

Creating Database:

hive

Add jar /usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar;

set hive.execution.engine=MR; set hive.cli.print.header=true;

set hive.cli.print.current.db=true;

create database if not exists health comment "Health Notification Capstone Project Hive";

use health;

Creating External Table:

```
CREATE EXTERNAL TABLE healthdb.patients_vital_info (  
  customerId int,  
  heartBeat int,  
  bp int,  
  message_time timestamp)  
STORED AS PARQUET  
LOCATION '/user/hadoop/health-alert/patients-vital-info/'  
TBLPROPERTIES ('parquet.compress'='SNAPPY');
```

```
select * from healthdb.patients_vital_info limit;  
quit;
```

Screenshots

Database, Table Creation And Fetched Records



```
hadoop@ip-172-31-92-168:~$ hive  
Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j2.properties Async: true  
hive> Add jar /usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar;  
Added [/usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar] to class path  
Added resources: [/usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar]  
hive>  
> quit;  
[hadoop@ip-172-31-92-168 ~]$ clear  
[hadoop@ip-172-31-92-168 ~]$ hive  
Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j2.properties Async: true  
hive> Add jar /usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar;  
Added [/usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar] to class path  
Added resources: [/usr/lib/hive-hcatalog/share/hcatalog/hive-hcatalog-core-2.3.6-amzn-2.jar]  
hive> set hive.execution.engine=MR;  
hive> set hive.cli.print.header=true;  
hive> set hive.cli.print.current.db=true;  
hive (default)> create database if not exists health comment "Health Notification Capstone Project Hive";  
OK  
Time taken: 0.743 seconds  
hive (default)> use health;  
OK  
Time taken: 0.023 seconds  
hive (health)> CREATE EXTERNAL TABLE health.patients_vital_info (  
  > customerId int,  
  > heartBeat int,  
  > bp int,  
  > message_time timestamp)  
  > STORED AS PARQUET  
  > LOCATION '/user/alert-health/patients-vital-info/'  
  > TBLPROPERTIES ('parquet.compress'='SNAPPY');  
OK  
Time taken: 0.239 seconds
```

All 1800 Records Fetched, Stored In HDFS And Inserted In Hive Table

```
5      70      164      2023-03-21 07:09:40.002  
1      75      166      2023-03-21 07:09:40.002  
2      70      153      2023-03-21 07:09:40.002  
3      66      178      2023-03-21 07:09:40.002  
4      72      180      2023-03-21 07:09:40.002  
5      67      170      2023-03-21 07:09:40.002  
1      75      190      2023-03-21 07:09:40.002  
2      70      154      2023-03-21 07:09:40.002  
4      66      151      2023-03-21 06:58:20.002  
5      73      159      2023-03-21 06:58:20.002  
1      74      200      2023-03-21 06:58:20.002  
2      71      156      2023-03-21 06:58:20.002  
3      71      171      2023-03-21 06:58:20.002  
4      71      157      2023-03-21 06:58:20.002  
5      73      173      2023-03-21 06:58:20.002  
1      71      176      2023-03-21 06:58:20.002  
2      68      159      2023-03-21 06:58:20.002  
3      68      160      2023-03-21 06:58:20.002  
3      73      153      2023-03-21 07:12:50.002  
4      69      168      2023-03-21 07:12:50.002  
5      73      163      2023-03-21 07:12:50.002  
1      73      173      2023-03-21 07:12:50.002  
2      68      167      2023-03-21 07:12:50.002  
3      72      170      2023-03-21 07:12:50.002  
4      71      156      2023-03-21 07:12:50.002  
5      68      152      2023-03-21 07:12:50.002  
1      74      183      2023-03-21 07:12:50.002  
2      73      167      2023-03-21 07:12:50.002  
4      69      168      2023-03-21 06:54:00.003  
5      67      176      2023-03-21 06:54:00.003  
1      70      179      2023-03-21 06:54:00.003  
2      72      175      2023-03-21 06:54:00.003  
3      73      180      2023-03-21 06:54:00.003  
4      67      155      2023-03-21 06:54:00.003  
5      72      167      2023-03-21 06:54:00.003  
1      78      176      2023-03-21 06:54:00.003  
2      67      176      2023-03-21 06:54:00.003  
3      73      163      2023-03-21 06:54:00.003  
Time taken: 0.153 seconds, Fetched: 1800 row(s)  
hive (health)>
```