

Creating Lookup Table

Command to create the Lookup Table

-----HIVE

- Creating Hive-base integrated lookup table

```
CREATE TABLE 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_transaction_family:postcode,  
lookup_transaction_family:transaction_dt") TBLPROPERTIES  
("hbase.table.name" = "lookup_data_hive");
```

Command to see the table created

-----HBASE

- **Describing lookup table in HBase** describe
'lookup_data_hive'

- Altering lookup table

```
alter 'lookup_data_hive', {NAME =>  
'lookup_transaction_family', VERSIONS => 10}  
describe 'lookup_data_hive'
```

```
hive> CREATE TABLE 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_transaction_family:postcode, lookup_transaction_family:transaction_dt")
> TBLPROPERTIES ("hbase.table.name" = "lookup_data_hive");
OK
Time taken: 2.39 seconds
```

```
hbase(main):003:0> describe 'lookup_data_hive'
Table lookup_data_hive is ENABLED
lookup_data_hive
COLUMN FAMILIES DESCRIPTION
(NAME => 'lookup_card_family', BLOOMFILTER => 'ROW', VERSIONS => '1', 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_transaction_family', BLOOMFILTER => 'ROW', VERSIONS => '1', 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')
2 row(s) in 0.0240 seconds
```

```
hbase(main):004:0> alter 'lookup_data_hive', {NAME => 'lookup_transaction_family', VERSIONS => 10}
Updating all regions with the new schema...
1/1 regions updated.
Done.
0 row(s) in 1.9100 seconds
```