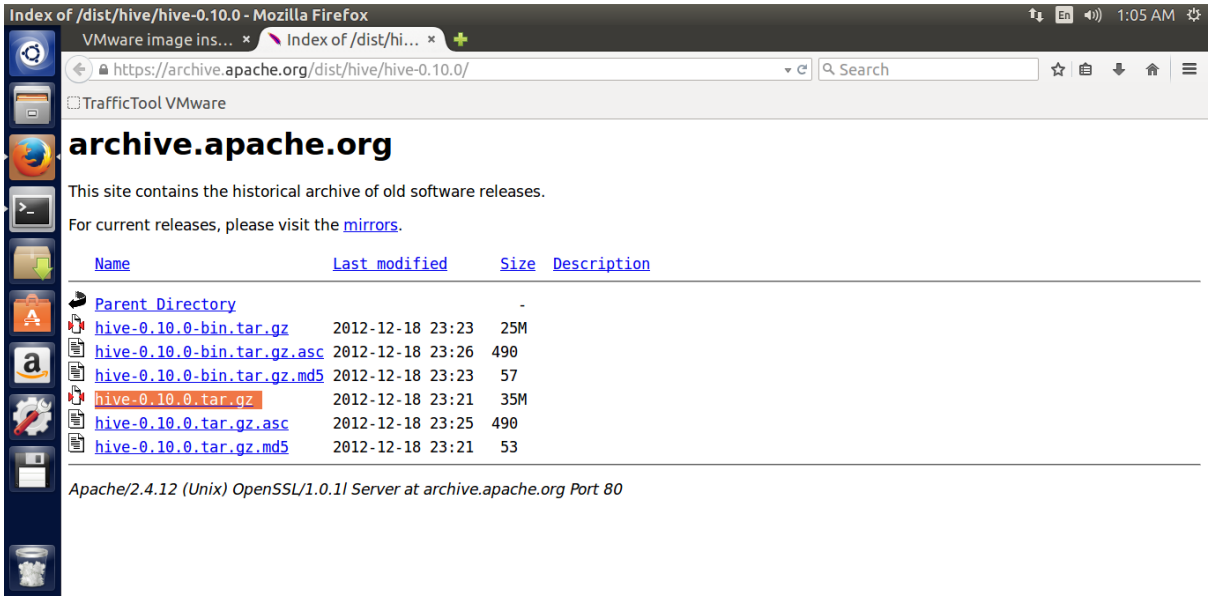
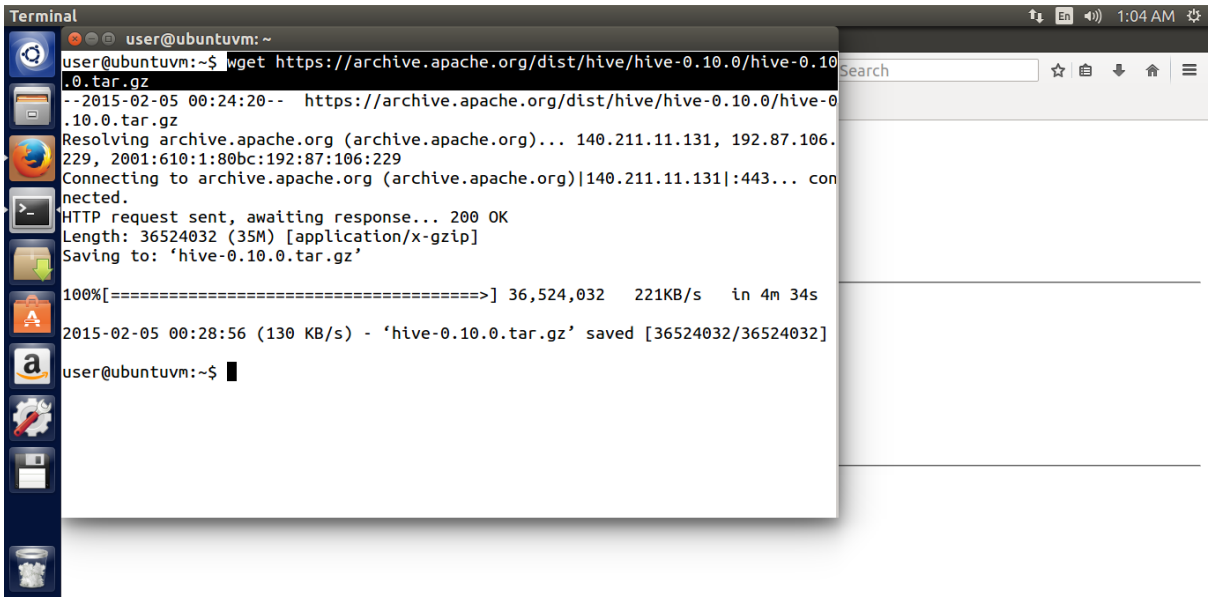
HIVE – INSTALLATION GUIDE

Step 1: Download Hive stable version

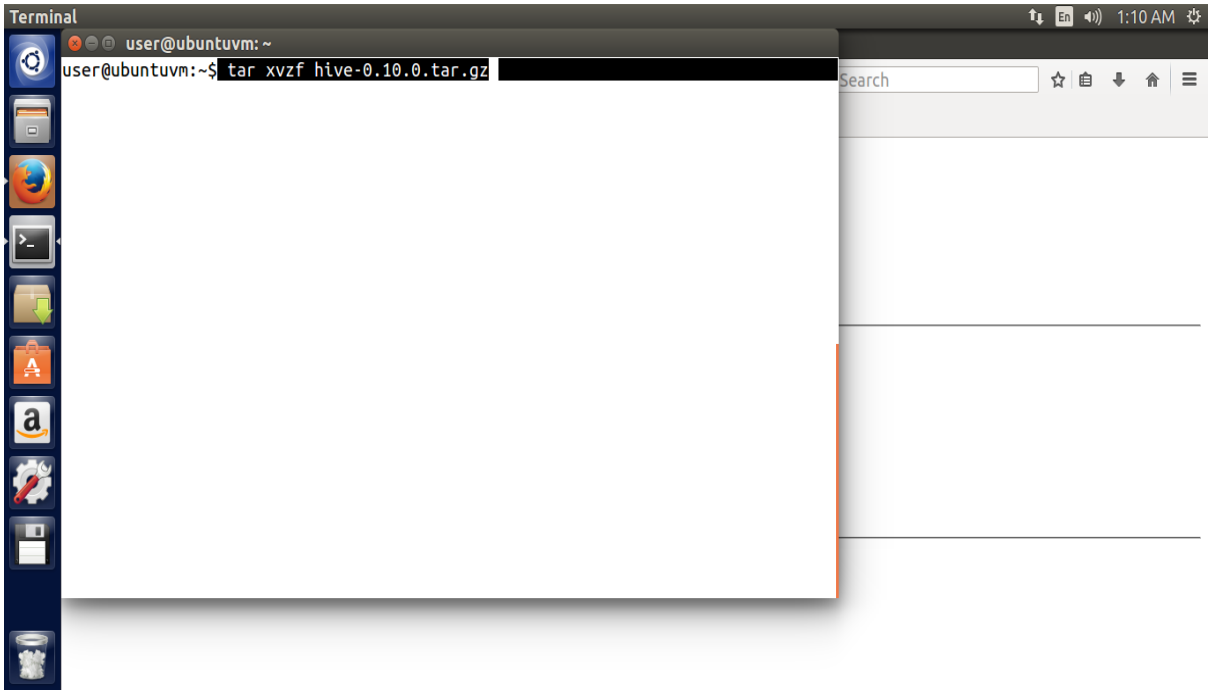
Go to link: https://archive.apache.org/dist/hive/hive-0.10.0/





Step 2: Extract the tar file

Command: tar xvzf hive-0.10.0.tar.gz



Step 3: Set the HIVE_HOME path in bashrc file

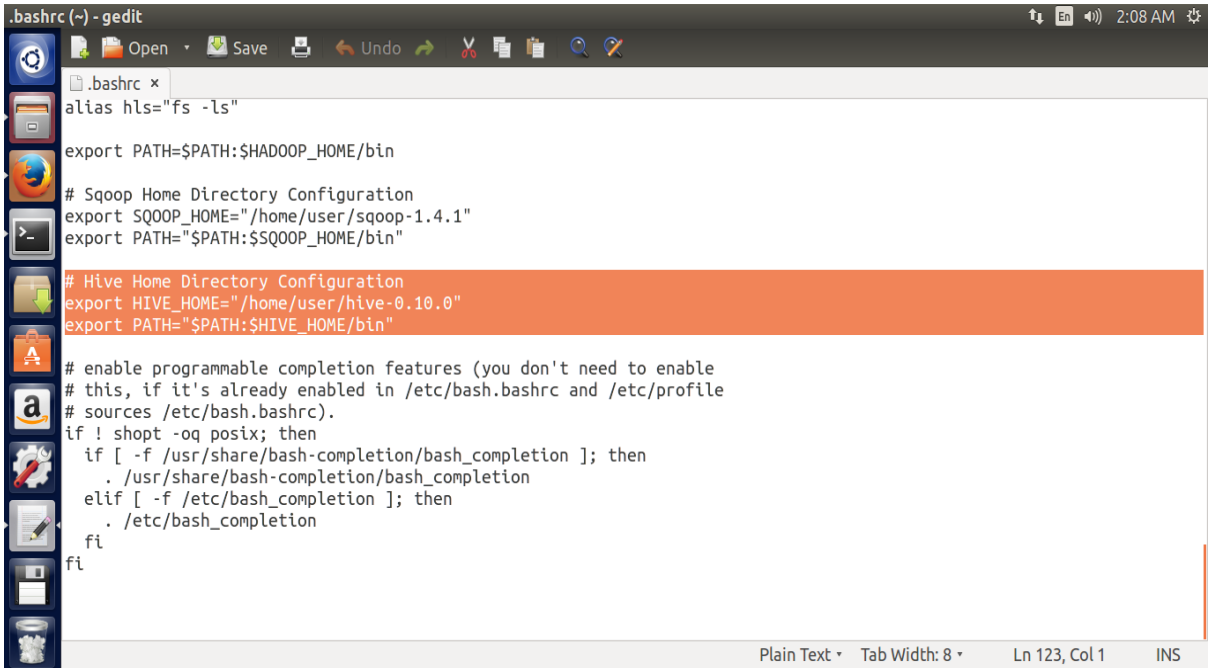
Command: gedit ~/.bashrc

Step 4: In bashrc file append the below 2 statements

Command:

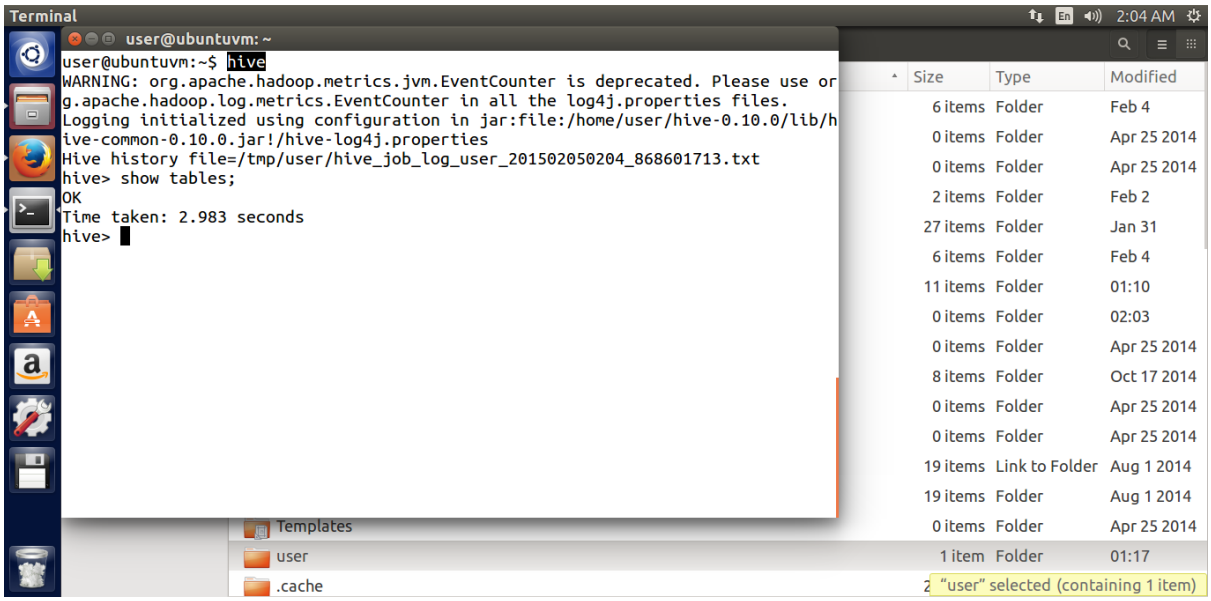
export HIVE_HOME=/home/user/hive-0.10.0

export PATH=$PATH:$HIVE_HOME/bin



Step 5: Type hive in command line as shown:

Command: hive



Step 6: Create the Database and User

Create a metastore_db database in MySQL database using root user/home user

```
$ mysql -u root -p

Enter password:

mysql> CREATE DATABASE metastore_db;
```

Step 7: Create a User [hiveuser] in MySQL database using root user/home user

```
mysql> CREATE USER 'hiveuser'@'%' IDENTIFIED BY 'hivepassword';

mysql> GRANT all on *.* to 'hiveuser'@localhost identified by 'hivepassword';
```

[here the user hiveuser is same as ConnectionUserName in hive-site.xml file.]

```
mysql>  flush privileges;
```

Step 8: Configure the Metastore Service to Communicate with the MySQL Database

Create hive-site.xml file in $HIVE_HOME/conf directory and add the following configurations:

```
<configuration>
    <property>
    <name>javax.jdo.option.ConnectionURL</name>
    <value>jdbc:mysql://localhost/metastore_db?createDatabaseIfNotExist=true</value>
    <description>metadata is stored in a MySQL server</description>
    </property>
    <property>
    <name>javax.jdo.option.ConnectionDriverName</name>
```

```
<value>com.mysql.jdbc.Driver</value>
        <description>MySQL JDBC driver class</description>
        </property>
        <property>
        <name>javax.jdo.option.ConnectionUserName</name>
        <value>hiveuser</value>
        <description>user name for connecting to mysql server </description>
        </property>
        <property>
        <name>javax.jdo.option.ConnectionPassword</name>
        <value>hivepassword</value>
        <description>password for connecting to mysql server </description>
        </property>
        </configuration>
```

That's all. Now hive will create the schema at the backend. Let us check:

Hive console: hive> create table hivetesting(id string);

MySQL console:

There are 2 ways to access metastore_db:

1. mysql -u root -p

   Enter password:

   mysql> use metastore_db;

   mysql> show tables ;

2. mysql -u hiveuser -p metastore_db

   Enter password:

   mysql> show tables;