

Assignment14.1

load a table contents from Hive to Hbase table

creating a table in hive

```
hive>  
>  
> create external table empdata(sno int,name string,age int,salary int,dept string)  
> stored as orc  
> location '/home/acadgild';
```

OK

Time taken: 0.859 seconds

loading data into hive table

```
hive> load data inpath '/user/acadgild/employee' overwrite into table empdata;  
Loading data to table default.empdata  
Table default.empdata stats: [numFiles=0, numRows=0, totalSize=0, rawDataSize=0]
```

OK

Time taken: 5.035 seconds

creating a table in hbase from hive

```
hive> CREATE TABLE example_hbase(sno int,name string,age int,salary int,dept string)  
> STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'  
> WITH SERDEPROPERTIES ('hbase.columns.mapping' = ':key,emp:name,emp:age,emp:salary,emp:dept');
```

OK

table is created in hbase

```
hbase(main):001:0> list  
TABLE  
SLF4J: Class path contains multiple SLF4J bindings.  
SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerBinder.class]  
SLF4J: Found binding in [jar:file:/usr/local/hadoop-2.6.0/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]  
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.  
2017-05-28 21:20:40,287 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Acadgild  
Details  
PersonDetails  
customer  
employload  
employee  
example hbase  
filterexample
```

generating hfiles for the table

```
hive> SET hive.hbase.generatehfiles=true;
hive> SET hfile.family.path=/home/acadgild/14.1;
```

loading data from hive to hbase

```
hive> INSERT OVERWRITE TABLE example_hbase
> SELECT DISTINCT sno,name,age,salary,dept from empdata
> CLUSTER BY sno;
```

loading the HFiles into the HBase table

```
hive> export HADOOP_CLASSPATH=`hbase classpath`
> yarn jar /usr/local/hbase/hbase-server-0.98.14-hadoop2.jar completebulkload /home/acadgild/14.1 example_hbase;
```

OUTPUT

data loaded from hive to hbase

```
hbase(main):067:0> scan 'example_hbase'
```

ROW	COLUMN+CELL
1	column=emp:age, timestamp=1495986796910, value=22
1	column=emp:dept, timestamp=1495986797869, value=sales
1	column=emp:name, timestamp=1495986796563, value=Robin
1	column=emp:salary, timestamp=1495986797340, value=25000
1	column=emp:sno, timestamp=1495986796049, value=1
2	column=emp:age, timestamp=1495986798936, value=23
2	column=emp:dept, timestamp=1495986799628, value=admin
2	column=emp:name, timestamp=1495986798596, value=Jaya
2	column=emp:salary, timestamp=1495986799316, value=20000
2	column=emp:sno, timestamp=1495986798252, value=2
3	column=emp:age, timestamp=1495986800800, value=23
3	column=emp:dept, timestamp=1495986801283, value=sales
3	column=emp:name, timestamp=1495986800349, value=Maya
3	column=emp:salary, timestamp=1495986801057, value=25000
3	column=emp:sno, timestamp=1495986800119, value=3
4	column=emp:age, timestamp=1495986802068, value=25
4	column=emp:dept, timestamp=1495986802656, value=admin
4	column=emp:name, timestamp=1495986801801, value=Alia
4	column=emp:salary, timestamp=1495986802371, value=50000
4	column=emp:sno, timestamp=1495986801609, value=4
5	column=emp:age, timestamp=1495986803676, value=23
5	column=emp:dept, timestamp=1495986804451, value=sales
5	column=emp:name, timestamp=1495986803301, value=David
5	column=emp:salary, timestamp=1495986804122, value=45000
5	column=emp:sno, timestamp=1495986802944, value=5
6	column=emp:age, timestamp=1495986805140, value=30
6	column=emp:dept, timestamp=1495986805455, value=admin
6	column=emp:name, timestamp=1495986804957, value=Omar
6	column=emp:salary, timestamp=1495986805314, value=30000
6	column=emp:sno, timestamp=1495986804758, value=6

```
5 row(s) in 0.8520 seconds
```