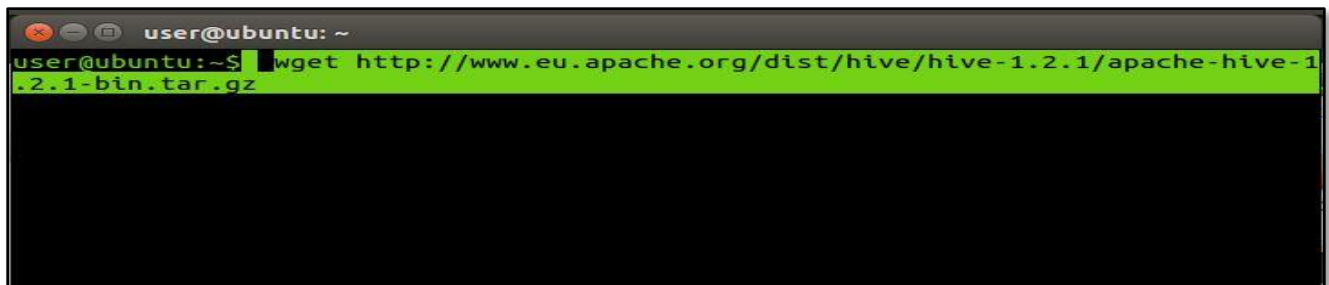


INSTALLATION MANUAL: HIVE

Step 1: Download Hive from apache website in /home/user/ directory

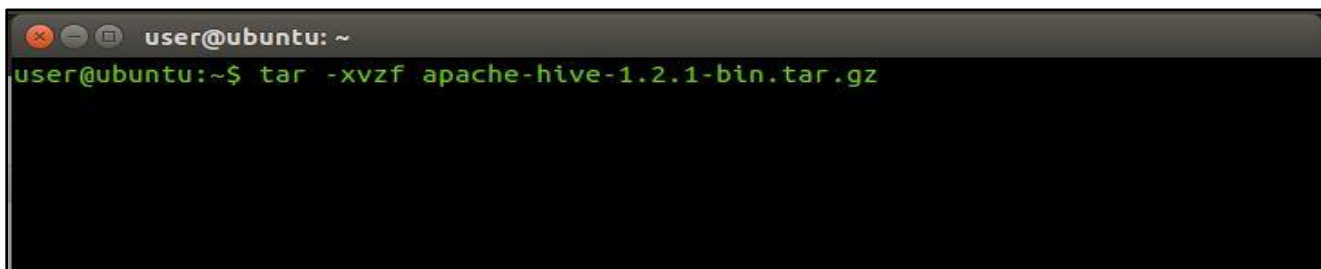
```
$ wget http://www.eu.apache.org/dist/hive/hive-1.2.1/apache-hive-1.2.1-bin.tar.gz
```

A terminal window titled 'user@ubuntu: ~' showing the command 'wget http://www.eu.apache.org/dist/hive/hive-1.2.1/apache-hive-1.2.1-bin.tar.gz' being entered at the prompt 'user@ubuntu:~\$'. The command is highlighted in green.

```
user@ubuntu: ~  
user@ubuntu:~$ wget http://www.eu.apache.org/dist/hive/hive-1.2.1/apache-hive-1.2.1-bin.tar.gz
```

Step 2: Extract the file

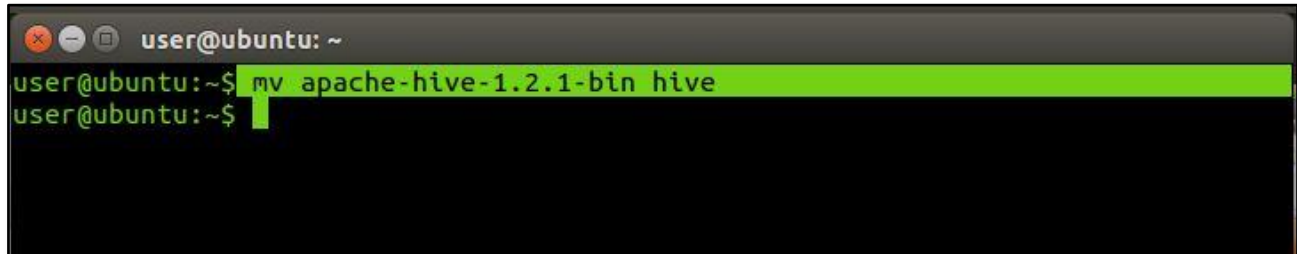
```
$ tar -xvzf apache-hive-1.2.1-bin.tar.gz
```

A terminal window titled 'user@ubuntu: ~' showing the command 'tar -xvzf apache-hive-1.2.1-bin.tar.gz' being entered at the prompt 'user@ubuntu:~\$'. The command is highlighted in green.

```
user@ubuntu: ~  
user@ubuntu:~$ tar -xvzf apache-hive-1.2.1-bin.tar.gz
```

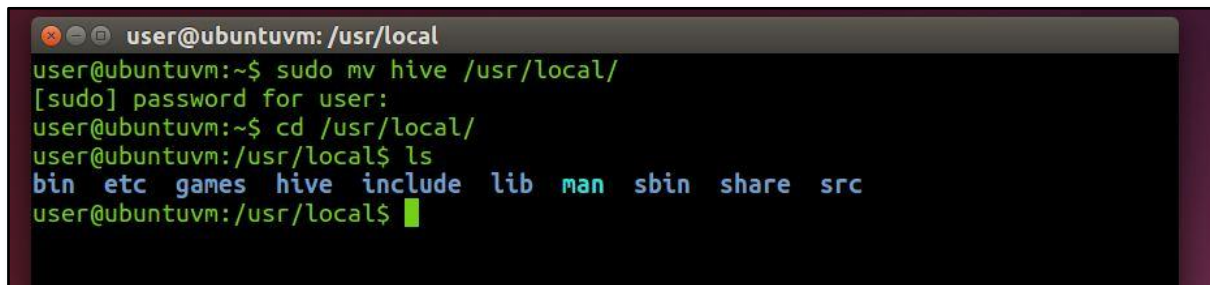
Step 3: Move the file to Hive directory

```
$ mv apache-hive-1.2.1-bin hive
```



```
user@ubuntu: ~  
user@ubuntu:~$ mv apache-hive-1.2.1-bin hive  
user@ubuntu:~$
```

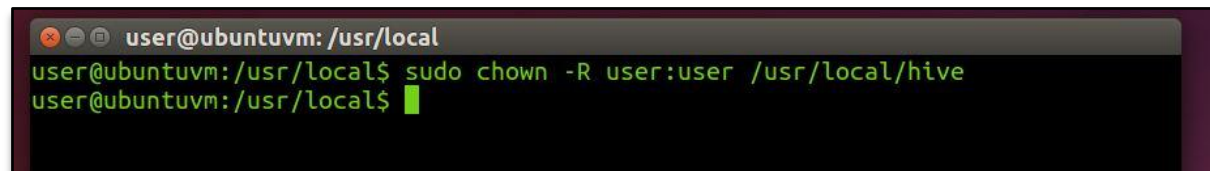
```
$ sudo mv hive /usr/local/
```



```
user@ubuntuvirtual: /usr/local  
user@ubuntuvirtual:~$ sudo mv hive /usr/local/  
[sudo] password for user:  
user@ubuntuvirtual:~$ cd /usr/local/  
user@ubuntuvirtual:/usr/local$ ls  
bin  etc  games  hive  include  lib  man  sbin  share  src  
user@ubuntuvirtual:/usr/local$
```

Step 4: Change the ownership of Hive directory

```
$ sudo chown -R user:user /usr/local/hive
```



```
user@ubuntuvirtual: /usr/local  
user@ubuntuvirtual:/usr/local$ sudo chown -R user:user /usr/local/hive  
user@ubuntuvirtual:/usr/local$
```

Step 5: Make Hive entry inside the .bashrc file .

```
$ gedit ~/.bashrc

export HIVE_HOME=/usr/local/hive

export PATH=$PATH:$HIVE_HOME/bin

export HADOOP_USER_CLASSPATH_FIRST=true
```

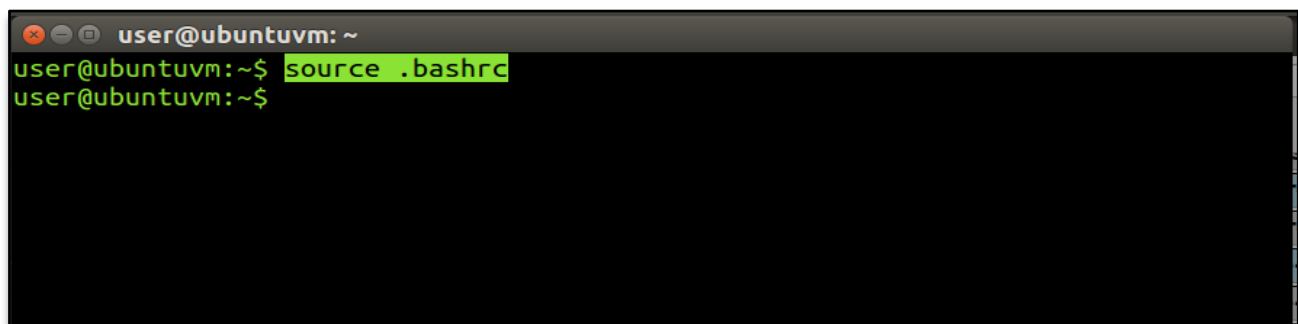
A screenshot of a text editor window titled ".bashrc x". The file contains configuration for Pig and Hive. The Pig section is highlighted in white and includes comments and export statements for PIG_HOME and PATH. The Hive section is highlighted in orange and includes comments and export statements for HIVE_HOME, PATH, and HADOOP_USER_CLASSPATH_FIRST.

```
# Pig Home Directory Configuration
export PIG_HOME=/home/user/pig-0.14.0
export PATH=$PIG_HOME/bin:$PATH

#Hive installation
export HIVE_HOME=/usr/local/hive
export PATH=$PATH:$HIVE_HOME/bin
export HADOOP_USER_CLASSPATH_FIRST=true
```

Step 6: Next thing is to do

```
$ gedit .bashrc
```

A screenshot of a terminal window with the title bar "user@ubuntuvvm: ~". The prompt is "user@ubuntuvvm:~\$". The command "source .bashrc" has been entered and executed, as indicated by the prompt repeating on the next line.

```
user@ubuntuvvm: ~
user@ubuntuvvm:~$ source .bashrc
user@ubuntuvvm:~$
```

Step 7: Create the following directories and change their permission mode

```
$ hadoop fs -mkdir /tmp
```

```
$ hadoop fs -mkdir /tmp/hive
```




```
user@ubuntuvm: ~  
user@ubuntuvm:~$ hadoop fs -mkdir /tmp  
15/12/08 06:24:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
mkdir: `/tmp': File exists  
user@ubuntuvm:~$ hadoop fs -mkdir /tmp/hive  
15/12/08 06:24:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

```
$ hadoop fs -mkdir /user
```

```
$ hadoop fs -mkdir /user/hive
```

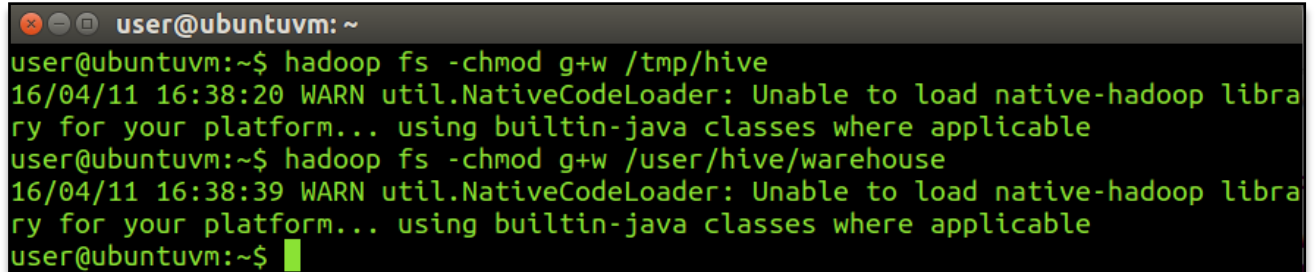
```
$ hadoop fs -mkdir /user/hive/warehouse
```



```
user@ubuntuvm: ~  
user@ubuntuvm:~$ hadoop fs -mkdir /user  
16/02/04 05:25:34 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$ hadoop fs -mkdir /user/hive  
16/02/04 05:25:49 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$ hadoop fs -mkdir /user/hive/warehouse  
16/02/04 05:26:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$
```

```
$ hadoop fs -chmod g+w /tmp/hive
```

```
$ hadoop fs -chmod g+w /user/hive/warehouse
```



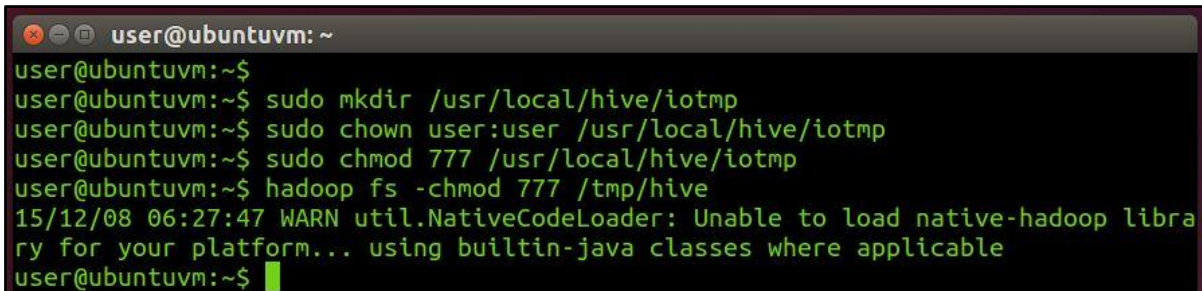
```
user@ubuntuvm: ~  
user@ubuntuvm:~$ hadoop fs -chmod g+w /tmp/hive  
16/04/11 16:38:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$ hadoop fs -chmod g+w /user/hive/warehouse  
16/04/11 16:38:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$
```

```
$ sudo mkdir /usr/local/hive/iotmp
```

```
$ sudo chown user:user /usr/local/hive/iotmp
```

```
$ sudo chmod 777 /usr/local/hive/iotmp
```

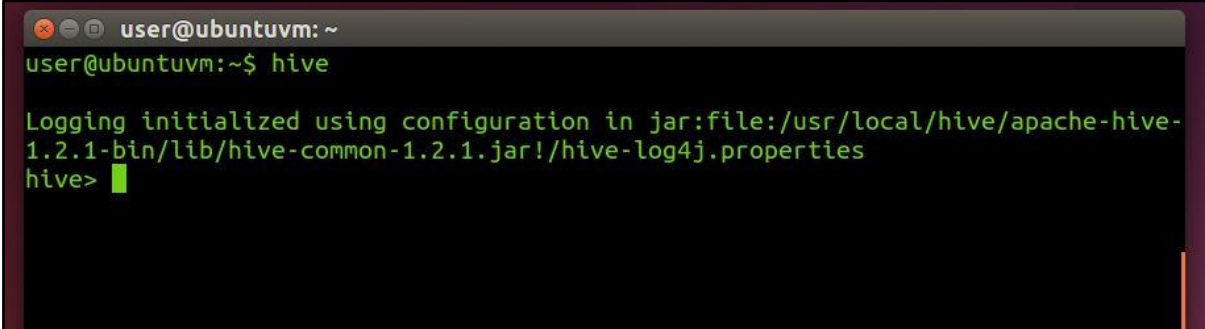
```
$ hadoop fs -chmod 777 /tmp/hive
```



```
user@ubuntuvm: ~  
user@ubuntuvm:~$  
user@ubuntuvm:~$ sudo mkdir /usr/local/hive/iotmp  
user@ubuntuvm:~$ sudo chown user:user /usr/local/hive/iotmp  
user@ubuntuvm:~$ sudo chmod 777 /usr/local/hive/iotmp  
user@ubuntuvm:~$ hadoop fs -chmod 777 /tmp/hive  
15/12/08 06:27:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
user@ubuntuvm:~$
```

Step 8: Start hive shell

~\$ hive



```
user@ubuntuvm: ~  
user@ubuntuvm:~$ hive  
  
Logging initialized using configuration in jar:file:/usr/local/hive/apache-hive-  
1.2.1-bin/lib/hive-common-1.2.1.jar!/hive-log4j.properties  
hive> █
```