Configuring Hive 2.1 and Tez 0.8

To configure Hive on Tez, repeat the following steps on each node where you want to configure Hive on Tez. Tez mode for MR jobs is not compatible with all MR jobs and so, do not set up the whole cluster to work on Tez.

1. Install Tez 0.8 if it is already not installed.
   To install, run the following command:

On CentOS / RedHat	yum install mapr-tez
On SUSE	zypper install mapr-tez
On Ubuntu	apt-get install mapr-tez

2. Create the `/apps/tez` directory on MapR-FS.
   To create, run the following commands:

   ```
   hadoop fs -mkdir /apps
   hadoop fs -mkdir /apps/tez
   ```

3. Upload the Tez libraries to the `tez` directory on MapR-FS.
   To upload, run the following commands:

   ```
   hadoop fs -put /opt/mapr/tez/tez-0.8 /apps/tez
   hadoop fs -chmod -R 755 /apps/tez
   ```

4. Verify the upload.
   To verify, run the following command:

   ```
   hadoop fs -ls /apps/tez/tez-0.8
   ```

5. Set the Tez environment variables. To set, open the `/opt/mapr/hive/hive-2.1/conf/hive-env.sh` file, add the following lines, and save the file:

   ```
   export TEZ_CONF_DIR=/opt/mapr/tez/tez-0.8/conf
   export TEZ_JARS=/opt/mapr/tez/tez-0.8/*:/opt/mapr/tez/tez-0.8/lib/*
   export HADOOP_CLASSPATH=$TEZ_CONF_DIR:$TEZ_JARS:$HADOOP_CLASSPATH
   ```

   Note: Repeat this step on each node where you want Hive on Tez to be configured.

6. Configure Hive for Tez engine. To configure, open the `/opt/mapr/hive/hive-2.1/conf/hive-site.xml` file, add the following lines, and save the file.

   ```
   <property>
     <name>hive.execution.engine</name>
     <value>tez</value>
   </property>
   ```

   Note: Repeat this step on each node where you want Hive on Tez to be configured.