Hive connection with HBase assignment

1. Create table in hive from sales\_order\_data

create external table hbase\_sales\_info(

ORDERNUMBER int,

QUANTITYORDERED int,

PRICEEACH float,

ORDERLINENUMBER int,

SALES float,

STATUS string,

QTR\_ID int,

MONTH\_ID int,

YEAR\_ID int,

PRODUCTLINE string,

MSRP int,

PRODUCTCODE string,

PHONE string,

CITY string,

STATE string,

POSTALCODE string,

COUNTRY string,

TERRITORY string,

CONTACTLASTNAME string,

CONTACTFIRSTNAME string,

DEALSIZE string

)

row format delimited

fields terminated by ','

tblproperties (“skip.header.line.count” = “1”);

**loading data into hive table**

load data local inpath ‘file:///home/cloudera/hive\_data/sales\_order.csv’ into table sales\_order\_csv;

1. Create table in hbase :-

Create ‘sales\_order’, ‘sales\_info’,’personal\_info’,’order\_info’:

1. Create another external table in hive for HBase

create external table hbase\_sales\_info(

ORDERNUMBER int,

QUANTITYORDERED int,

PRICEEACH float,

ORDERLINENUMBER int,

SALES float,

STATUS string,

QTR\_ID int,

MONTH\_ID int,

YEAR\_ID int,

PRODUCTLINE string,

MSRP int,

PRODUCTCODE string,

PHONE string,

CITY string,

STATE string,

POSTALCODE string,

COUNTRY string,

TERRITORY string,

CONTACTLASTNAME string,

CONTACTFIRSTNAME string,

DEALSIZE string

)

row format delimited

fields terminated by ','

stored by 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'

with serdeproperties ("hbase.columns.mapping" = ":key,order\_info:QUANTITYORDERED, order\_info:ORDERLINENUMBER, order\_info:DEALSIZE, order\_info:Status,

sales\_info:PRICEEACH,sales\_info:SALES, sales\_info:QTR\_ID, sales\_info:MONTH\_ID, sales\_info:YEAR\_ID, sales\_info:PRODUCTLINE, sales\_info:MSRP, sales\_info:PRODUCTCODE,

personal\_info:PHONE, personal\_info:CITY, personal\_info:STATE, personal\_info:POSTALCODE, personal\_info:COUNTRY, personal\_info:TERRITORY, personal\_info:CONTACTLASTNAME, personal\_info:CONTACTFIRSTNAME")

tblproperties("hbase.table.name" = "sales\_order");

1. Loading data in hbase\_hive tables from already created hive table

Insert into hbase\_saless\_info select \* from sales\_order\_csv;