

## Creating Lookup Table

### 1. Command to create the Lookup Table

Create "lookup\_data\_hbase" table (hive-hbase integrated table) which will be visible in HBase (lookup\_data\_hive).

----- **Hive Operations: Starts Here**-----

```
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");
```

----- **Hive Operations: Ends Here**-----

### 2. <Command to see the table created>

To check the table attributes

Execute command in Hbase shell : describe 'lookup\_data\_hive'

### 3. Screenshot of the created table

1. Create "lookup\_data\_hbase" table

```
hive> CREATE TABLE LOOKUP_DATA_HBASE(`CARD_ID` STRING,`UCL` DOUBLE, `SCORE` INT,
`POSTCODE` STRING, `TRANSACTION_DT` TIMESTAMP) STORED BY 'org.apache.hadoop.hiv
e.hbase.HBaseStorageHandler' WITH SERDEPROPERTIES ("hbase.columns.mapping"=:key
, lookup_card_family:ucl, lookup_card_family:score, lookup_transaction_family:po
stcode, lookup_transaction_family:transaction_dt") TBLPROPERTIES ("hbase.table.n
ame" = "lookup_data_hive");
OK
Time taken: 2.698 seconds
hive>
```

2. Describe 'lookup\_data\_hive'

```
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', BL
OCKSIZE => '65536', REPLICATION_SCOPE => '0')
(NAME => 'lookup_transaction_family', BLOOMFILTER => 'ROW', VERSIONS => '10', IN
MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE'
, TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCACHE => 't
rue', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0')
2 row(s) in 0.0280 seconds
```