

1、 download spark
wget http://dlab.csu.edu.cn/cloudcomputing2016/download/spark-1.6.tgz
tar -zxvf spark-1.6.tgz
mv spark-1.6.1-bin-hadoop2.6/ spark-1.6

2、 set PATH
vi ~/.bash_profile

```
export SPARK_HOME=/home/spark-1.6  
export PATH=$PATH:$SPARK_HOME/bin
```

source ~/.bash_profile

3、 spark settings
cd \$SPARK_HOME
cd conf/
mv slaves.template slaves
vi slaves
add:

```
datanode1  
datanode2
```

mv spark-env.sh.template spark-env.sh
vi spark-env.sh
add:

```
export JAVA_HOME=/home/jdk1.7.0_75  
export SCALA_HOME=/home/scala-2.11.8  
export SPARK_MASTER_IP=10.10.13.11  
export SPARK_WORKER_MEMORY=8g  
export HADOOP_CONF_DIR=/home/hadoop-2.6.0/etc/hadoop
```

4、 install scala
wget http://dlab.csu.edu.cn/cloudcomputing2016/download/scala-2.11.8.tgz
vi ~/.bash_profile

```
export SCALA_HOME=/home/scala-2.11.8  
export PATH=$PATH:$SCALA_HOME/bin
```

source ~/.bash_profile

test scala:
scala -version

5、 copy spark files to other nodes
scp -r /home/spark-1.6 root@datanode1:/home/
scp -r /home/spark-1.6 root@datanode2:/home/
scp -r /home/scala-2.11.8 root@datanode1:/home/
scp -r /home/scala-2.11.8 root@datanode2:/home/

```
scp ~/.bash_profile root@datanode1:~/.bash_profile  
scp ~/.bash_profile root@datanode2:~/.bash_profile
```

6、 Start spark

```
cd $SPARK_HOME
```

```
cd sbin
```

```
./start-all.sh
```

7、 test spark

```
./run-example org.apache.spark.examples.JavaWordCount hdfs://namenode1:9000/wordtest/
```