

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 healthdb comment "hive database for health notification project";

use healthdb;

```
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;

```
hadoop@ip-172-31-62-240:~$ hive
[hadoop@ip-172-31-62-240 ~]$ hive

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j2.properties Async: false
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 healthdb comment "hive database for health notification project";
OK
Time taken: 0.829 seconds
hive (default)> use healthdb;
OK
Time taken: 0.051 seconds
hive (healthdb)> 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');
OK
Time taken: 0.304 seconds
hive (healthdb)> select * from healthdb.patients_vital_info limit 20;
OK
patients_vital_info.customerid patients_vital_info.heartBeat patients_vital_info.bp patients_vital_info.message_time
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
5      70      165      2023-01-15 13:53:20.003
1      74      205      2023-01-15 13:53:20.003
2      70      154      2023-01-15 13:53:20.003
3      68      164      2023-01-15 13:53:20.003
4      69      176      2023-01-15 13:54:20.013
5      71      166      2023-01-15 13:54:20.013
1      71      177      2023-01-15 13:54:20.013
2      72      162      2023-01-15 13:54:20.013
3      67      159      2023-01-15 13:54:20.013
4      69      171      2023-01-15 13:54:20.013
5      67      169      2023-01-15 13:54:20.013
1      77      218      2023-01-15 13:54:20.013
2      72      166      2023-01-15 13:54:20.013
3      66      158      2023-01-15 13:54:20.013
4      70      167      2023-01-15 13:53:40.003
5      68      180      2023-01-15 13:53:40.003
1      71      200      2023-01-15 13:53:40.003
2      73      140      2023-01-15 13:53:40.003
```

All 1800 records produced to topic, consumed and stored in hdfs and inserted in hive table

```
3      68      170      2023-01-15 14:08:50.002
4      72      156      2023-01-15 14:08:50.002
5      68      178      2023-01-15 14:08:50.002
1      74      163      2023-01-15 14:08:50.002
2      67      165      2023-01-15 14:08:50.002
3      68      158      2023-01-15 14:08:50.002
4      69      162      2023-01-15 14:08:50.002
5      72      175      2023-01-15 14:08:50.002
1      75      190      2023-01-15 14:08:50.002
2      72      158      2023-01-15 14:08:50.002
Time taken: 0.102 seconds, Fetched: 1800 row(s)
hive (healthdb)> █
```