Symbiosis Skills and Professional University

Skill Journal

Name: Yograj Anant Gadekar   **Date: 20/11/2021**
PRN:
School: School of Data Science
Course: Data Associate (Data Science) DA13
Module Name: HDFS_import, HDFS_export, HIVE_import

1. **Skill Activity Number :** 06

2. **Title:** Create DB, Tables, import and export file in HDFS by using SQOOP.

3. **Skills / Competencies to be acquired :** Linux, MYSQL, HDFS, HIVE, SQOOP

4. **Duration: 2 days.**

5. **What is the purpose of the activity?**
   Purpose of this activity is to understand how to import and export files in HDFS / HIVE using SQOOP

6. **Steps Performed in this activity?**
   1) Create Database and tables.
   2) Load file into MYSQL.
   3) Describe & select table in MYSQL.
   4) Open new terminal and import MYSQL table into HDFS using SQOOP.
   5) Show file using hdfs dfs –cat command.
   6) Export HDFS file into MYSQL using SQOOP.
   7) Rename file HDFS_import to HIVE_import in MYSQL.
   8) Import renamed file in HIVE using SQOOP.
   9) Check imported file in HIVE.

7. **What resources / materials / equipment / tools did you use for this activity?**
VM-Ware, MYSQL, HIVE, Hadoop, MS-word.

8. **What skills did you acquire?**
Linux, Hive, Hadoop, MYSQL, SQOOP Commands and Learn concepts of SQOOP.

9. **Time taken to complete this activity?**
1 hrs

```
[root@quickstart Desktop]# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 5.1.73 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| cm                 |
| firehose           |
| hue                |
| metastore          |
| mysql              |
| nav                |
| navms              |
| oozie              |
| retail_db          |
| rman               |
| sentry             |
+--------------------+
12 rows in set (0.00 sec)

mysql> create database da13;
Query OK, 1 row affected (0.00 sec)




mysql> create database da13;
Query OK, 1 row affected (0.00 sec)

mysql> use da13'
ERROR 1049 (42000): Unknown database 'da13''
mysql> use da13;
Database changed
mysql> create table HDFS_import1(Customer_ID varchar(10),Customer_Name varchar(20),Segment varchar(10)
,Age int(10),Country varchar(20),City varchar(20),State varchar(20) ,Postal_Code int(10),Region varcha
r(20));
Query OK, 0 rows affected (0.02 sec)

mysql> create table HDFS_export1(Customer_ID varchar(10),Customer_Name varchar(20),Segment varchar(10)
,Age int(10),Country varchar(20),City varchar(20),State varchar(20) ,Postal_Code int(10),Region varcha
r(20));
Query OK, 0 rows affected (0.00 sec)

mysql> show tables;
+----------------+
| Tables_in_da13 |
+----------------+
| HDFS_export1   |
| HDFS_import1   |
+----------------+
2 rows in set (0.00 sec)
```

```
mysql> load data local infile '/home/cloudera/Desktop/Customer1.csv' into table HDFS_import1 fields termi
nated by ',' lines terminated by '\r\n';
Query OK, 49 rows affected, 9 warnings (0.00 sec)
Records: 49  Deleted: 0  Skipped: 0  Warnings: 9

mysql> desc HDFS_import1;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| Customer_ID   | varchar(10) | YES  |     | NULL    |       |
| Customer_Name | varchar(20) | YES  |     | NULL    |       |
| Segment       | varchar(10) | YES  |     | NULL    |       |
| Age           | int(10)     | YES  |     | NULL    |       |
| Country       | varchar(20) | YES  |     | NULL    |       |
| City          | varchar(20) | YES  |     | NULL    |       |
| State         | varchar(20) | YES  |     | NULL    |       |
| Postal_Code   | int(10)     | YES  |     | NULL    |       |
| Region        | varchar(20) | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
9 rows in set (0.00 sec)
```

```
mysql> select * from HDFS_import1;
+-------------+------------------+-----------+-----+---------------+----------------+----------------+-------------+---------+
| Customer_ID | Customer_Name    | Segment   | Age | Country       | City           | State          | Postal_Code | Region  |
+-------------+------------------+-----------+-----+---------------+----------------+----------------+-------------+---------+
| CG-12520    | Claire Gute      | Consumer  | 67  | United States | Henderson      | Kentucky       | 42420       | South   |
| DV-13045    | Darrin Van Huff  | Corporate | 31  | United States | Los Angeles    | California     | 90036       | West    |
| SO-20335    | Sean O'Donnell   | Consumer  | 65  | United States | Fort Lauderdale| Florida        | 33311       | South   |
| BH-11710    | Brosina Hoffman  | Consumer  | 20  | United States | Los Angeles    | California     | 90032       | West    |
| AA-10480    | Andrew Allen     | Consumer  | 50  | United States | Concord        | North Carolina | 28027       | South   |
| IM-15070    | Irene Maddox     | Consumer  | 66  | United States | Seattle        | Washington     | 98103       | West    |
| HP-14815    | Harold Pawlan    | Home Offic| 20  | United States | Fort Worth     | Texas          | 76106       | Central |
| PK-19075    | Pete Kriz        | Consumer  | 46  | United States | Madison        | Wisconsin      | 53711       | Central |
| AG-10270    | Alejandro Grove  | Consumer  | 18  | United States | West Jordan    | Utah           | 84084       | West    |
| ZD-21925    | Zuschuss Donatelli| Consumer | 66  | United States | San Francisco  | California     | 94109       | West    |
| KB-16585    | Ken Black        | Corporate | 67  | United States | Fremont        | Nebraska       | 68025       | Central |
| SF-20065    | Sandra Flanagan  | Consumer  | 41  | United States | Philadelphia   | Pennsylvania   | 19140       | East    |
| EB-13870    | Emily Burns      | Consumer  | 34  | United States | Orem           | Utah           | 84057       | West    |
| EH-13945    | Eric Hoffmann    | Consumer  | 21  | United States | Los Angeles    | California     | 90049       | West    |
| TB-21520    | Tracy Blumstein  | Consumer  | 48  | United States | Philadelphia   | Pennsylvania   | 19140       | East    |
| MA-17560    | Matt Abelman     | Home Offic| 19  | United States | Houston        | Texas          | 77095       | Central |
| GH-14485    | Gene Hale        | Corporate | 28  | United States | Richardson     | Texas          | 75080       | Central |
| SN-20710    | Steve Nguyen     | Home Offic| 46  | United States | Houston        | Texas          | 77041       | Central |
| LC-16930    | Linda Cazamias   | Corporate | 31  | United States | Naperville     | Illinois       | 60540       | Central |
| RA-19885    | Ruben Ausman     | Corporate | 51  | United States | Los Angeles    | California     | 90049       | West    |
| ES-14080    | Erin Smith       | Corporate | 20  | United States | Melbourne      | Florida        | 32935       | South   |
| ON-18715    | Odella Nelson    | Corporate | 27  | United States | Eagan          | Minnesota      | 55122       | Central |
| PO-18865    | Patrick O'Donnell| Consumer  | 64  | United States | Westland       | Michigan       | 48185       | Central |
| LH-16900    | Lena Hernandez   | Consumer  | 66  | United States | Dover          | Delaware       | 19901       | East    |
| DP-13000    | Darren Powers    | Consumer  | 40  | United States | New Albany      | Indiana        | 47150       | Central |
| JM-15265    | Janet Molinari   | Corporate | 23  | United States | New York City  | New York       | 10024       | East    |
| TB-21055    | Ted Butterfield  | Consumer  | 34  | United States | Troy           | New York       | 12180       | East    |
| KM-16720    | Kunst Miller     | Consumer  | 69  | United States | Los Angeles    | California     | 90004       | West    |
| PS-18970    | Paul Stevenson   | Home Offic| 31  | United States | Chicago        | Illinois       | 60610       | Central |
| BS-11590    | Brendan Sweed    | Corporate | 45  | United States | Gilbert        | Arizona        | 85234       | West    |
| KD-16270    | Karen Daniels    | Consumer  | 59  | United States | Springfield    | Virginia       | 22153       | South   |
| HM-14980    | Henry MacAllister| Consumer  | 35  | United States | New York City  | New York       | 10009       | East    |
| JE-15745    | Joel Eaton       | Consumer  | 25  | United States | Memphis        | Tennessee      | 38109       | South   |
| KB-16600    | Ken Brennan      | Corporate | 29  | United States | Houston        | Texas          | 77041       | Central |
```

[cloudera@quickstart Desktop]$ sudo su
[root@quickstart Desktop]# cd /
[root@quickstart /]# sqoop import --connect jdbc:mysql://quickstart/da13 --table HDFS_import1 --username root -password cloudera -m 1

Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
21/11/20 02:23:22 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
21/11/20 02:23:22 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/11/20 02:23:23 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
21/11/20 02:23:23 INFO tool.CodeGenTool: Beginning code generation
21/11/20 02:23:24 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HDFS_import1` AS t LIMIT 1
21/11/20 02:23:24 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HDFS_import1` AS t LIMIT 1
21/11/20 02:23:24 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-root/compile/9fff4bd5bbe0557460bf457add8ed07a/HDFS_import1.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
21/11/20 02:23:32 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-root/compile/9fff4bd5bbe0557460bf457add8ed07a/HDFS_import1.jar
21/11/20 02:23:32 WARN manager.MySQLManager: It looks like you are importing from mysql.
21/11/20 02:23:32 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
21/11/20 02:23:32 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
21/11/20 02:23:32 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
21/11/20 02:23:32 INFO mapreduce.ImportJobBase: Beginning import of HDFS_import1
21/11/20 02:23:32 INFO Configuration.deprecation: mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
21/11/20 02:23:33 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
21/11/20 02:23:35 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
21/11/20 02:23:36 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
21/11/20 02:23:39 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)

```
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
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    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 02:23:40 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
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21/11/20 02:23:40 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
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    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 02:23:41 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
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21/11/20 02:23:41 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
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    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
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)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 02:23:43 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 02:23:44 INFO db.DBInputFormat: Using read commited transaction isolation
21/11/20 02:23:44 INFO mapreduce.JobSubmitter: number of splits:1
21/11/20 02:23:45 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1637398850950_0001
21/11/20 02:23:49 INFO impl.YarnClientImpl: Submitted application application_1637398850950_0001
21/11/20 02:23:50 INFO mapreduce.Job: The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1637398850950_0001/
21/11/20 02:23:50 INFO mapreduce.Job: Running job: job_1637398850950_0001
21/11/20 02:24:27 INFO mapreduce.Job: Job job_1637398850950_0001 running in uber mode : false
21/11/20 02:24:27 INFO mapreduce.Job: map 0% reduce 0%
21/11/20 02:24:44 INFO mapreduce.Job: map 100% reduce 0%
21/11/20 02:24:44 INFO mapreduce.Job: Job job_1637398850950_0001 completed successfully
21/11/20 02:24:45 INFO mapreduce.Job: Counters: 30
    File System Counters
            FILE: Number of bytes read=0
            FILE: Number of bytes written=170598
            FILE: Number of read operations=0
            FILE: Number of large read operations=0
            FILE: Number of write operations=0
            HDFS: Number of bytes read=87

HDFS: Number of bytes written=3995
        HDFS: Number of read operations=4
        HDFS: Number of large read operations=0
        HDFS: Number of write operations=2
    Job Counters
        Launched map tasks=1
        Other local map tasks=1
        Total time spent by all maps in occupied slots (ms)=14386
        Total time spent by all reduces in occupied slots (ms)=0
        Total time spent by all map tasks (ms)=14386
        Total vcore-milliseconds taken by all map tasks=14386
        Total megabyte-milliseconds taken by all map tasks=14731264
    Map-Reduce Framework
        Map input records=49
        Map output records=49
        Input split bytes=87
        Spilled Records=0
        Failed Shuffles=0
        Merged Map outputs=0
        GC time elapsed (ms)=126
        CPU time spent (ms)=1710
        Physical memory (bytes) snapshot=122990592
        Virtual memory (bytes) snapshot=1510187008
        Total committed heap usage (bytes)=60882944
    File Input Format Counters
        Bytes Read=0
    File Output Format Counters
        Bytes Written=3995
21/11/20 02:24:45 INFO mapreduce.ImportJobBase: Transferred 3.9014 KB in 69.5436 seconds
(57.446 bytes/sec)
21/11/20 02:24:45 INFO mapreduce.ImportJobBase: Retrieved 49 records.

Hadoop   Overview   Datanodes   Snapshot   Startup Progress   Utilities

Browse Directory

/user/root/HDFS_import1   Go!

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
-rw-r--r--	root	supergroup	0 B	Sat Nov 20 02:24:43 -0800 2021	1	128 MB	_SUCCESS
-rw-r--r--	root	supergroup	3.9 KB	Sat Nov 20 02:24:42 -0800 2021	1	128 MB	part-m-00000

Hadoop, 2017.

```
[root@quickstart /]# hdfs dfs -cat /user/root/HDFS_import1/part-m-00000;
CG-12520,Claire Gute,Consumer,67,United States,Henderson,Kentucky,42420,South
DV-13045,Darrin Van Huff,Corporate,31,United States,Los Angeles,California,90036,West
SO-20335,Sean O'Donnell,Consumer,65,United States,Fort Lauderdale,Florida,33311,South
BH-11710,Brosina Hoffman,Consumer,20,United States,Los Angeles,California,90032,West
AA-10480,Andrew Allen,Consumer,50,United States,Concord,North Carolina,28027,South
IM-15070,Irene Maddox,Consumer,66,United States,Seattle,Washington,98103,West
HP-14815,Harold Pawlan,Home Offic,20,United States,Fort Worth,Texas,76106,Central
PK-19075,Pete Kriz,Consumer,46,United States,Madison,Wisconsin,53711,Central
AG-10270,Alejandro Grove,Consumer,18,United States,West Jordan,Utah,84084,West
ZD-21925,Zuschuss Donatelli,Consumer,66,United States,San Francisco,California,94109,West
KB-16585,Ken Black,Corporate,67,United States,Fremont,Nebraska,68025,Central
SF-20065,Sandra Flanagan,Consumer,41,United States,Philadelphia,Pennsylvania,19140,East
EB-13870,Emily Burns,Consumer,34,United States,Orem,Utah,84057,West
EH-13945,Eric Hoffmann,Consumer,21,United States,Los Angeles,California,90049,West
TB-21520,Tracy Blumstein,Consumer,48,United States,Philadelphia,Pennsylvania,19140,East
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RA-19885,Ruben Ausman,Corporate,51,United States,Los Angeles,California,90049,West
ES-14080,Erin Smith,Corporate,20,United States,Melbourne,Florida,32935,South
ON-18715,Odella Nelson,Corporate,27,United States,Eagan,Minnesota,55122,Central
PO-18865,Patrick O'Donnell,Consumer,64,United States,Westland,Michigan,48185,Central
LH-16900,Lena Hernandez,Consumer,66,United States,Dover,Delaware,19901,East
DP-13000,Darren Powers,Consumer,40,United States,New Albany,Indiana,47150,Central
JM-15265,Janet Molinari,Corporate,23,United States,New York City,New York,10024,East
TB-21055,Ted Butterfield,Consumer,34,United States,Troy,New York,12180,East
KM-16720,Kunst Miller,Consumer,69,United States,Los Angeles,California,90004,West
PS-18970,Paul Stevenson,Home Offic,31,United States,Chicago,Illinois,60610,Central
BS-11590,Brendan Sweed,Corporate,45,United States,Gilbert,Arizona,85234,West
KD-16270,Karen Daniels,Consumer,59,United States,Springfield,Virginia,22153,South
HM-14980,Henry MacAllister,Consumer,35,United States,New York City,New York,10009,East
JE-15745,Joel Eaton,Consumer,25,United States,Memphis,Tennessee,38109,South
KB-16600,Ken Brennan,Corporate,29,United States,Houston,Texas,77041,Central
SC-20770,Stewart Carmichael,Corporate,18,United States,Decatur,Alabama,35601,South
DN-13690,Duane Noonan,Consumer,42,United States,San Francisco,California,94122,West
```

Step : export HDFS File into MySQL (HDFS_export1)

[root@quickstart /]# sqoop export --connect jdbc:mysql://quickstart/da13 --export-dir /user/root/HDFS_import1 --table HDFS_export1 --username root -password cloudera -m 1

Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
21/11/20 02:39:20 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
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21/11/20 02:39:21 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
21/11/20 02:39:21 INFO tool.CodeGenTool: Beginning code generation
21/11/20 02:39:22 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HDFS_export1` AS t LIMIT 1
21/11/20 02:39:22 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HDFS_export1` AS t LIMIT 1
21/11/20 02:39:22 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-root/compile/0476476a7e9d868e4393bcd9c00e0456/HDFS_export1.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
21/11/20 02:39:27 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-root/compile/0476476a7e9d868e4393bcd9c00e0456/HDFS_export1.jar
21/11/20 02:39:27 INFO mapreduce.ExportJobBase: Beginning export of HDFS_export1
21/11/20 02:39:27 INFO Configuration.deprecation: mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
21/11/20 02:39:28 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
21/11/20 02:39:30 INFO Configuration.deprecation: mapred.reduce.tasks.speculative.execution is deprecated. Instead, use mapreduce.reduce.speculative
21/11/20 02:39:30 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduce.map.speculative
21/11/20 02:39:30 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
21/11/20 02:39:31 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
21/11/20 02:39:32 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
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21/11/20 02:39:35 INFO input.FileInputFormat: Total input paths to process : 1
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21/11/20 02:39:35 INFO mapreduce.JobSubmitter: number of splits:1
21/11/20 02:39:35 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated.
Instead, use mapreduce.map.speculative
21/11/20 02:39:35 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1637398850950_0002
21/11/20 02:39:36 INFO impl.YarnClientImpl: Submitted application application_1637398850950_0002
21/11/20 02:39:36 INFO mapreduce.Job: The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1637398850950_0002/
21/11/20 02:39:37 INFO mapreduce.Job: Running job: job_1637398850950_0002
21/11/20 02:39:55 INFO mapreduce.Job: Job job_1637398850950_0002 running in uber mode : false
21/11/20 02:39:55 INFO mapreduce.Job:  map 0% reduce 0%
21/11/20 02:40:09 INFO mapreduce.Job:  map 100% reduce 0%
21/11/20 02:40:10 INFO mapreduce.Job: Job job_1637398850950_0002 completed successfully
21/11/20 02:40:10 INFO mapreduce.Job: Counters: 30
        File System Counters
                FILE: Number of bytes read=0
                FILE: Number of bytes written=170539
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
```

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            FILE: Number of write operations=0
            HDFS: Number of bytes read=4146
            HDFS: Number of bytes written=0
            HDFS: Number of read operations=4
            HDFS: Number of large read operations=0
            HDFS: Number of write operations=0
    Job Counters
            Launched map tasks=1
            Data-local map tasks=1
            Total time spent by all maps in occupied slots (ms)=11871
            Total time spent by all reduces in occupied slots (ms)=0
            Total time spent by all map tasks (ms)=11871
            Total vcore-milliseconds taken by all map tasks=11871
            Total megabyte-milliseconds taken by all map tasks=12155904
    Map-Reduce Framework
            Map input records=49
            Map output records=49
            Input split bytes=148
            Spilled Records=0
            Failed Shuffles=0
            Merged Map outputs=0
            GC time elapsed (ms)=353
            CPU time spent (ms)=1350
            Physical memory (bytes) snapshot=114774016
            Virtual memory (bytes) snapshot=1508089856
            Total committed heap usage (bytes)=60882944
    File Input Format Counters
            Bytes Read=0
    File Output Format Counters
            Bytes Written=0
21/11/20 02:40:10 INFO mapreduce.ExportJobBase: Transferred 4.0488 KB in 39.9864 seconds (103.6853
bytes/sec)
21/11/20 02:40:10 INFO mapreduce.ExportJobBase: Exported 49 records.
```

```
mysql> desc HDFS_export1;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| Customer_ID   | varchar(10) | YES  |     | NULL    |       |
| Customer_Name | varchar(20) | YES  |     | NULL    |       |
| Segment       | varchar(10) | YES  |     | NULL    |       |
| Age           | int(10)     | YES  |     | NULL    |       |
| Country       | varchar(20) | YES  |     | NULL    |       |
| City          | varchar(20) | YES  |     | NULL    |       |
| State         | varchar(20) | YES  |     | NULL    |       |
| Postal_Code   | int(10)     | YES  |     | NULL    |       |
| Region        | varchar(20) | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
9 rows in set (0.01 sec)

mysql> select * from  HDFS_export1;
+-------------+-------------------+-------------+------+---------------+-----------------+----------------+-------------+---------+
| Customer_ID | Customer_Name     | Segment     | Age  | Country       | City            | State          | Postal_Code | Region  |
+-------------+-------------------+-------------+------+---------------+-----------------+----------------+-------------+---------+
| CG-12520    | Claire Gute       | Consumer    | 67   | United States | Henderson       | Kentucky       | 42420       | South   |
| DV-13045    | Darrin Van Huff   | Corporate   | 31   | United States | Los Angeles     | California     | 90036       | West    |
| SO-20335    | Sean O'Donnell    | Consumer    | 65   | United States | Fort Lauderdale | Florida        | 33311       | South   |
| BH-11710    | Brosina Hoffman   | Consumer    | 20   | United States | Los Angeles     | California     | 90032       | West    |
| AA-10480    | Andrew Allen      | Consumer    | 50   | United States | Concord         | North Carolina | 28027       | South   |
| IM-15070    | Irene Maddox      | Consumer    | 66   | United States | Seattle         | Washington     | 98103       | West    |
| HP-14815    | Harold Pawlan     | Home Offic  | 20   | United States | Fort Worth      | Texas          | 76106       | Central |
| PK-19075    | Pete Kriz         | Consumer    | 46   | United States | Madison         | Wisconsin      | 53711       | Central |
| AG-10270    | Alejandro Grove   | Consumer    | 18   | United States | West Jordan     | Utah           | 84084       | West    |
| ZD-21925    | Zuschuss Donatelli| Consumer    | 66   | United States | San Francisco   | California     | 94109       | West    |
| KB-16585    | Ken Black         | Corporate   | 67   | United States | Fremont         | Nebraska       | 68025       | Central |
| SF-20065    | Sandra Flanagan   | Consumer    | 41   | United States | Philadelphia    | Pennsylvania   | 19140       | East    |
| EB-13870    | Emily Burns       | Consumer    | 34   | United States | Orem            | Utah           | 84057       | West    |
| EH-13945    | Eric Hoffmann     | Consumer    | 21   | United States | Los Angeles     | California     | 90049       | West    |
| TB-21520    | Tracy Blumstein   | Consumer    | 48   | United States | Philadelphia    | Pennsylvania   | 19140       | East    |
| MA-17560    | Matt Abelman      | Home Offic  | 19   | United States | Houston         | Texas          | 77095       | Central |
| GH-14485    | Gene Hale         | Corporate   | 28   | United States | Richardson      | Texas          | 75080       | Central |
| SN-20710    | Steve Nguyen      | Home Offic  | 46   | United States | Houston         | Texas          | 77041       | Central |
| LC-16930    | Linda Cazamias    | Corporate   | 31   | United States | Naperville      | Illinois       | 60540       | Central |
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| MA-17560    | Matt Abelman      | Home Offic  | 19   | United States | Houston         | Texas          | 77095       | Central |
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| SN-20710    | Steve Nguyen      | Home Offic  | 46   | United States | Houston         | Texas          | 77041       | Central |
| LC-16930    | Linda Cazamias    | Corporate   | 31   | United States | Naperville      | Illinois       | 60540       | Central |
| RA-19885    | Ruben Ausman      | Corporate   | 51   | United States | Los Angeles     | California     | 90049       | West    |
| ES-14080    | Erin Smith        | Corporate   | 20   | United States | Melbourne       | Florida        | 32935       | South   |
| ON-18715    | Odella Nelson     | Corporate   | 27   | United States | Eagan           | Minnesota      | 55122       | Central |
| PO-18865    | Patrick O'Donnell | Consumer    | 64   | United States | Westland        | Michigan       | 48185       | Central |
| LH-16900    | Lena Hernandez    | Consumer    | 66   | United States | Dover           | Delaware       | 19901       | East    |
| DP-13000    | Darren Powers     | Consumer    | 40   | United States | New Albany      | Indiana        | 47150       | Central |
| JM-15265    | Janet Molinari    | Corporate   | 23   | United States | New York City   | New York       | 10024       | East    |
| TB-21055    | Ted Butterfield   | Consumer    | 34   | United States | Troy            | New York       | 12180       | East    |
| KM-16720    | Kunst Miller      | Consumer    | 69   | United States | Los Angeles     | California     | 90004       | West    |
| PS-18970    | Paul Stevenson    | Home Offic  | 31   | United States | Chicago         | Illinois       | 60610       | Central |
| BS-11590    | Brendan Sweed     | Corporate   | 45   | United States | Gilbert         | Arizona        | 85234       | West    |
| KD-16270    | Karen Daniels     | Consumer    | 59   | United States | Springfield     | Virginia       | 22153       | South   |
| HM-14980    | Henry MacAllister | Consumer    | 35   | United States | New York City   | New York       | 10009       | East    |
| JE-15745    | Joel Eaton        | Consumer    | 25   | United States | Memphis         | Tennessee      | 38109       | South   |
| KB-16600    | Ken Brennan       | Corporate   | 29   | United States | Houston         | Texas          | 77041       | Central |
| SC-20770    | Stewart Carmichael| Corporate   | 18   | United States | Decatur         | Alabama        | 35601       | South   |
| DN-13690    | Duane Noonan      | Consumer    | 42   | United States | San Francisco   | California     | 94122       | West    |
| JC-16105    | Julie Creighton   | Corporate   | 56   | United States | Durham          | North Carolina | 27707       | South   |
| CS-12400    | Christopher Schild| Home Offic  | 33   | United States | Chicago         | Illinois       | 60623       | Central |
| PG-18895    | Paul Gonzalez     | Consumer    | 64   | United States | Rochester       | Minnesota      | 55901       | Central |
| GM-14455    | Gary Mitchum      | Home Offic  | 64   | United States | Houston         | Texas          | 77095       | Central |
| JS-15685    | Jim Sink          | Corporate   | 33   | United States | Los Angeles     | California     | 90036       | West    |
| KB-16315    | Karl Braun        | Consumer    | 70   | United States | Minneapolis     | Minnesota      | 55407       | Central |
| RB-19705    | Roger Barcio      | Home Offic  | 63   | United States | Portland        | Oregon         | 97206       | West    |
| PN-18775    | Parhena Norris    | Home Offic  | 35   | United States | New York City   | New York       | 10009       | East    |
| KD-16345    | Katherine Ducich  | Consumer    | 33   | United States | San Francisco   | California     | 94122       | West    |
| ER-13855    | Elpida Rittenbach | Corporate   | 56   | United States | Saint Paul      | Minnesota      | 55106       | Central |
| RB-19465    | Rick Bensley      | Home Offic  | 18   | United States | Chicago         | Illinois       | 60610       | Central |
| GZ-14470    | Gary Zandusky     | Consumer    | 64   | United States | Rochester       | Minnesota      | 55901       | Central |
| LC-16870    | Lena Cacioppo     | Consumer    | 63   | United States | Aurora          | Colorado       | 80013       | West    |
+-------------+-------------------+-------------+------+---------------+-----------------+----------------+-------------+---------+
49 rows in set (0.00 sec)
```

```
mysql> alter table HDFS_import1 rename HIVE_import1;
Query OK, 0 rows affected (0.18 sec)

mysql> show table;
ERROR 1064 (42000): You have an error in your SQL syntax;
mysql> show tables;
+----------------+
| Tables_in_da13 |
+----------------+
| HDFS_export1   |
| HIVE_import1   |
+----------------+
2 rows in set (0.00 sec)

mysql>
```

[root@quickstart /]# sqoop import --connect jdbc:mysql://quickstart/da13 --table HIVE_import1 --create-hive-table --hive-import --username root -password cloudera -m 1

Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
21/11/20 03:43:28 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
21/11/20 03:43:28 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/11/20 03:43:28 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
21/11/20 03:43:28 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
21/11/20 03:43:29 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
21/11/20 03:43:29 INFO tool.CodeGenTool: Beginning code generation
21/11/20 03:43:32 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HIVE_import1` AS t LIMIT 1
21/11/20 03:43:32 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `HIVE_import1` AS t LIMIT 1
21/11/20 03:43:32 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-root/compile/853d544b8241c6e87ea9328ceb50fb2d/HIVE_import1.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
21/11/20 03:43:41 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-root/compile/853d544b8241c6e87ea9328ceb50fb2d/HIVE_import1.jar
21/11/20 03:43:42 WARN manager.MySQLManager: It looks like you are importing from mysql.
21/11/20 03:43:42 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
21/11/20 03:43:42 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.

21/11/20 03:43:42 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)

21/11/20 03:43:42 INFO mapreduce.ImportJobBase: Beginning import of HIVE_import1

21/11/20 03:43:42 INFO Configuration.deprecation: mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address

21/11/20 03:43:43 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

21/11/20 03:43:46 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps

21/11/20 03:43:46 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032

21/11/20 03:43:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)

21/11/20 03:43:53 WARN hdfs.DFSClient: Caught exception
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```

```
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    at java.lang.Thread.join(Thread.java:1281)
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org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
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    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
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org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:54 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:55 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
```

```
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:55 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
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org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:55 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeInternal(DFSOutputStream.java:935)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:931)
21/11/20 03:43:55 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:57 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
```

```
        at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:57 INFO db.DBInputFormat: Using read commited transaction isolation
21/11/20 03:43:58 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
        at java.lang.Object.wait(Native Method)
        at java.lang.Thread.join(Thread.java:1281)
        at java.lang.Thread.join(Thread.java:1355)
        at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:58 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
        at java.lang.Object.wait(Native Method)
        at java.lang.Thread.join(Thread.java:1281)
        at java.lang.Thread.join(Thread.java:1355)
        at
org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967
)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
        at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
21/11/20 03:43:58 INFO mapreduce.JobSubmitter: number of splits:1
21/11/20 03:43:58 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1637398850950_0003
21/11/20 03:44:00 INFO impl.YarnClientImpl: Submitted application application_1637398850950_0003
21/11/20 03:44:00 INFO mapreduce.Job: The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1637398850950_0003/
21/11/20 03:44:00 INFO mapreduce.Job: Running job: job_1637398850950_0003
21/11/20 03:44:27 INFO mapreduce.Job: Job job_1637398850950_0003 running in uber mode : false
21/11/20 03:44:27 INFO mapreduce.Job:  map 0% reduce 0%
21/11/20 03:44:58 INFO mapreduce.Job:  map 100% reduce 0%
21/11/20 03:44:58 INFO mapreduce.Job: Job job_1637398850950_0003 completed successfully
21/11/20 03:44:59 INFO mapreduce.Job: Counters: 30
        File System Counters
                FILE: Number of bytes read=0
                FILE: Number of bytes written=170595
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=87
```

HDFS: Number of bytes written=3995
                HDFS: Number of read operations=4
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
        Job Counters
                Launched map tasks=1
                Other local map tasks=1
                Total time spent by all maps in occupied slots (ms)=28158
                Total time spent by all reduces in occupied slots (ms)=0
                Total time spent by all map tasks (ms)=28158
                Total vcore-milliseconds taken by all map tasks=28158
                Total megabyte-milliseconds taken by all map tasks=28833792
        Map-Reduce Framework
                Map input records=49
                Map output records=49
                Input split bytes=87
                Spilled Records=0
                Failed Shuffles=0
                Merged Map outputs=0
                GC time elapsed (ms)=274
                CPU time spent (ms)=1870
                Physical memory (bytes) snapshot=116572160
                Virtual memory (bytes) snapshot=1510162432
                Total committed heap usage (bytes)=60882944
        File Input Format Counters
                Bytes Read=0
        File Output Format Counters
                Bytes Written=3995
21/11/20 03:44:59 INFO mapreduce.ImportJobBase: Transferred 3.9014 KB in 73.6229 seconds
(54.263 bytes/sec)
21/11/20 03:44:59 INFO mapreduce.ImportJobBase: Retrieved 49 records.
21/11/20 03:44:59 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM
`HIVE_import1` AS t LIMIT 1
21/11/20 03:45:00 INFO hive.HiveImport: Loading uploaded data into Hive

Logging initialized using configuration in jar:file:/usr/lib/hive/lib/hive-common-1.1.0-cdh5.13.0.jar!/hive-
log4j.properties
OK
Time taken: 19.855 seconds
Loading data to table default.hive_import1
Table default.hive_import1 stats: [numFiles=1, totalSize=3995]
OK
Time taken: 1.663 seconds

```
[root@quickstart /]# hive

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties
WARNING: Hive CLI is deprecated and migration to Beeline is recommended.
hive> show tables;
OK
da13
doctor
hello
hive_import1
p_win_data
patient
pdiagnosis
pet
pubg_data1
pubg_data2
Time taken: 1.319 seconds, Fetched: 10 row(s)
hive> select * from hive_import1;
OK
CG-12520      Claire Gute      Consumer      67      United States   Henderson      Kentucky       42420    South
DV-13045      Darrin Van Huff Corporate      31      United States   Los Angeles    California      90036    West
SO-20335      Sean O'Donnell  Consumer       65      United States   Fort Lauderdale Florida 33311         South
BH-11710      Brosina Hoffman Consumer       20      United States   Los Angeles    California      90032    West
AA-10480      Andrew Allen    Consumer       50      United States   Concord North Carolina  28027        South
IM-15070      Irene Maddox    Consumer       66      United States   Seattle Washington      98103        West
HP-14815      Harold Pawlan   Home Offic     20      United States   Fort Worth     Texas    76106   Central
PK-19075      Pete Kriz       Consumer       46      United States   Madison Wisconsin       53711        Central
AG-10270      Alejandro Grove Consumer       18      United States   West Jordan    Utah     84084   West
ZD-21925      Zuschuss Donatelli      Consumer      66      United States   San Francisco   California      94109    West
KB-16585      Ken Black       Corporate      67      United States   Fremont Nebraska        68025        Central

KB-16600      Ken Brennan     Corporate      29      United States   Houston Texas    77041    Central
SC-20770      Stewart Carmichael      Corporate     18      United States   Decatur Alabama 35601         South
DN-13690      Duane Noonan    Consumer       42      United States   San Francisco   California      94122    West
JC-16105      Julie Creighton Corporate      56      United States   Durham  North Carolina  27707        South
CS-12400      Christopher Schild      Home Offic    33      United States   Chicago Illinois        60623        Central
PG-18895      Paul Gonzalez   Consumer       64      United States   Rochester      Minnesota      55901    Central
GM-14455      Gary Mitchum    Home Offic     64      United States   Houston Texas    77095    Central
JS-15685      Jim Sink        Corporate      33      United States   Los Angeles    California      90036    West
KB-16315      Karl Braun      Consumer       70      United States   Minneapolis    Minnesota      55407    Central
RB-19705      Roger Barcio    Home Offic     63      United States   Portland       Oregon 97206     West
PN-18775      Parhena Norris  Home Offic     35      United States   New York City   New York        10009        East
KD-16345      Katherine Ducich        Consumer      33      United States   San Francisco   California      94122    West
ER-13855      Elpida Rittenbach       Corporate     56      United States   Saint Paul     Minnesota      55106    Central
RB-19465      Rick Bensley    Home Offic     18      United States   Chicago Illinois        60610        Central
GZ-14470      Gary Zandusky   Consumer       64      United States   Rochester      Minnesota      55901    Central
LC-16870      Lena Cacioppo   Consumer       63      United States   Aurora  Colorado        80013        West
Time taken: 1.42 seconds, Fetched: 49 row(s)
hive> desc hive_import1;
OK
customer_id             string
customer_name           string
segment                 string
age                     int
country                 string
city                    string
state                   string
postal_code             int
region                  string
Time taken: 0.427 seconds, Fetched: 9 row(s)
hive>
```