



Creating Lookup Tables

1. Creating "CC_lookup_data_hbase" table (hive-hbase integrated table) which will be visible in HBase(lookup_data_hive).

CREATE TABLE CC_LOOKUP_DATA_HBASE('CARD_ID' STRING,'UCL' DOUBLE, 'SCORE' INT, 'POSTCODE'
STRING, 'TRANSACTION_DT' TIMESTAMP) STORED BY
'org.apache.hadoop.hive.hbase.HBaseStorageHandler' WITH SERDEPROPERTIES
("hbase.columns.mapping"=":key, lookup_card_family:ucl,
lookup_card_family:score,lookup_transactions_family:postcode,
lookup_transactions_family:transactions_dt") TBLPROPERTIES
("hbase.table.name" = "cc_lookup_data_hive");

```
hive> CREATE TABLE CC_LOOKUP_DATA_HBASE(`CARD_ID` STRING, `UCL` DOUBLE, `SCORE` INT, `POSTCODE`

> STRING, `TRANSACTION_DT` TIMESTAMP) STORED BY

> 'org.apache.hadoop.hive.hbase.HBaseStorageHandler' WITH SERDEPROPERTIES

> ("hbase.columns.mapping"=":key, lookup_card_family:ucl, lookup_card_family:score,

> lookup_transactions_family:postcode, lookup_transactions_family:transactions_dt") TBLPROPERTIES

> ("hbase.table.name" = "cc_lookup_data_hive");

OK

Time taken: 1.65 seconds

hive>
```

Verifying details of cc_lookup_data_hive (hive-hbase integrated) table:

describe 'cc_lookup_data_hive'

3. Altering "cc_lookup_data_hive" table and setting VERSIONS to 10 for lookup_transaction_family since as per the problem statement we have to store last 10 transactions in lookup table.

alter 'cc_lookup_data_hive', {NAME => 'lookup_transactions_family', VERSIONS => 10}





4. Verify details of "cc_lookup_data_hive" (hive-hbase integrated) table after altering version to 10 : describe 'cc_lookup_data_hive'

```
[root@ip-172-31-21-198 ec2-user] # describe 'cc_lookup_data_hive'
bash: describe: command not found
[root@ip-172-31-21-198 ec2-user] # hbase shell
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
Version 1.4.13, rUnknown, Fri Apr 17 15:18:24 UTC 2020

hbase(main):001:0> describe 'cc_lookup_data_hive'
Table cc_lookup_data_hive

cc_lookup_data_hive

CC_UMN FAMILIES DESCRIPTION
(NAME => 'lookup_card_family', BLOOMFILTER => 'ROW', VERSIONS => 'l', IN_MEMORY => 'false', KEEP_DELETED

CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VERSIONS
=> '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0')
(NAME => 'lookup_transactions_family', BLOOMFILTER => 'ROW', VERSIONS => '10', IN_MEMORY => 'false', KEE
P_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0')

VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0')

VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0')

Nobase (main):002:0> [
```