TEZ Installation on YARN in Single Node Hadoop Cluster

Step 1: Download TEZ tar file from tez.apache.org

wget https://dlcdn.apache.org/tez/0.7.1/apache-tez-0.7.1-bin.tar.gz --no-check-certificate

Step 2: Untar and configure libraries in hadoop

```
tar xvzf apache-tez-0.7.1-bin.tar.gz
sudo mv apache-tez-0.7.1-bin /usr/local/tez
cd /usr/local/tez
hadoop fs -mkdir -p /apps/tez
hadoop fs -put tez-0.7.1.tar.gz /apps/tez/
```

mkdir /usr/local/tez/conf

Step 3: Create tez-site.xml file and update the configured path

Step 4: Disable virtual memory checks in yarn-site.xml

vi /usr/local/hadoop/etc/hadoop/yarn-site.xml

Restart the yarn services:-

stop-yarn.sh start-yarn.sh

Step 4: Add environment variables into .bashrc file

vi ~/.bashrc

```
export TEZ_HOME=/usr/local/tez
export TEZ_CONF_DIR=${TEZ_HOME}/conf
export HADOOP_CLASSPATH="${HADOOP_CLASSPATH}:${TEZ_CONF_DIR}:$(find
${TEZ_HOME} -name "*.jar" | paste -sd ":")"
```

source ~/.bashrc

Step 5: Installation get completed. Get into hive and test

hive

hive> set hive.execution.engine;

hive> select state, city, profession, count(*), max(amount), sum(amount) from txnrecords t inner join tblcustomer c on t.custno = c.custno group by state, city, profession order by city;

hive> select a.custno,a.salesamount,b.profession from (select custno,sum(amount) salesamount from txnrecords where amount > 10 group by custno) a inner join (select custno,profession from tblcustomer where age > 50) b on a.custno = b.custno;

hive> set hive.execution.engine=tez;

hive> select state,city, profession, count(*),max(amount),sum(amount) from txnrecords t inner join tblcustomer c on t.custno = c.custno group by state,city,profession order by city;

hive> select a.custno,a.salesamount,b.profession from (select custno,sum(amount) salesamount from txnrecords where amount > 10 group by custno) a inner join (select custno,profession from tblcustomer where age > 50) b on a.custno = b.custno

!!! THANK YOU !!!