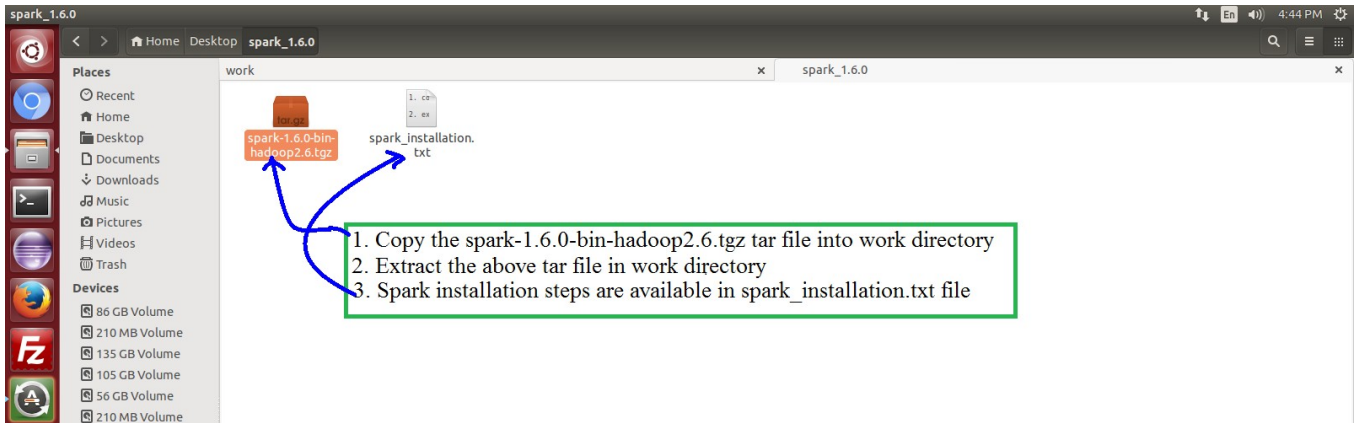
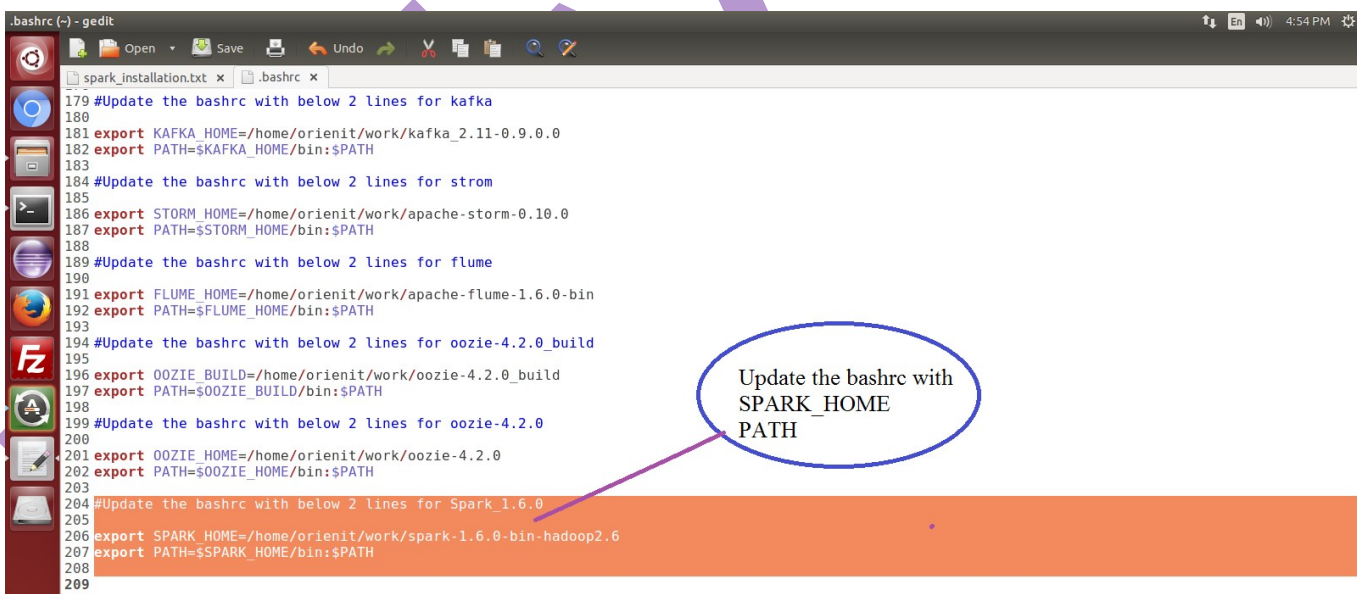


Spark-1.6.0 Version Installation Steps

1. Download the tar file from [ApacheMirror](#)
2. Follow the below screen shot steps.



3. Update the bashrc file, command for that [gedit ~/.bashrc](#)
4. Follow the below screen shot information.



5. Confirm the configuration files.

```
Terminal
orientit@Kalyan: ~
orientit@Kalyan:~$ echo $SPARK_HOME
/home/orientit/spark/spark-1.6.0-bin-hadoop2.6
orientit@Kalyan:~$
```

Confirm the configuration files, for that we have to execute echo command

6. Start the spark using `$SPARK_HOME/sbin/start-all.sh` command

```
orientit@Kalyan: ~
orientit@Kalyan:~$ $SPARK_HOME/sbin/start-all.sh
starting org.apache.spark.deploy.master.Master, logging to /home/orientit/work/spark-1.6.0-bin-h
adoop2.6/logs/spark-orientit-org.apache.spark.deploy.master.Master-1-Kalyan.out
localhost: starting org.apache.spark.deploy.worker.Worker, logging to /home/orientit/work/spark-
1.6.0-bin-hadoop2.6/logs/spark-orientit-org.apache.spark.deploy.worker.Worker-1-Kalyan.out
orientit@Kalyan:~$
```

we have to start the spark using above above command, when we execute above command then master and worker process names will be started, see above information.

7. If we want execute spark queries then we will go for spark shell using `spark-shell` command

```
orientit@Kalyan: ~
orientit@Kalyan:~$ spark-shell
log4j:WARN No appenders could be found for logger (org.apache.hadoop.metrics2.lib.MutableMetric
sFactory).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Using Spark's repl log4j profile: org/apache/spark/log4j-defaults-repl.properties
To adjust logging level use sc.setLogLevel("INFO")
Welcome to

  ____              __
 / ___/___  ___  ___/  /___  ___
/ /  / __ \/ __ \/ __/ __/ __/
/___/_/ /_/_/ /___/_/ /___/_/

version 1.6.0

Using Scala version 2.10.5 (OpenJDK 64-Bit Server VM, Java 1.7.0_111)
Type in expressions to have them evaluated.
Type :help for more information.
16/10/07 16:55:54 WARN Utils: Your hostname, Kalyan resolves to a loopback address: 127.0.0.1;
using 192.168.0.137 instead (on interface eth0)
16/10/07 16:55:54 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
Spark context available as sc. In built spark having spark context, simple name as sc.
```

If we want execute the spark queries then we have to go for spark shell for that we need to execute "spark-shell" command, absorb the console information.

```
16/10/07 16:55:57 WARN Connection: BoneCP specified but not present in CLASSPATH (or one of dependencies)
16/10/07 16:55:57 WARN Connection: BoneCP specified but not present in CLASSPATH (or one of dependencies)
16/10/07 16:56:16 WARN ObjectStore: Version information not found in metastore. hive.metastore.schema.verification is not enabled so recording the schema version 1.2.0
16/10/07 16:56:16 WARN ObjectStore: Failed to get database default, returning NoSuchObjectException
16/10/07 16:56:20 WARN Connection: BoneCP specified but not present in CLASSPATH (or one of dependencies)
16/10/07 16:56:20 WARN Connection: BoneCP specified but not present in CLASSPATH (or one of dependencies)
16/10/07 16:56:38 WARN ObjectStore: Version information not found in metastore. hive.metastore.schema.verification is not enabled so recording the schema version 1.2.0
16/10/07 16:56:38 WARN ObjectStore: Failed to get database default, returning NoSuchObjectException
SQL context available as sqlContext.
scala> █
```

Spark is having inbuilt sql context also