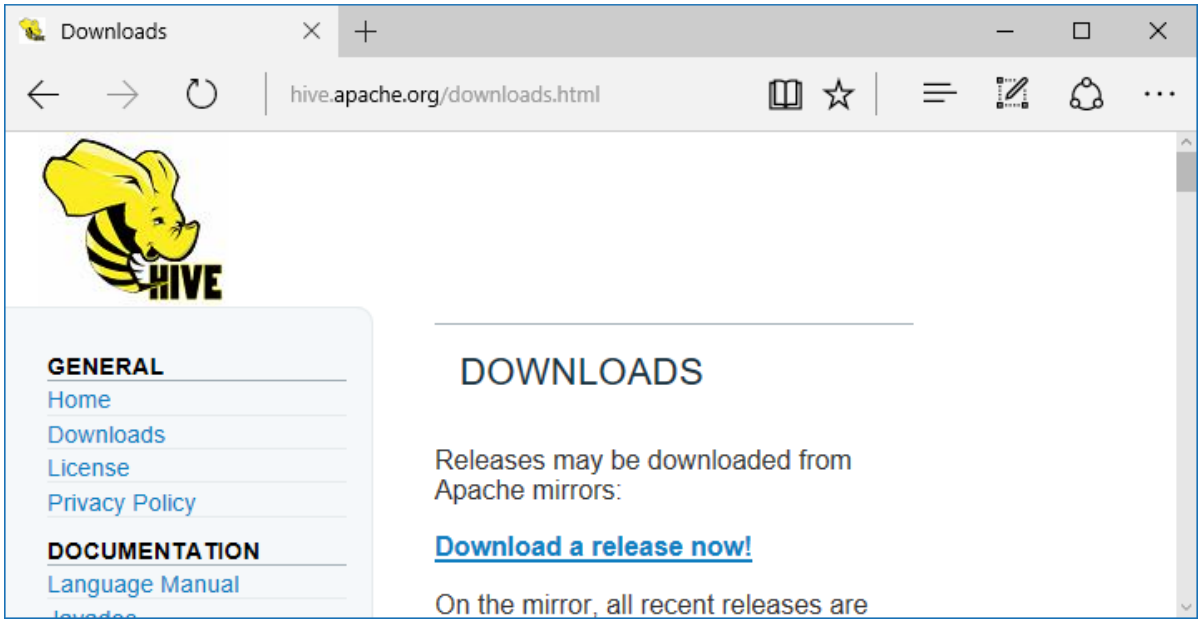
HIVE_Version_2.1.0 INSTALLATION

1. Download HIVE, and EXTRACT to the folder of your choice

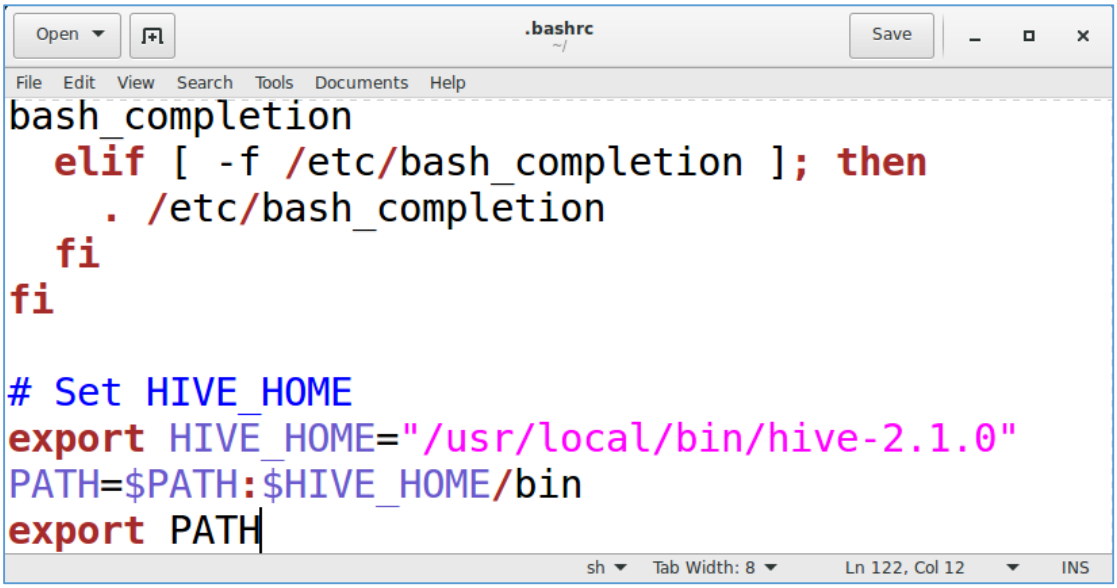


2. Setting Hive environment variable:

```
user@ubuntu:~$  sudo gedit  ~/.bashrc
```

Copy and paste the following lines at end of the file

```
# Set HIVE_HOME
export HIVE_HOME="/usr/lib/hive/apache-hive-0.13.0-bin"
PATH=$PATH:$HIVE_HOME/bin
export PATH
```



3. Setting HADOOP_PATH in HIVE config.sh

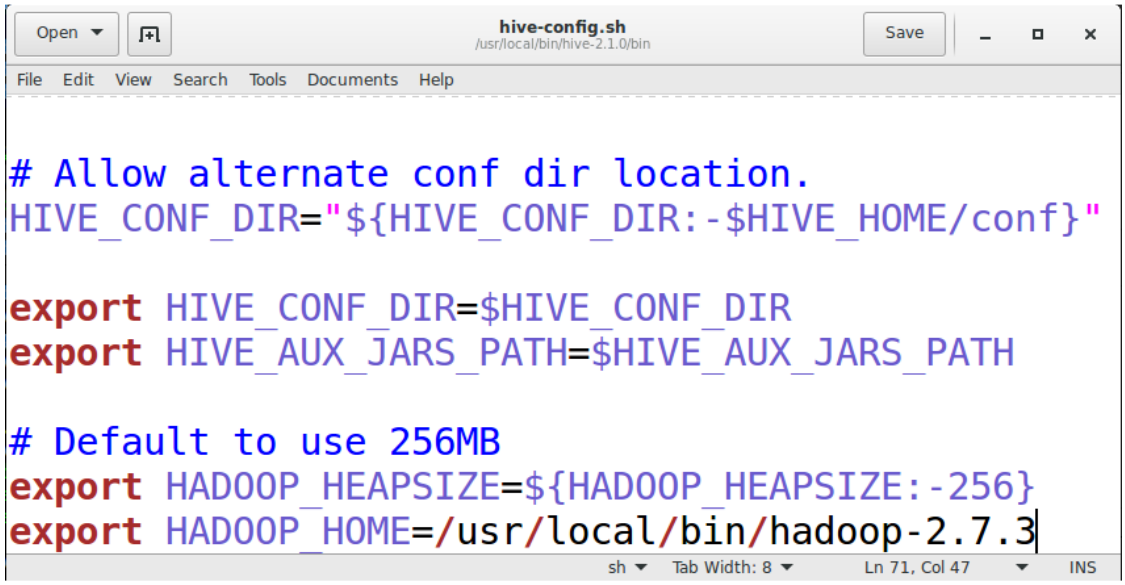
```
user@ubuntu:~$ cd  /hive_install_dir/bin
user@ubuntu:~$ sudo gedit hive-config.sh
```

Go to the line where the following statements are written

```
# Allow alternate conf dir location.
HIVE_CONF_DIR="${HIVE_CONF_DIR:-$HIVE_HOME/conf"
export HIVE_CONF_DIR=$HIVE_CONF_DIR
export HIVE_AUX_JARS_PATH=$HIVE_AUX_JARS_PATH
```

Below this write the following

```
export HADOOP_HOME=/usr/local/hadoop    (write the path where hadoop file is there)
```



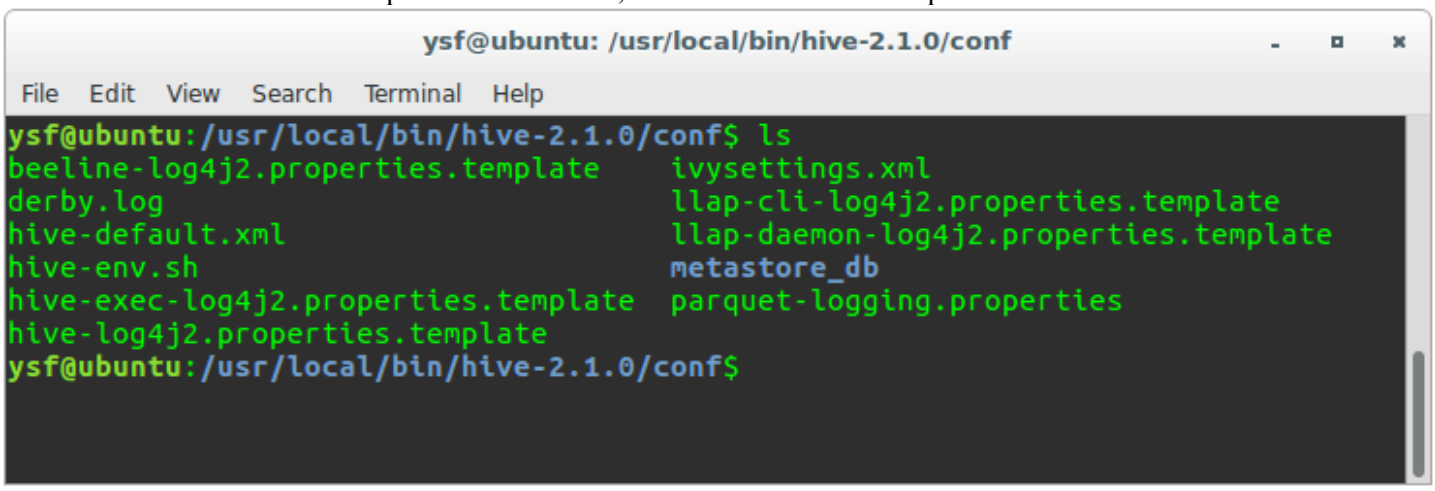
4. Create Hive directories within HDFS

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

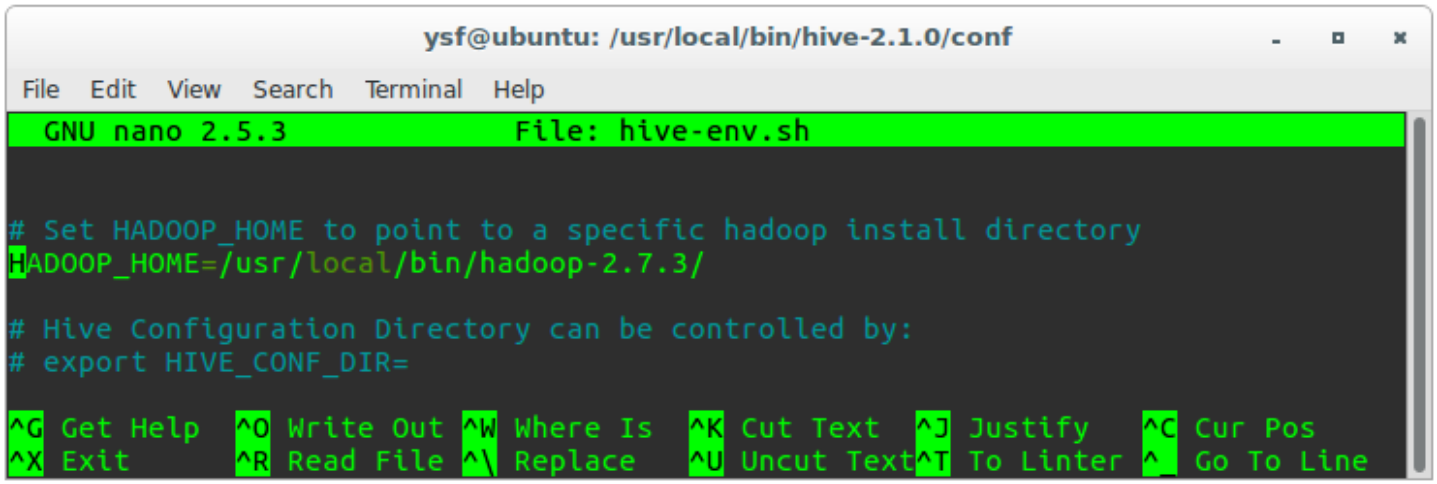
Setting READ/WRITE permission for table

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

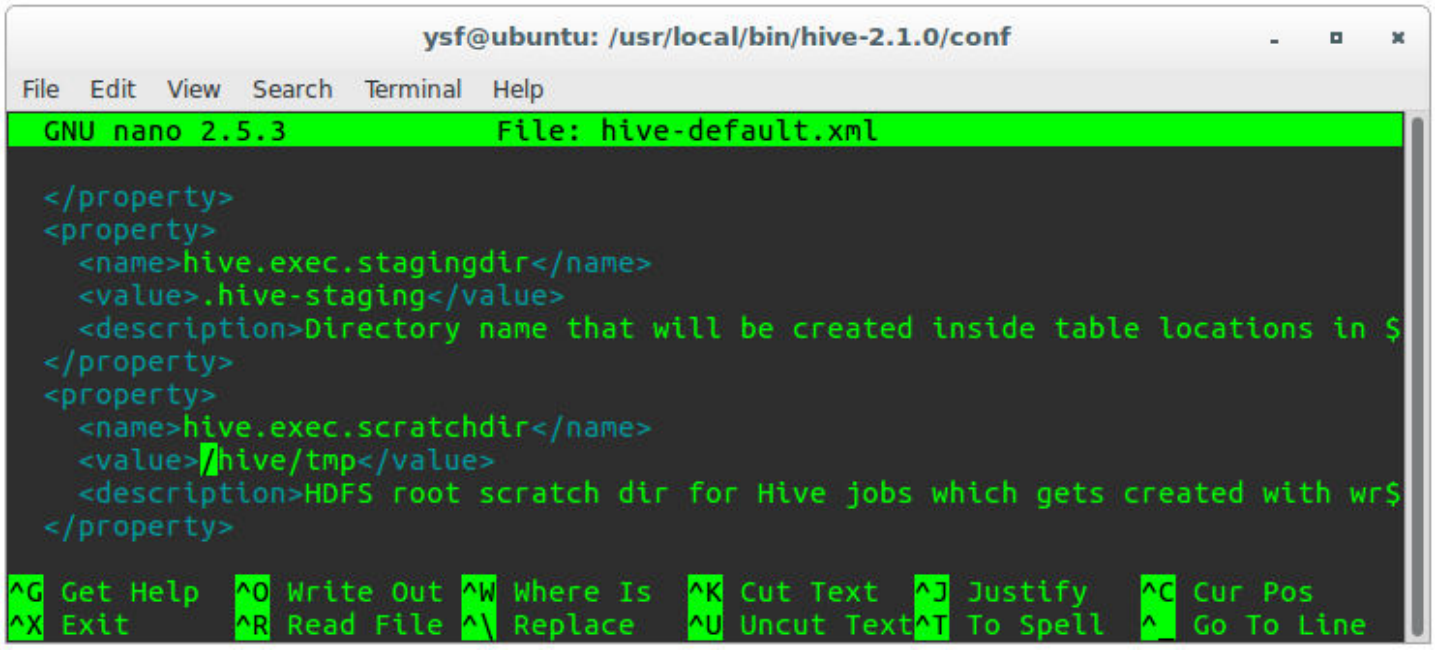
5. Rename hive-env.sh.template to hive-env.sh, and hive-default.xml.template to hive-default.xml

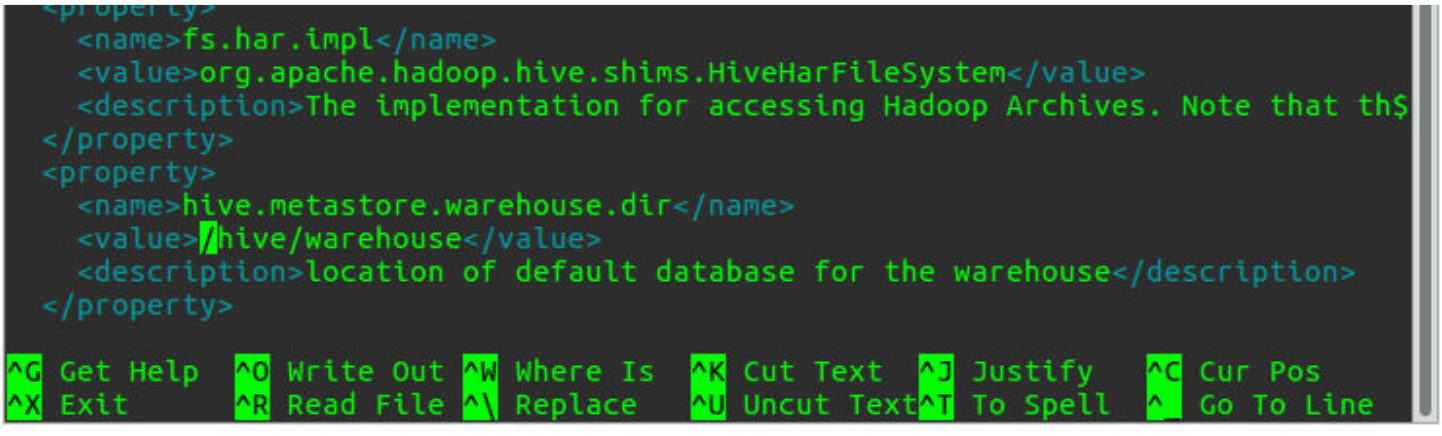


6. Edit hive-env.sh



7. Edit hive-default.xml





8. When you run hive from $HIVE_HOME/bin directory, you may get the following error:

```
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/hadoop/share/hadoop/common/lib/slf4j-log4j12-
1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/local/hive/lib/slf4j-log4j12-
1.6.1.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
```

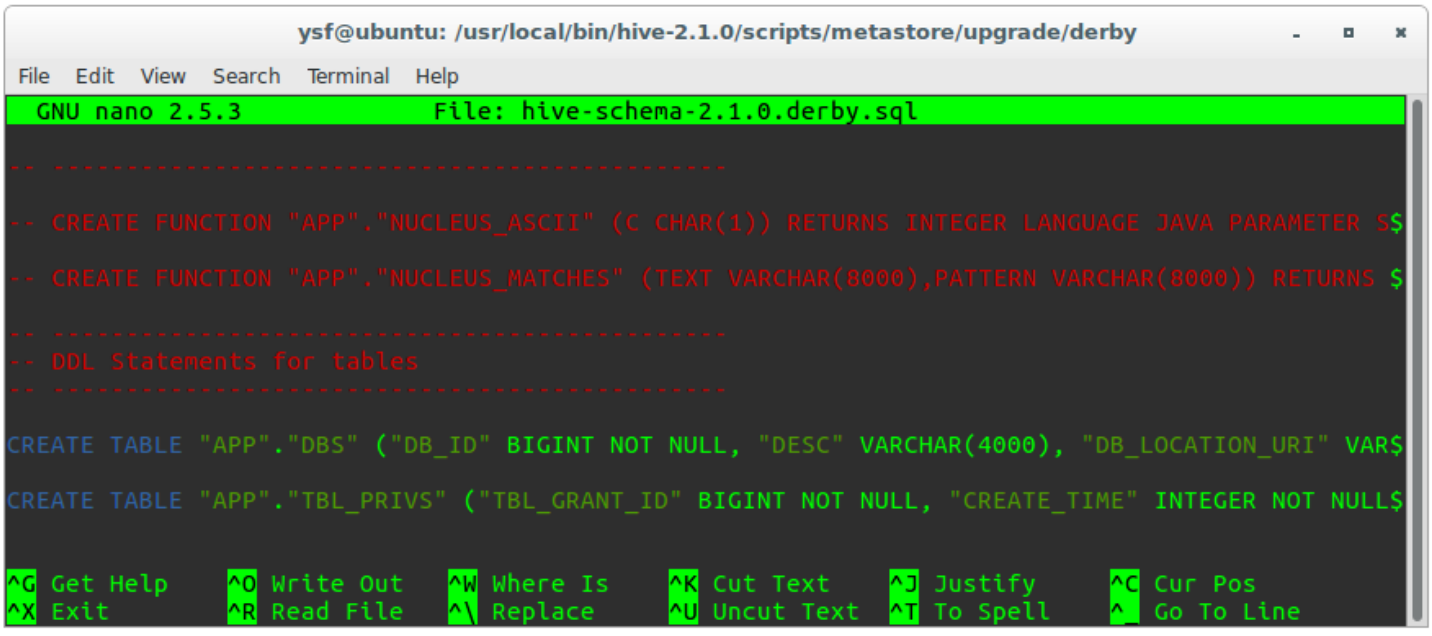
You are getting such warning message because of conflicts sl4j.jar which is being used from HIVE and HADOOP path. In order to get rid of this, you need to delete these jar files binding between Hadoop and Hive

```
rm lib/hive-jdbc-2.0.0-standalone.jar
rm lib/log4j-slf4j-impl-2.4.1.jar
```

9. When you run hive from $HIVE_HOME/bin directory, you may get the following error:

Starting metastore schema initialization to 2.0.0 Initialization script hive-schema-2.0.0.derby.sql Error: FUNCTION 'NUCLEUS_ASCII' already exists. (state=X0Y68,code=30000) org.apache.hadoop.hive.metastore.HiveMetaException: Schema initialization FAILED! Metastore state would be inconsistent !!

To fix this, edit hive-schema-2.1.0.derby.sql



Then, run the following command from $HIVE_HOME/bin

```
schematool -dbType derby -initSchema
```

10. Run the following command to start the HIVE shell:
    $HIVE_HOME/bin/hive