**INSTALLATION DOCUMENTATION**

This is for Ubuntu user only…..

* **sudo apt-get install maven – to install maven**

After installing Maven, check it by using the below command:--

**mvn –version**

* **Download the protobuff 2.5.0 and untar the file.**

**mv** protobuf-2.5.0 $HOME/---to move the protobuf to home directory .

* 🡪 To configure protocol buffer..

**./autogen.sh**

**./configure –prefix=/usr**

**make**

**make install**

* 🡪To check the protocol buffers version

**Protoc –version**

* 🡪Now download the tar file for Apache Tez -0.8.2
* 🡪Untar the file
* **Tar –xvf apache-tez-0.8.2.tar.gz**
* 🡪**Move into the extracted tar folder..**
* Open the pom .xml site..
* **gedit pom.xml**
* **Change the version of JAVA , PROTOCOL BUFFER and PIG (IF YOU WANT TO IMPLEMENT TEZ USING PIG)**
* **S**ave the file and close it
* 🡪Now to bulid tez type the following command as it is:

**mvn clean package –DskipTests**

**or**

* **mvn clean package -DskipTests=true –Dmaven.javadoc.skip=true**
* 🡪Now, in the **target**directory of **tez-dist**you can see two tar balls are created:

**tez-0.8.1-alpha.tar.gz && tez-0.8.1-alpha-minimal.tar.gz**

* 🡪Create a tez folder in the home directory

**mkdir tez**

* 🡪Now, create a folder with name **tez**in your HDFS, using the below command:

**hdfs dfs –mkdir /tez**

* **🡪** Copy the **tez-0.8.1-alpha.tar.gz**tar ball into the directory using the below command:
* **hdfs dfs –put tez-0.8.2.tar.gs /tez**
* 🡪You can check whether the file has copied to HDFS or not by using the below command:
* **hdfs dfs –ls /tez**
* **🡪**Now, within the tez folder, which is in your local file system, create two folders with name **conf**and **tez**using the below commands:
* **mkdir conf**
* **mkdir tez**
* 🡪**Extract the contents of the file tez-0.8.1-alpha-minimal.tar.gz to the newly created tez folder**

🡪Now, create a file **tez-site.xml**in your newly created **conf directory**and add the below configurations in the tez-site.xml file:

**<configuration>**

**<property>**

**<name>tez.lib.uris</name>**

**<value>hdfs://localhost:9000/tez/tez-0.8.2.tar.gz</value>**

**</property>**

**</configuration>**

* 🡪Now close and save the file. Your Tez is ready! You can now integrate it with Hadoop by adding the following properties in your **hadoop-env.sh**file of Hadoop.

**export TEZ\_CONF\_DIR=/home/srijan/tez/conf/**

**export TEZ\_JARS=/home/srijan/tez/tez/**

**export HADOOP\_CLASSPATH=${TEZ\_CONF\_DIR}:${TEZ\_JARS}/\*:${TEZ\_JARS}/lib/\*:${HADOOP\_CLASSPATH}: ${JAVA\_JDBC\_LIBS}:${MAPREDUCE\_LIBS}**

* **Note:**You need to provide theconf directory folder path in the CONF\_DIR and in the TEZ\_JARS you need to give the untared **tez-0.8.2-minimal.tar.gz**folder.