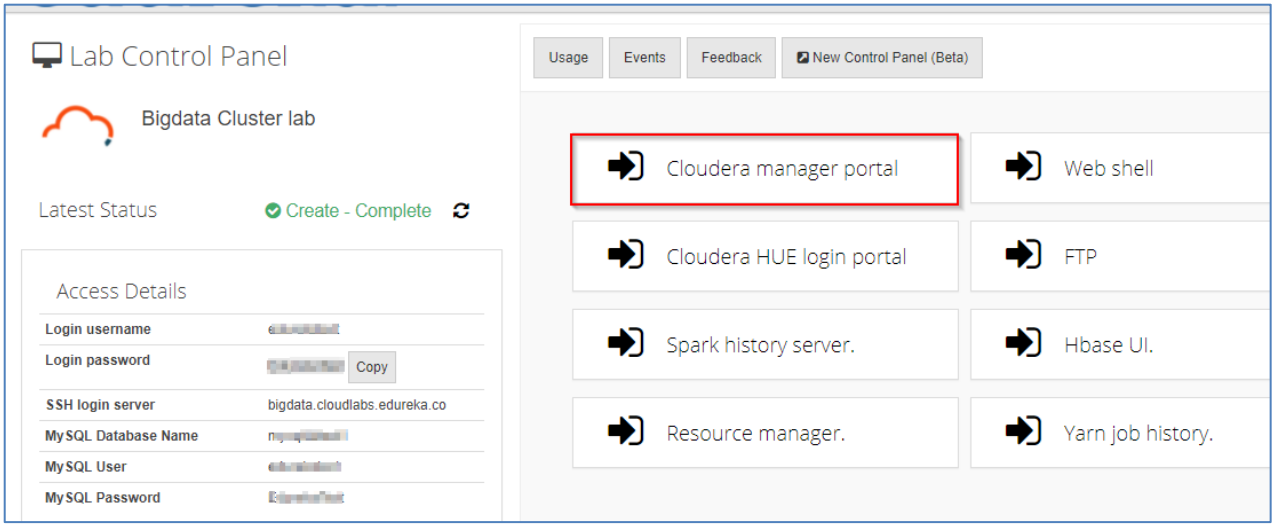


5. Click on **'View Lab'**

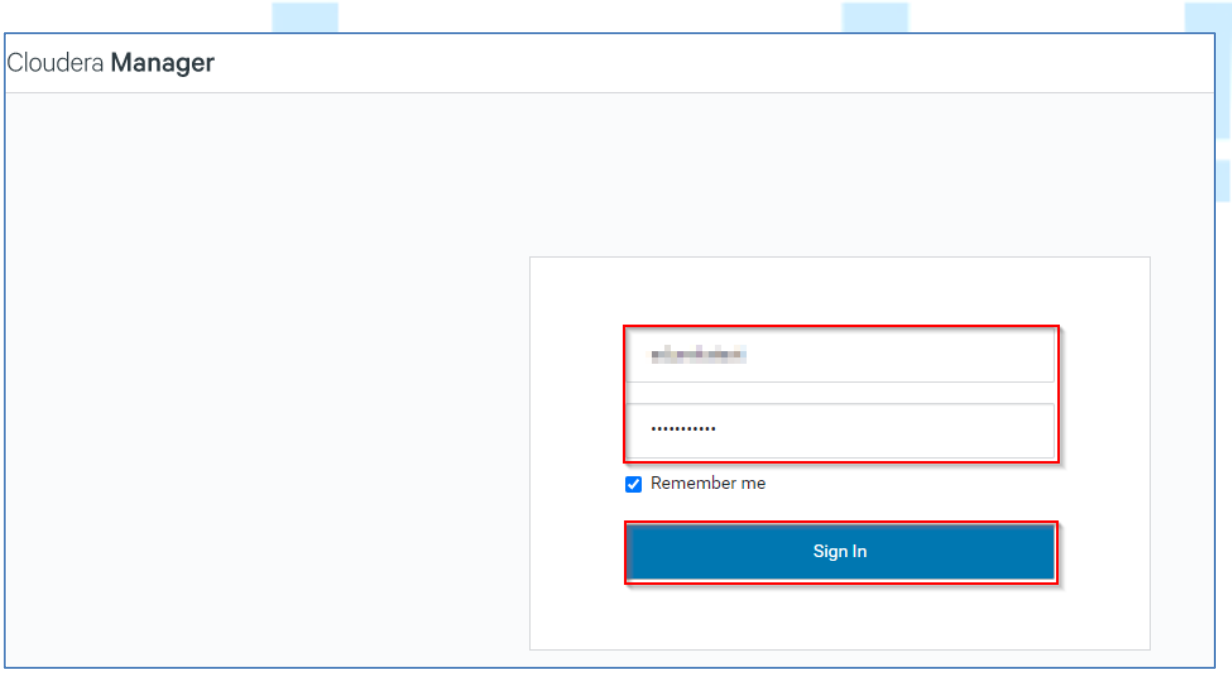


Accessing Cloudera Manager Portal

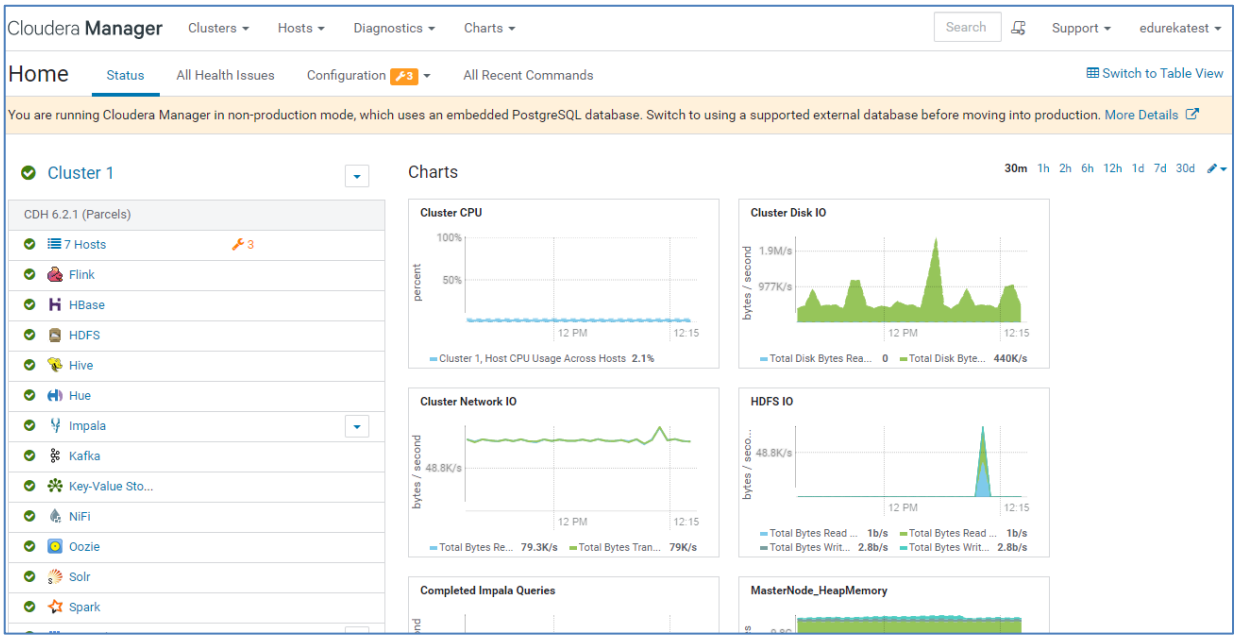
Step 1: Click on Cloudera Manager Portal Tab. Please use the credentials provided in the left panel.



Step 2: Enter the credentials and click on Sign-in

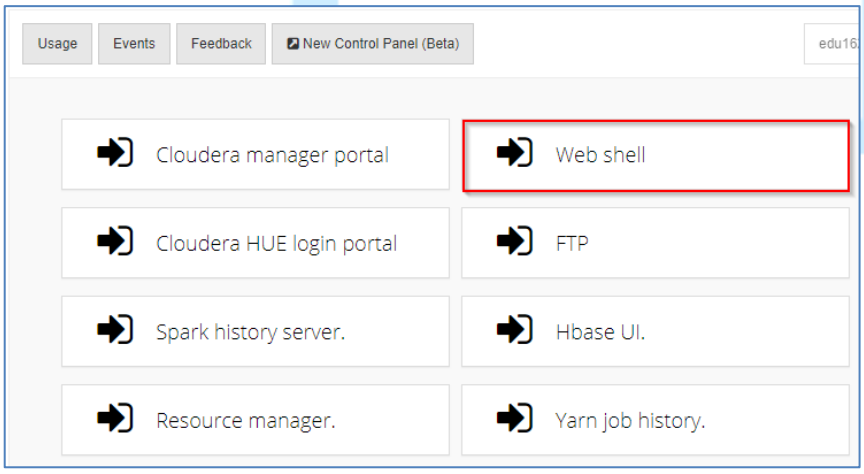


Step 3: After signing in, a screen will be displayed as shown in the below image:

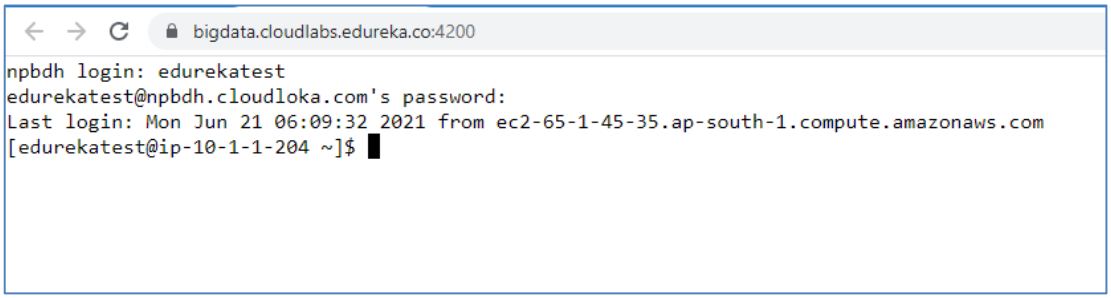


Accessing Web Shell

Step 1: Go to 'Web Shell' Tab and click on it.

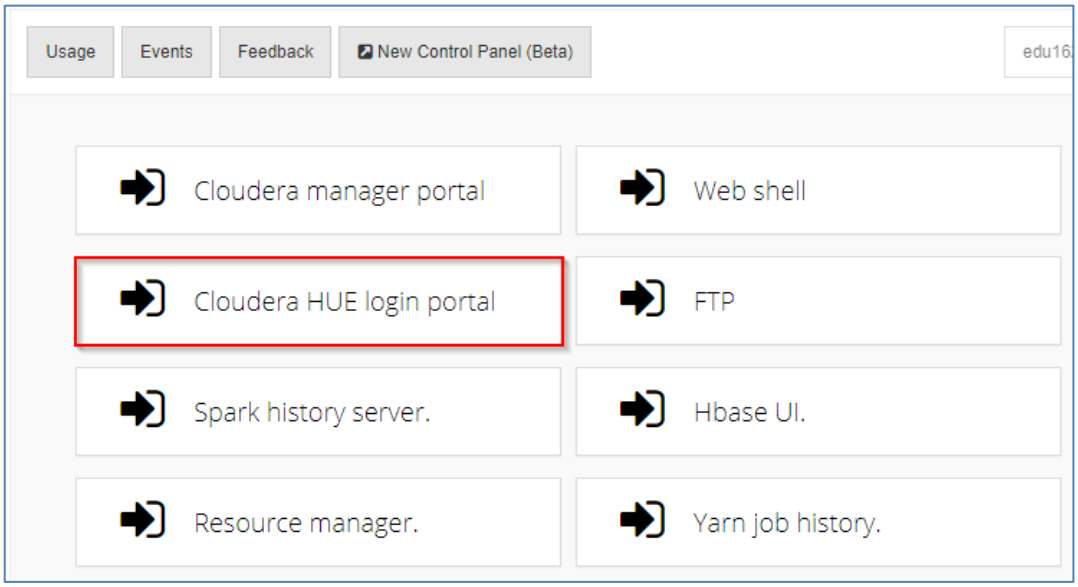


Step 2: Enter the username and password provided. Your screen should appear like:

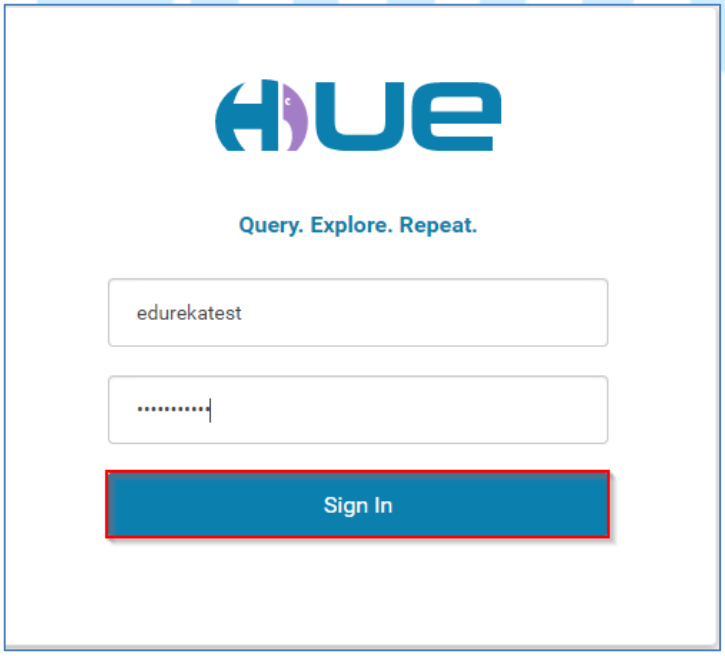


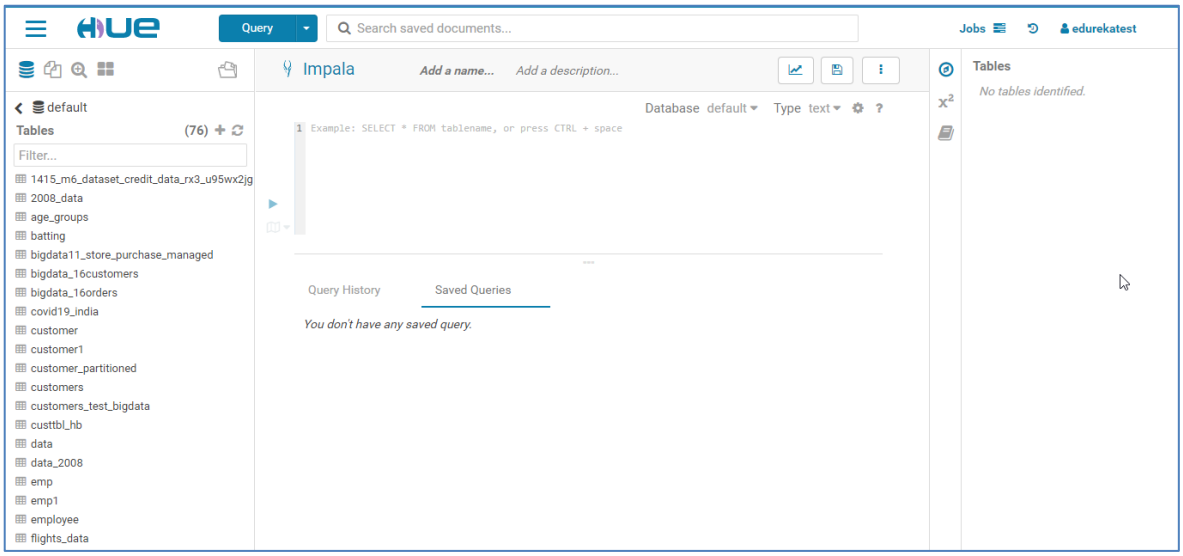
Accessing Hue Portal

Step 1: Click on 'Cloudera HUE Login Portal, tab



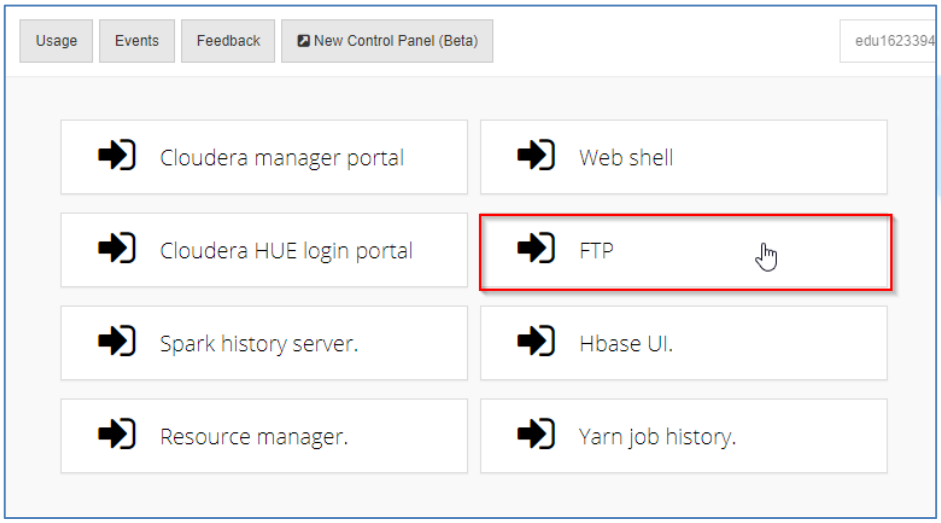
Step 2: Enter the username and password provided and click on Sign In. Your screen should appear as shown below:



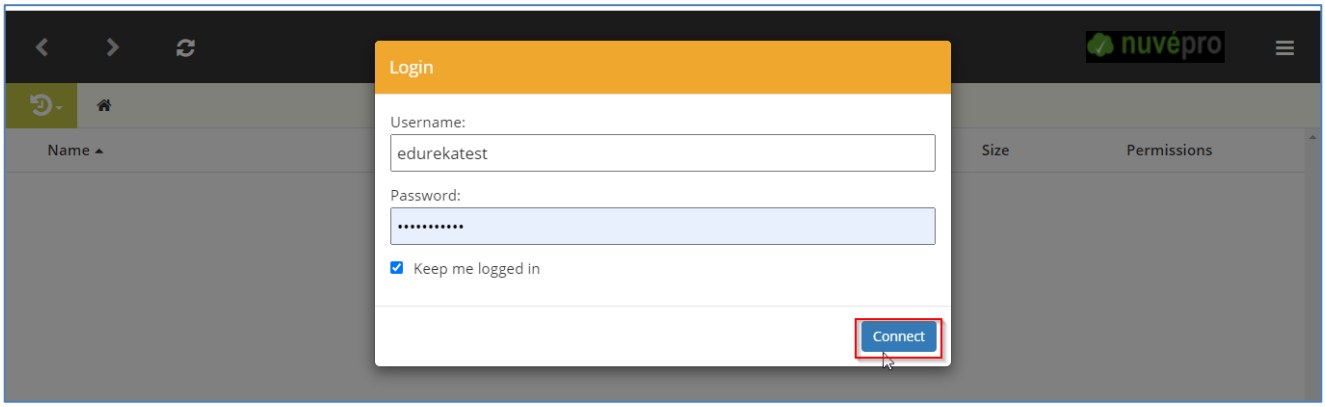


Accessing FTP

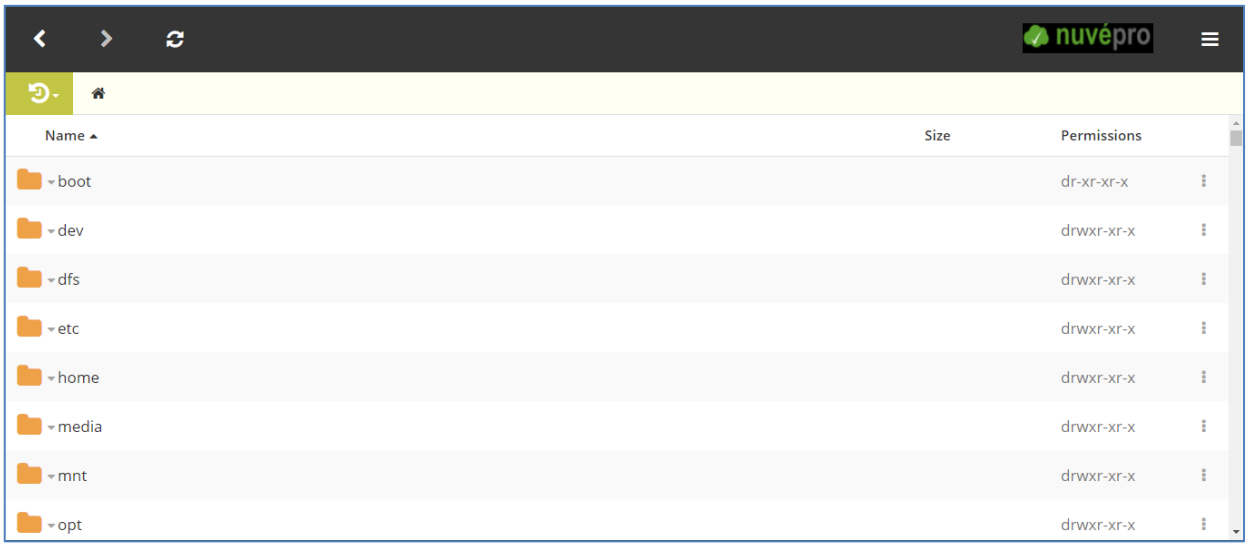
Step 1: Click on FTP Tab



Step 2: Enter the username and password provided and click on Connect.

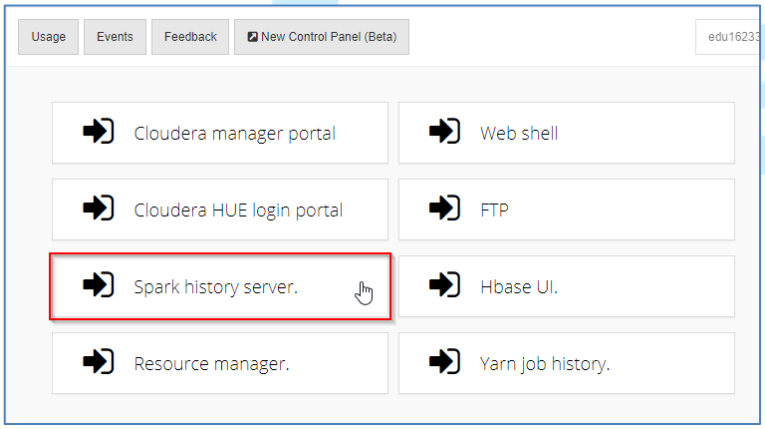


Step 3: Your screen should appear as shown below:

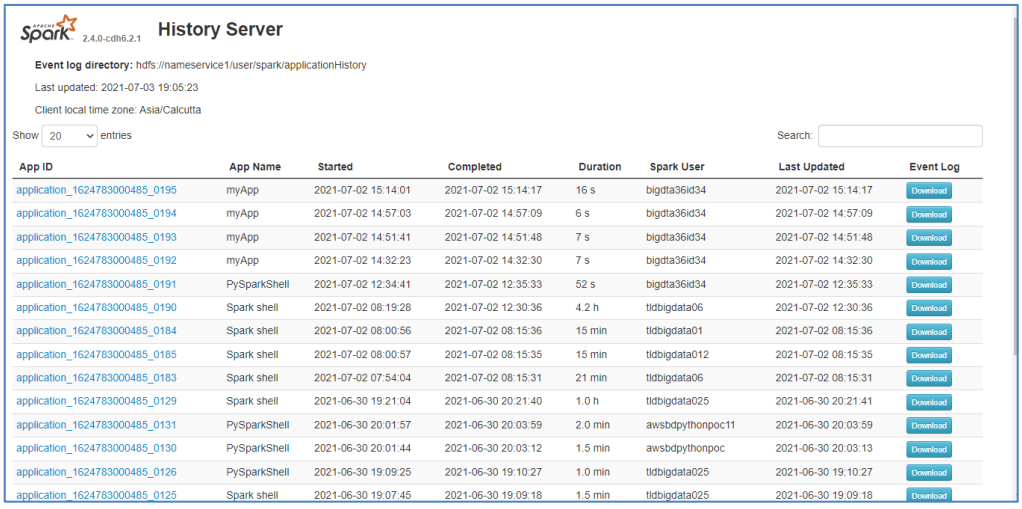


Accessing Spark History Server

Step 1: Click on 'Spark History Server' Tab

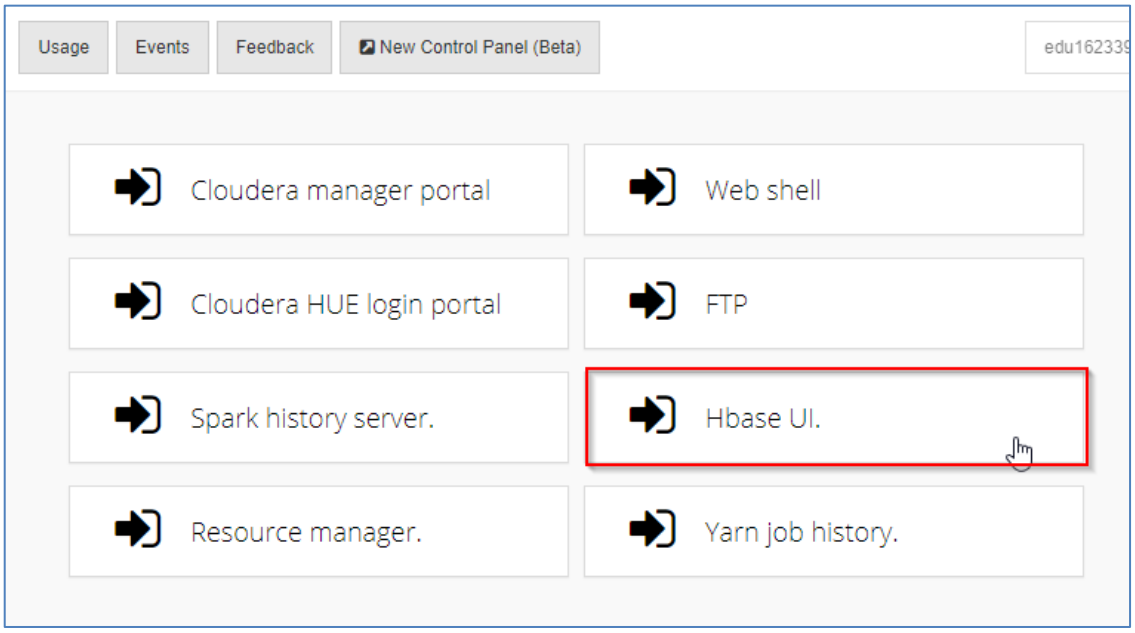


Step 2: The following screen appears:

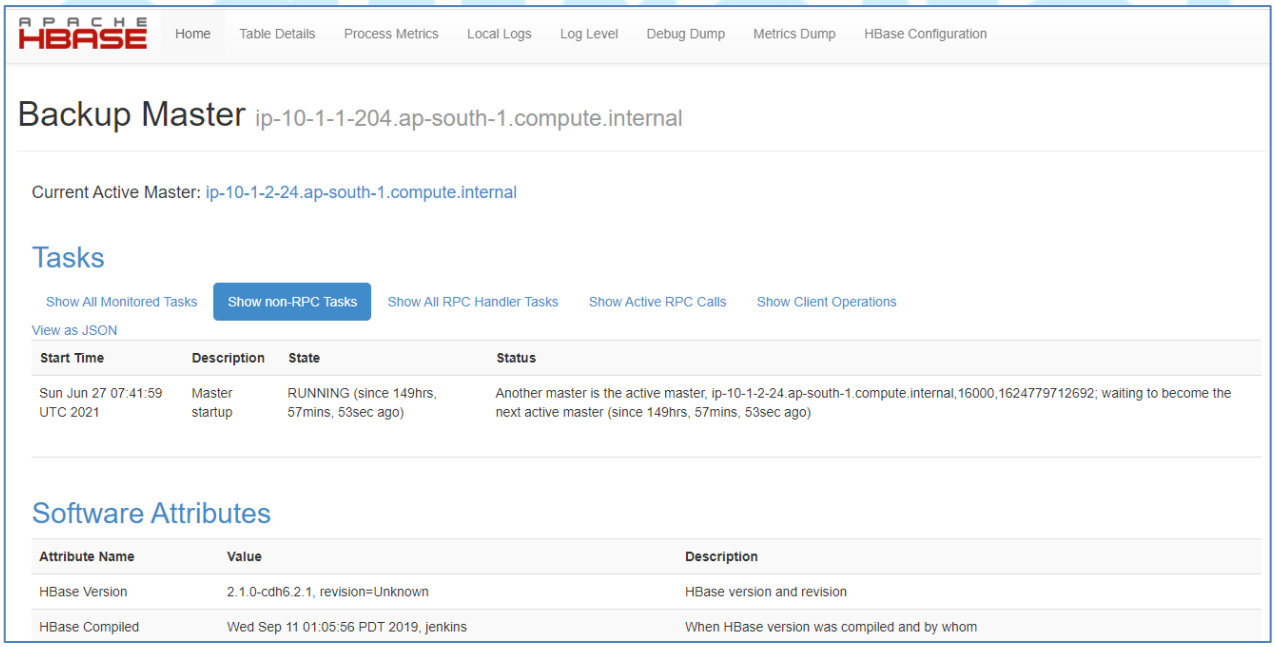


Accessing Apache HBASE

Step 1: Click on 'Hbase UI' Tab from the service panel

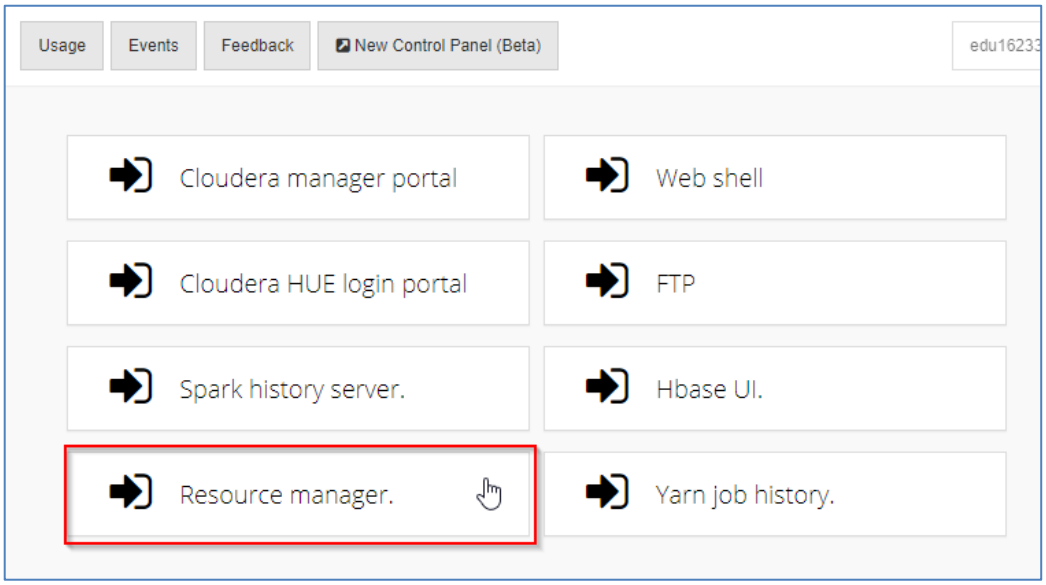


Your screen should appear as:

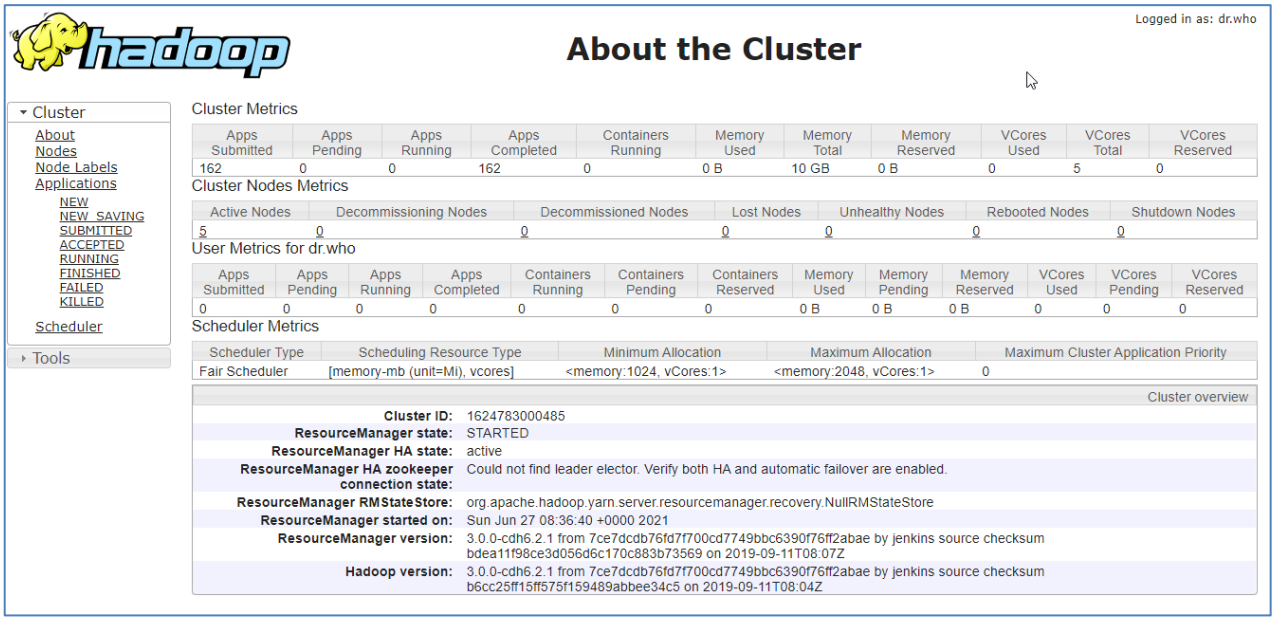


Accessing Resource Manager

Step 1: Click on 'Resource Manager' Tab

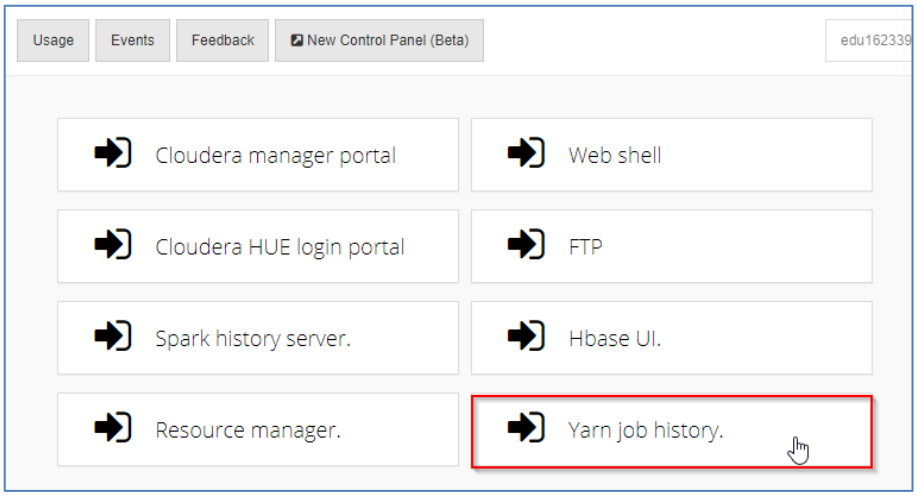


Your screen should appear as shown:

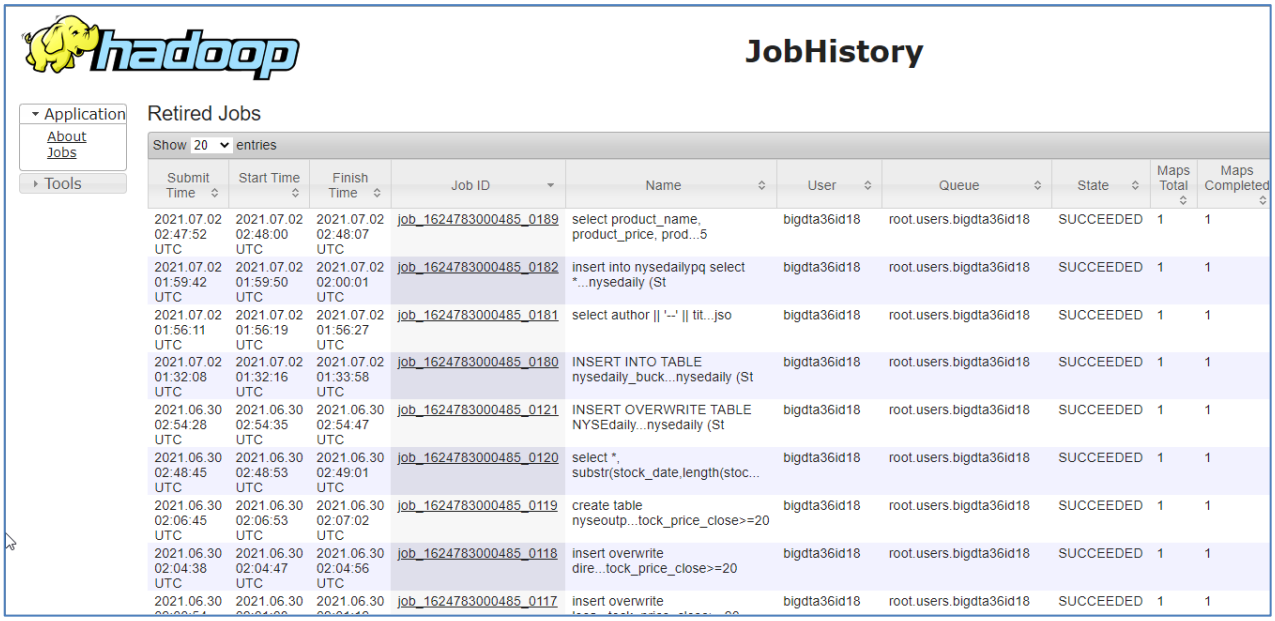


Accessing Yarn

Step 1: Click on 'Yarn Job History' Tab



Your screen should appear as shown:



Additional Information:

Hadoop Version - 3.0.0+cdh6.2.1

Hive Version - 2.1.1+cdh6.2.1

HBase Version - 2.1.0+cdh6.2.1

Flume NG Version - 1.9.0+cdh6.2.1

Sqoop Version - 1.4.7+cdh6.2.1

Spark Version - 2.4.0+cdh6.2.1

Oozie Version - 5.1.0+cdh6.2.1

Zookeeper Version - 3.4.5+cdh6.2.1

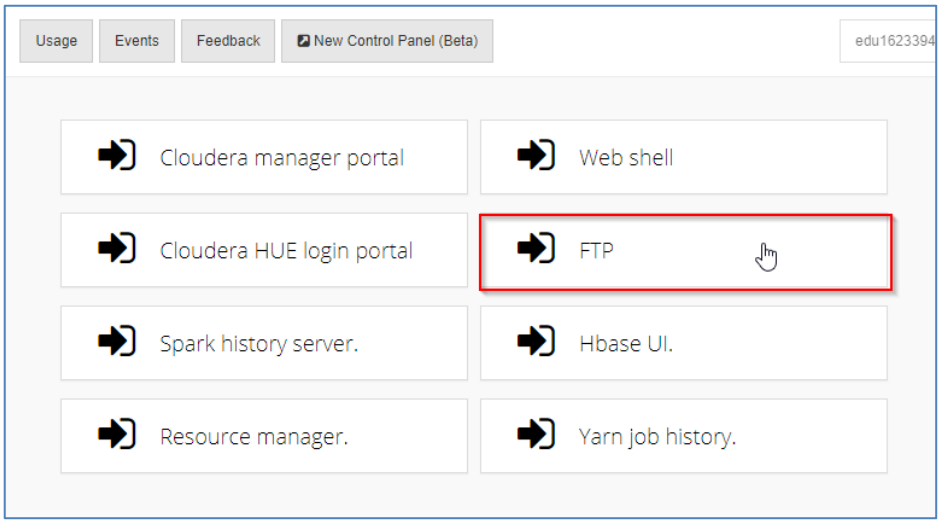
Pig Version - 0.17.0+cdh6.2.1

Kafka Version - 2.1.0+cdh6.2.1

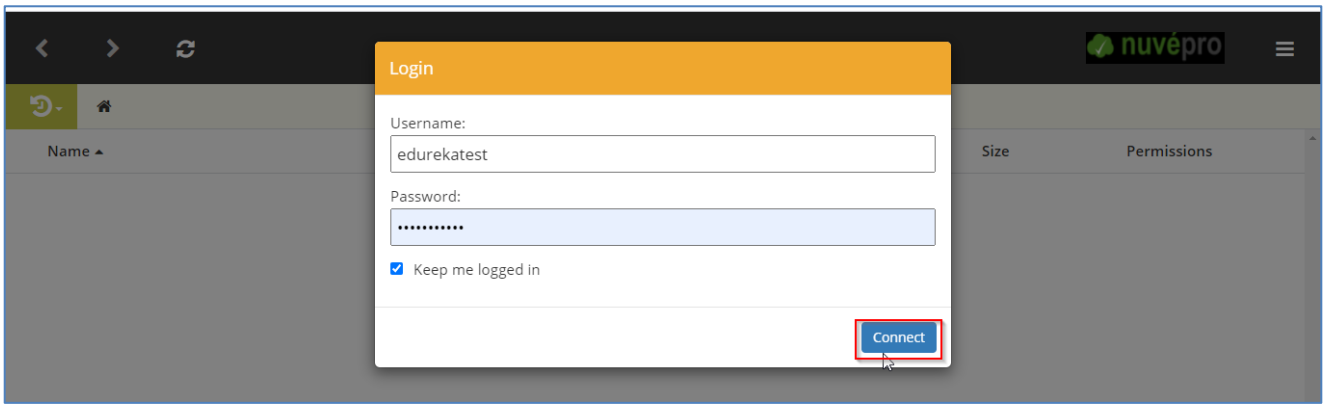
Java 8 version "1.8.0_181" Java(TM) SE Runtime Environment (build 1.8.0_181-b13) Java HotSpot(TM) 64-Bit Server VM (build 25.181-b13, mixed mode)

Uploading File from Local Machine to Edge Node

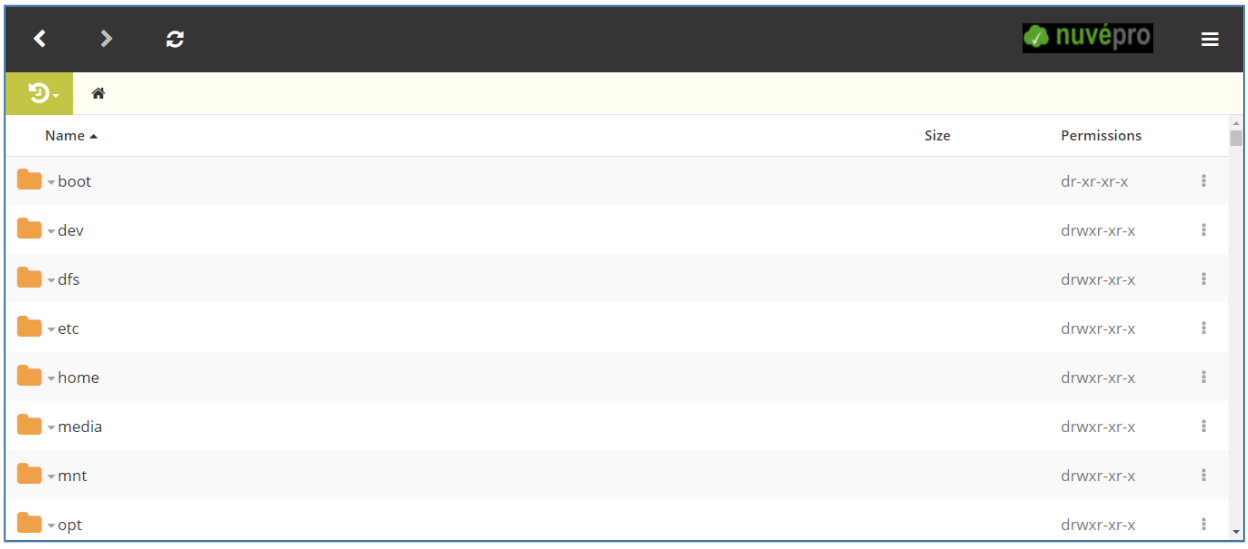
Step 1: Login to FTP Server at https://bigdata.cloudlabs.edureka.co/ftp/ using the credential provided in your LMS.



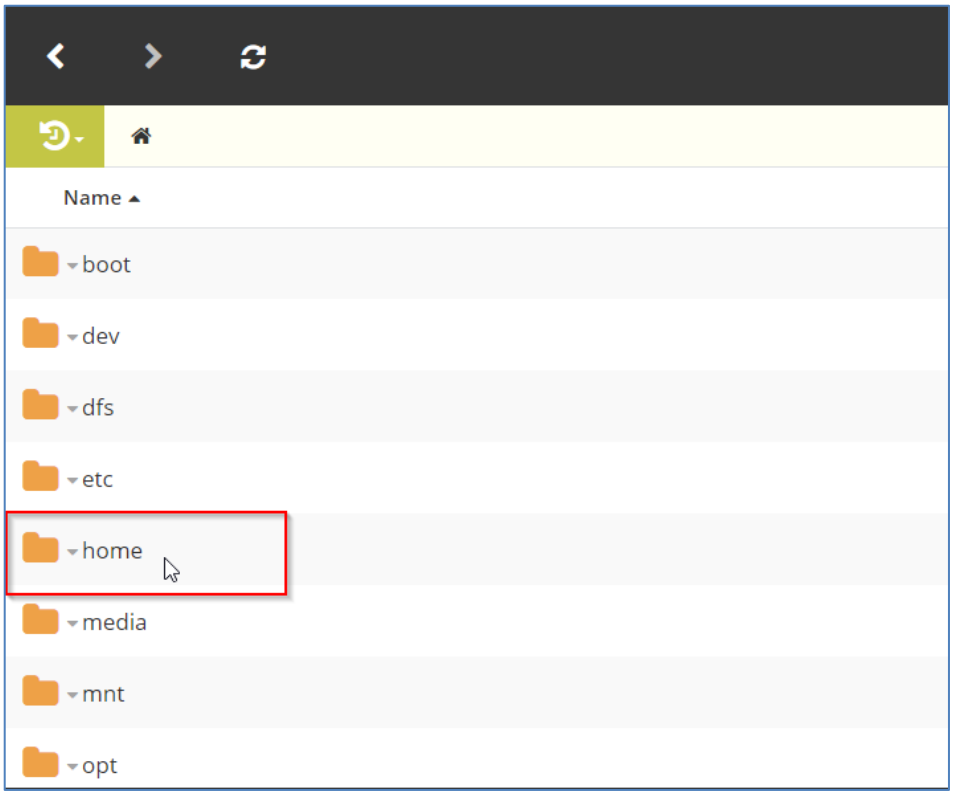
Step 2: Enter the username and password provided and click on Connect.



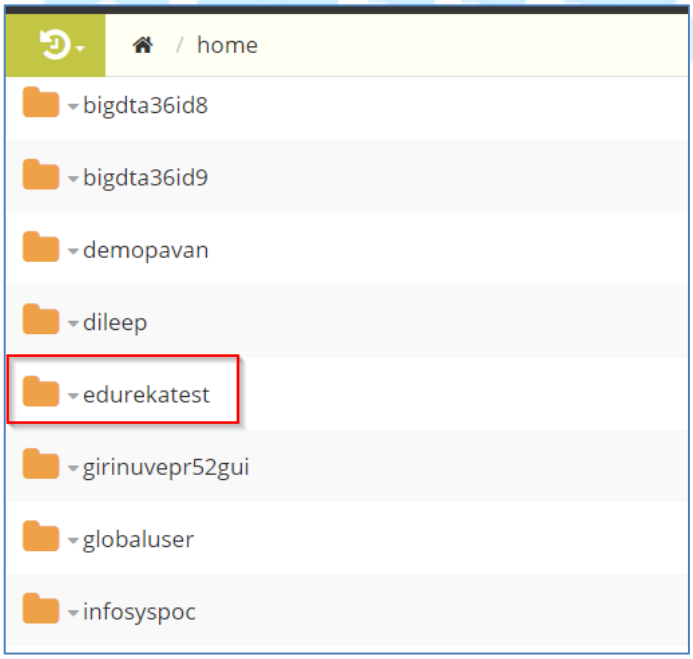
Step 3: Your screen should appear as shown below.



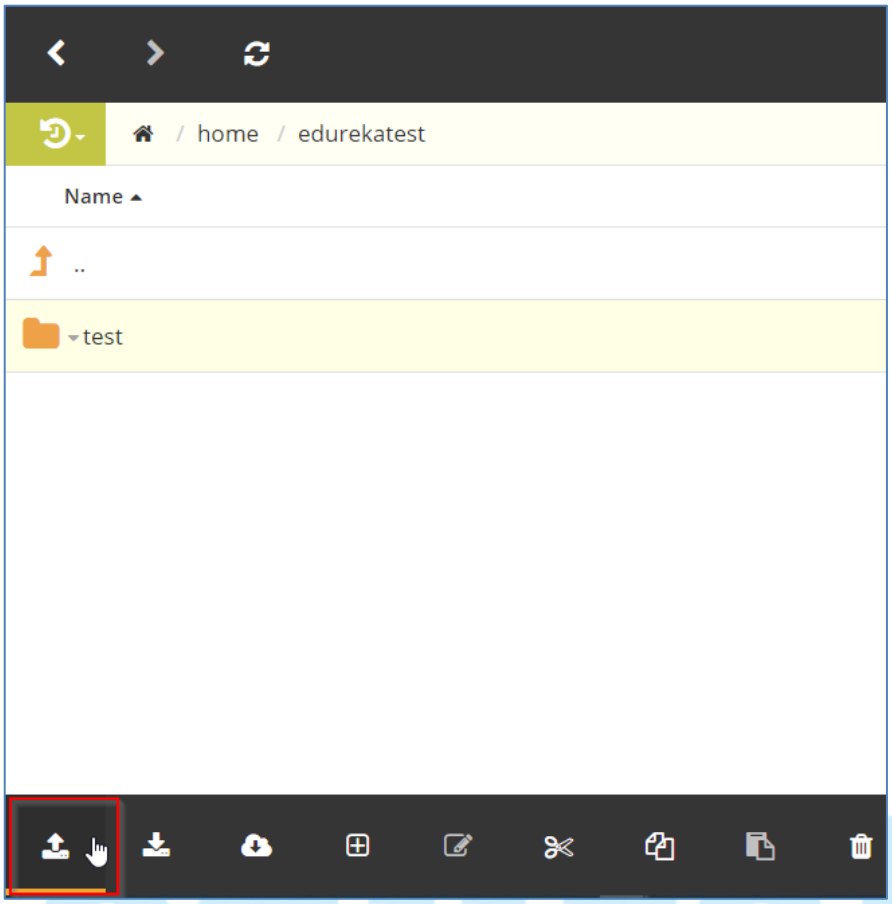
Step 4: Go to the home directory as shown



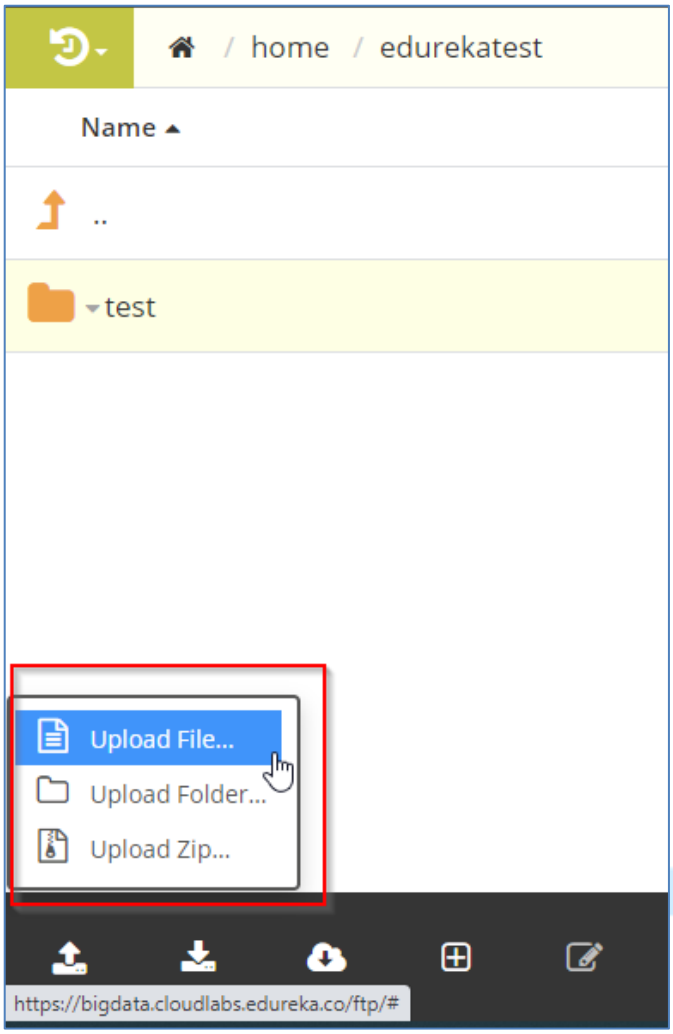
Step 6: Search for your username from the list of directories. Here the username is 'edurekatest'

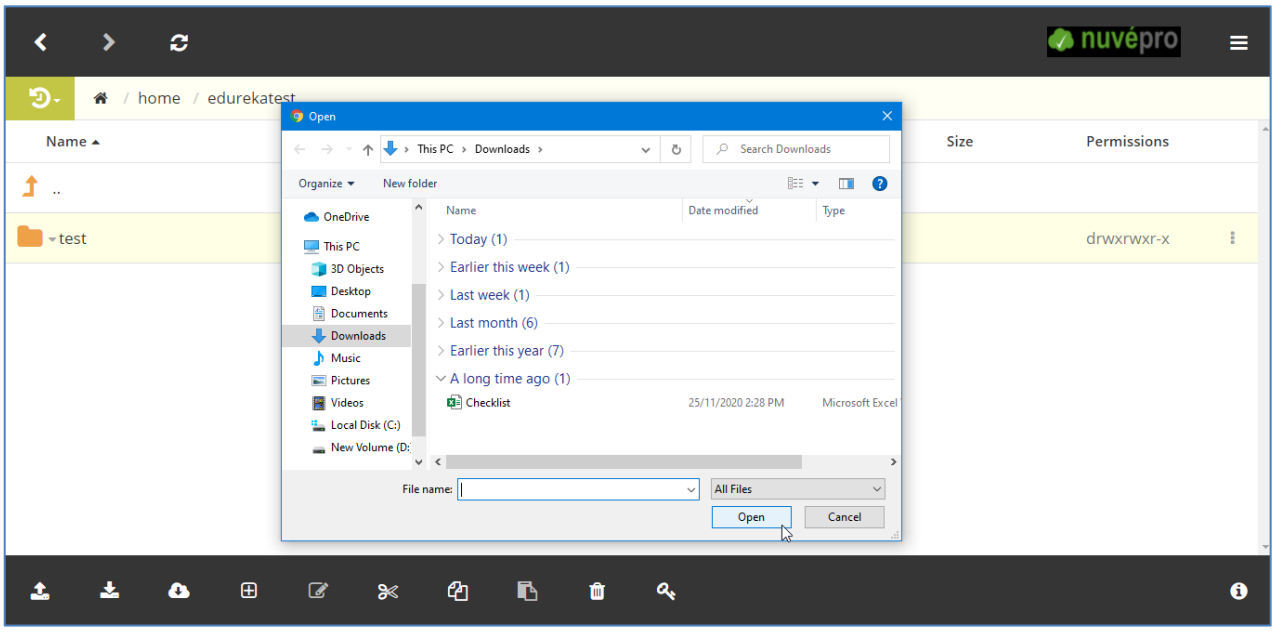


Step 7: Click on the upload tab at the bottom of the screen



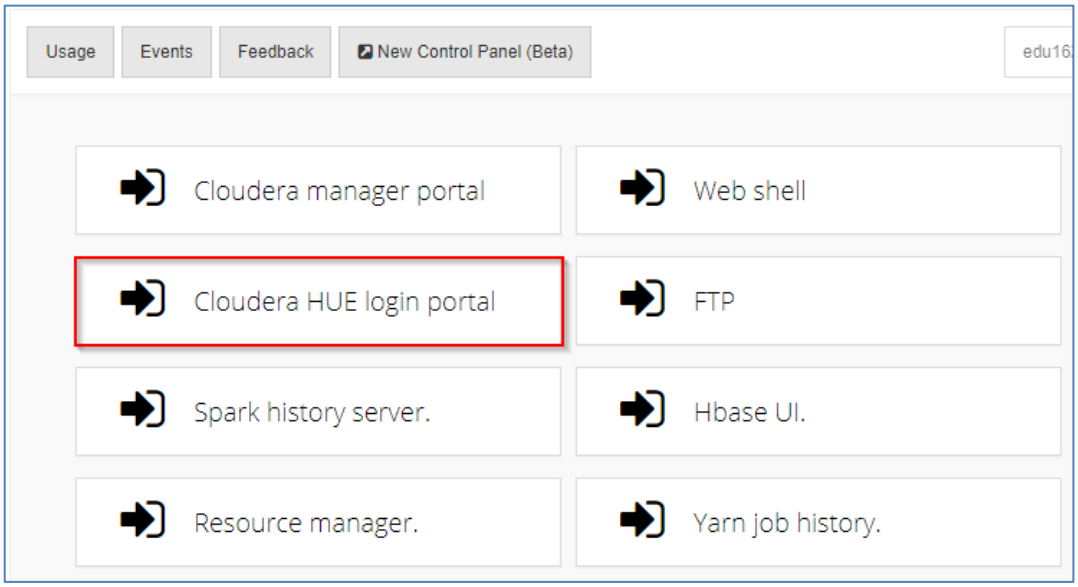
Step 8: Browse to the required directory and select the file(s) to upload.


home
edurekatest
Name
..
test
Upload File...
Upload Folder...
Upload Zip...
https://bigdata.cloudlabs.edureka.co/ftp/#

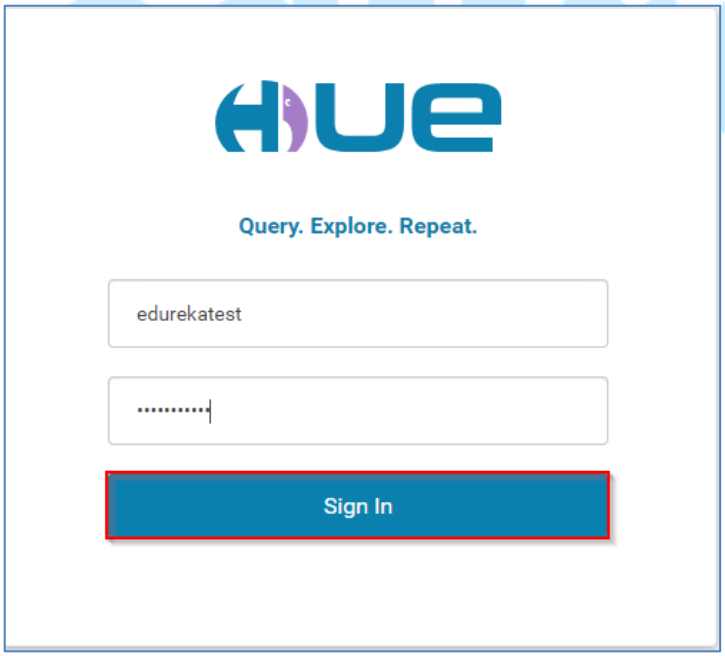

nuvepro
home
edurekatest
Name
Size
Permissions
..
test
drwxrwxr-x
Open
This PC
Downloads
Search Downloads
Organize
New folder
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
New Volume (D:
Name
Date modified
Type
Today (1)
Earlier this week (1)
Last week (1)
Last month (6)
Earlier this year (7)
A long time ago (1)
Checklist
25/11/2020 2:28 PM
Microsoft Excel
File name:
All Files
Open
Cancel

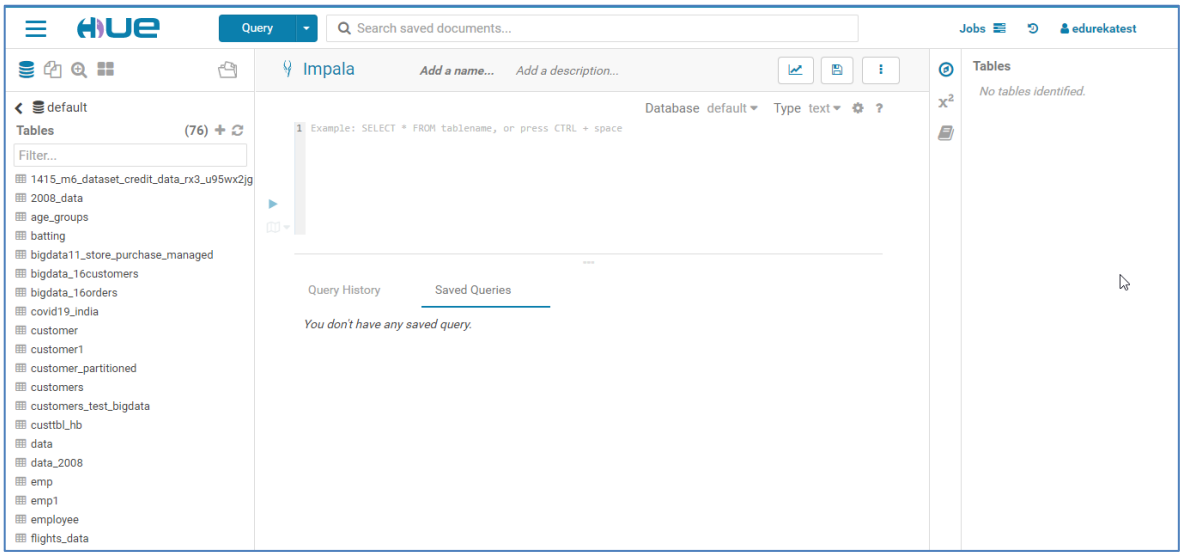
Uploading File in HDFS using Hue

Step 1: Click on My Lab tab and use the credentials provided here to login to Hue.

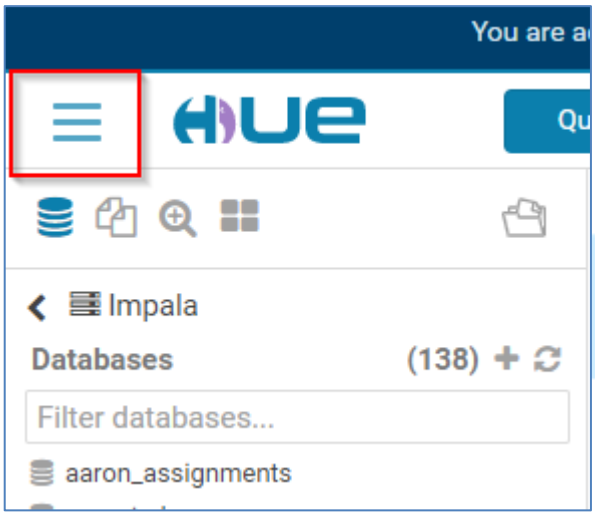


Step 2: Enter the username and password provided and click on Sign In. Your screen should appear as shown below:

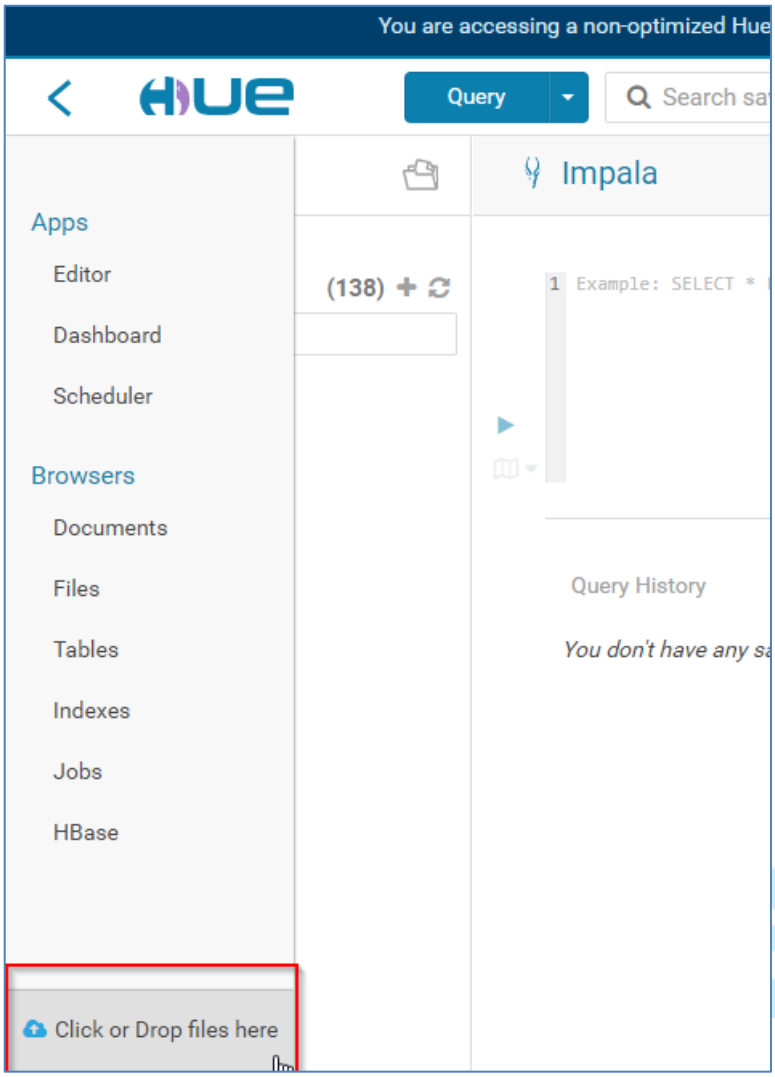


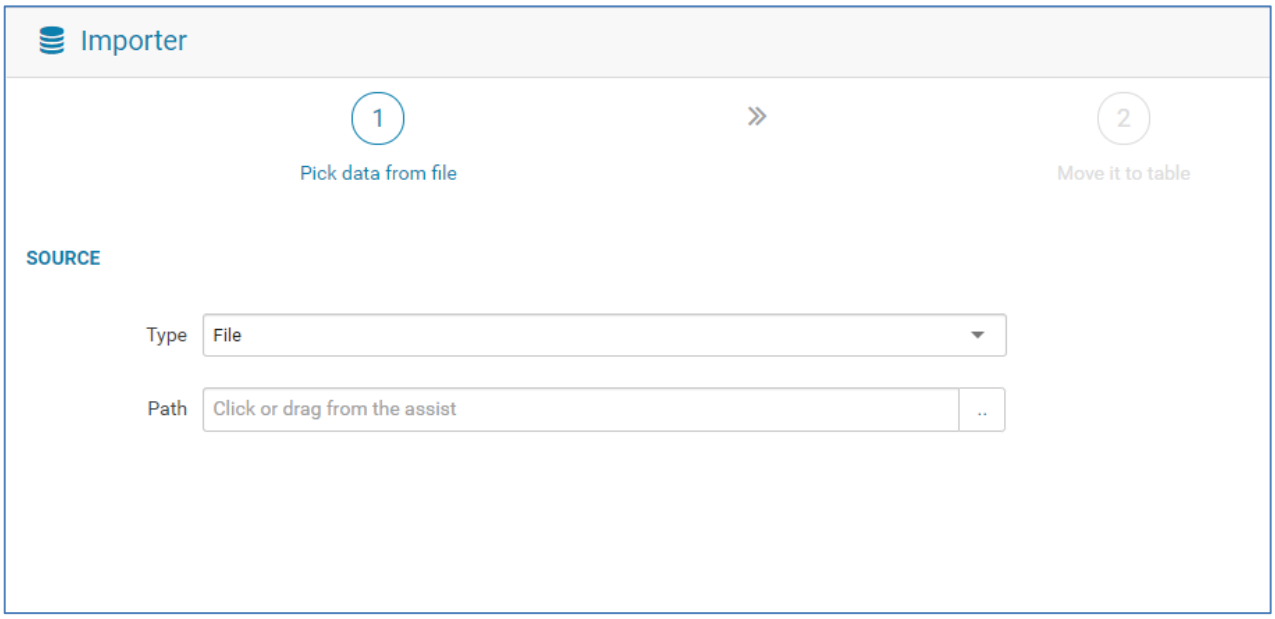


Step 3: Once you login to Hue, click on the three bars in the left panel.

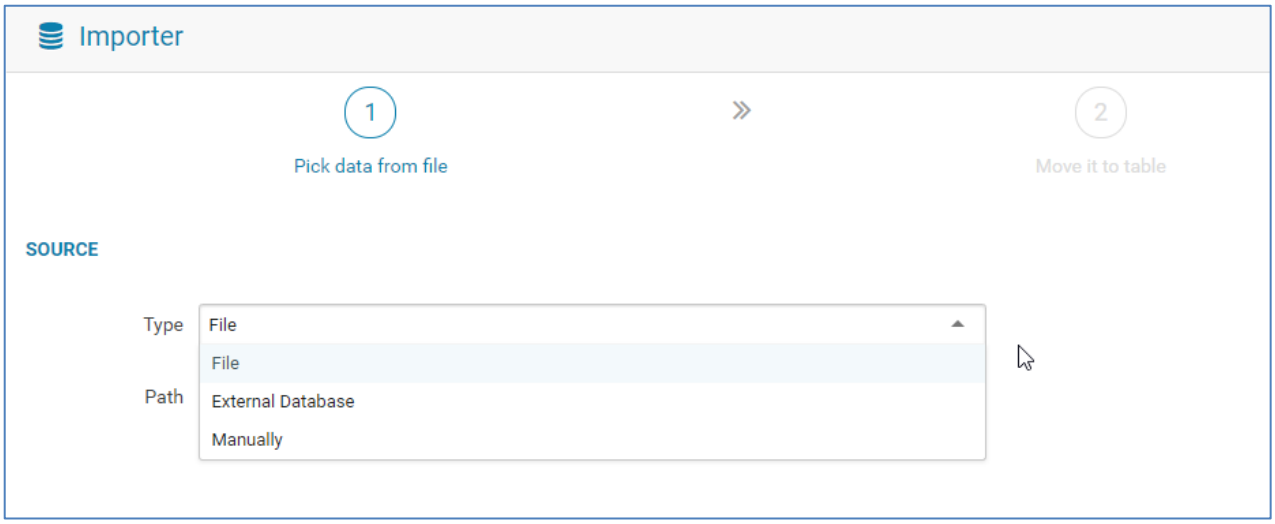


You will see an option to drop files. You screen will appear as shown below:

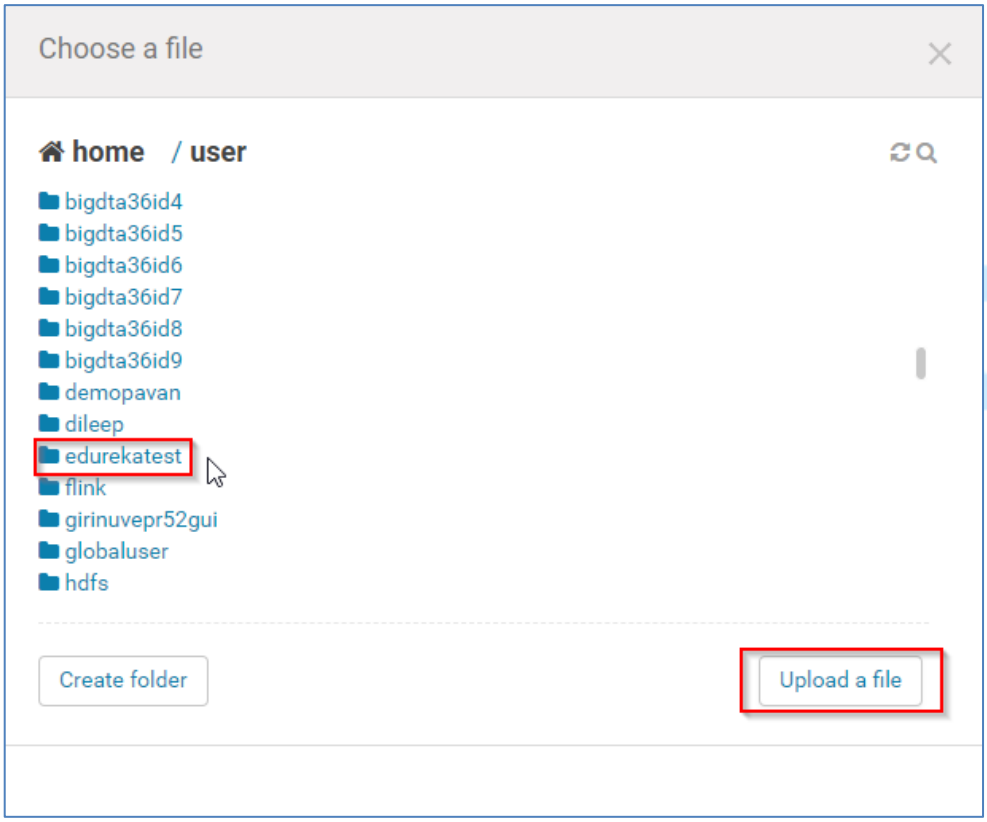




Step 4: Select the type of upload by clicking on the dropdown as shown.

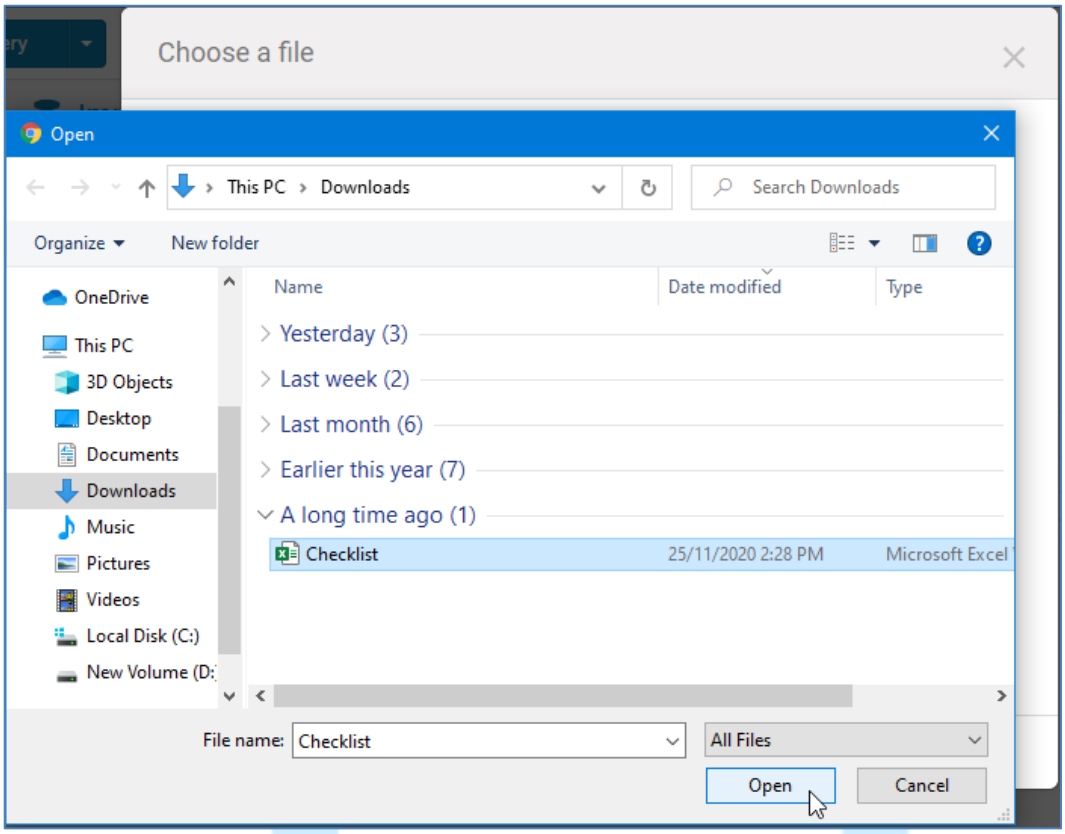


Step 5: Select the Path. Search your username from the list of directories to upload your file.



Here the username is 'edurekatest'

You can click on Upload a File option to upload the file in HDFS.


Choose a file
Open
This PC › Downloads
Search Downloads
Organize
New folder
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
New Volume (D:
Name
Date modified
Type
Yesterday (3)
Last week (2)
Last month (6)
Earlier this year (7)
A long time ago (1)
Checklist
25/11/2020 2:28 PM
Microsoft Excel
File name: Checklist
All Files
Open
Cancel