Hive Commands

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Prerequisites:

Ubuntu 18 Docker installed Cloudera installed

Loading data to HDFS:

Run Cloudera container:

docker run --hostname=quickstart.cloudera --privileged=true -t -v /home/akategra/Desktop/dataset:/user/cloudera/DWProject -i -p 8889:8888 -p 7180:7180 cloudera/quickstart /usr/bin/docker-quickstart

```
@quickstart:/home/cloudera/Desktop

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https.keystore.file=/var/lib/oozie/.keystore -Doozie.https.keystore.pass=passwor

d -Djava.library.path=:/usr/lib/hadoop/lib/native:/usr/lib/hadoop/lib/native

Using CATALINA_BASE: /var/lib/oozie/tomcat-deployment

Using CATALINA_TMPDIR: /usr/lib/bigtop-tomcat

Using CATALINA_TMPDIR: /var/lib/oozie

Using JRE_HOME: /usr/java/jdk1.7.0_67-cloudera

Using CATALINA_PID: /var/run/oozie/oozie.pid

Starting Solr server daemon: [ OK ]

Using CATALINA_BASE: /var/lib/solr/tomcat-deployment

Using CATALINA_HOME: /usr/lib/solr/./bigtop-tomcat

Using CATALINA_TMPDIR: /var/lib/solr/

Using JRE_HOME: /usr/lib/solr/

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Using CATALINA_TMPDIR: /var/lib/solr/

Using CATALINA_PID: /var/lib/solr/

Using CATALINA_PID: /var/lib/solr/./bigtop-tomcat/bin/bootstrap.jar

Using CATALINA_PID: /var/run/solr/solr.pid

Started Impala Catalog Server (catalogd): [ OK ]

[root@quickstart /]# service hue start
```

Create new directory in Container:

```
Starting hue: already running
[root@quickstart /]# cd /home/cloudera/Desktop
[root@quickstart Desktop]# ls
Enterprise.desktop Express.desktop Kerberos.desktop Parcels.desktop
[root@quickstart Desktop]# mkdir tourism_analytics
[root@quickstart Desktop]# ls
Enterprise.desktop Kerberos.desktop tourism_analytics
Express.desktop Parcels.desktop
[root@quickstart Desktop]#
```

Copy data files from Host machine to Docker container:

In a new terminal run the following command:

docker cp ~/home/akategra/Documents/DWProject

6ee9f60a208c:/home/cloudera/Desktop/tourism analyitics/

```
/nome/akategra/Documents/DWProject
akategra@ubuntu:~/Documents/DWProject$ docker cp /home/akategra/Documents/DWProj
ect/ 6ee9f60a208c:/home/cloudera/Desktop/tourism_analytics
akategra@ubuntu:~/Documents/DWProject$
```

6ee9f60a208c is the container ID.

Create directory in HDFS and copy data from Docker:

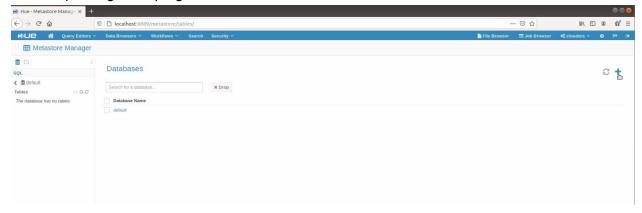
```
[root@quickstart Desktop]# hadoop fs -ls
[root@quickstart Desktop]# hadoop fs -mkdir /user/data/
[root@quickstart Desktop]# hadoop fs -mkdir /user/data/
[root@quickstart Desktop]# hadoop fs -put -f /home/cloudera/Desktop/tourism_anal
ytics /user/data
[root@quickstart Desktop]#
```

Check the directory for uploaded files:

```
[root@quickstart Desktop]# hadoop fs -ls /user/data/tourism_analytics
Found 1 items
           - root supergroup
                                       0 2021-01-07 20:26 /user/data/tourism_an
drwxr-xr-x
alytics/DWProject
[root@quickstart Desktop]# hadoop fs -ls /user/data/tourism analytics/DWProject
Found 8 items
                                      75 2021-01-07 20:25 /user/data/tourism an
-rw-r--r-- 1 root supergroup
alytics/DWProject/TOI_Event_Type.csv
rw-r--r-- 1 root supergroup 272560325 2021-01-07 20:25 /user/data/tourism_an-
alytics/DWProject/TOI_Events.csv
                                      75 2021-01-07 20:25 /user/data/tourism an
-rw-r--r-- 1 root supergroup
alytics/DWProject/TOI_Type.csv
-rw-r--r-- 1 root supergroup
                                 1122179 2021-01-07 20:25 /user/data/tourism an
alytics/DWProject/cities.csv
                                  167803 2021-01-07 20:25 /user/data/tourism_an
-rw-r--r-- 1 root supergroup
alytics/DWProject/states.csv
-rw-r--r-- 1 root supergroup 185855372 2021-01-07 20:25 /user/data/tourism_an
alytics/DWProject/things_of_interest.csv
-rw-r--r-- 1 root supergroup 143801718 2021-01-07 20:26 /user/data/tourism_an
alytics/DWProject/tourism_organisations.csv
-rw-r--r-- 1 root supergroup
                                      48 2021-01-07 20:26 /user/data/tourism_an
alytics/DWProject/travel_type.csv
[root@quickstart Desktop]#
```

Open Browser and access localhost:8889 Goto databrowser> Metastore Manager

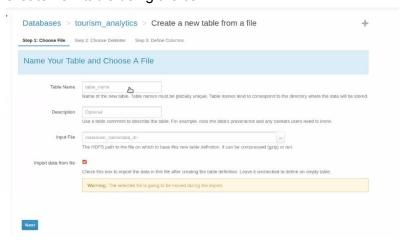
Click on plus sign in top right corner as shown below to create a new data base:



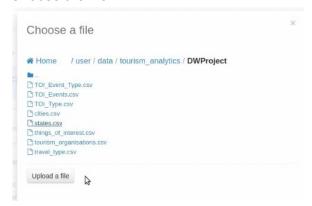
Create database by filing the required details:



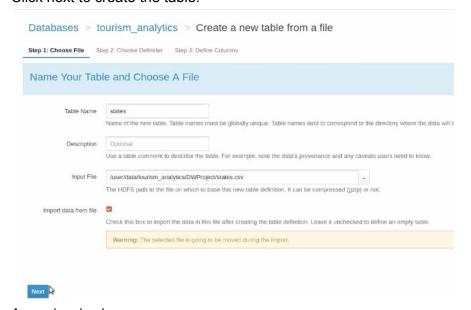
Create new table using the csv:



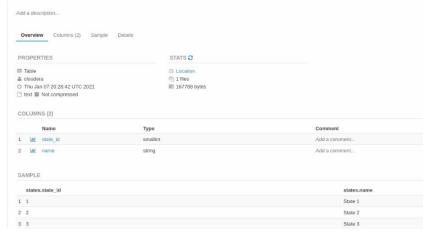
Choose the file:



Click next to create the table:



A preview is shown:



Upload all the files in this way creating tables in your database.

Querying the data:

Goto Query editor and choose Hive.

