**Download and Extract Spark:**

cd /usr/opt

sudo wget https://mirrors.estointernet.in/apache/spark/spark-3.1.2/spark-3.1.2-bin-hadoop3.2.tgz

tar -xzvf tar -xzvf spark-3.0.2-bin-hadoop3.2.tgz

ln -s spark spark-3.1.2-bin-hadoop3.2

**Set Spark Environment Variables:**

vi .bashrc

export SPARK\_HOME=/opt/spark

export PATH=$PATH:$SPARK\_HOME/bin:$SPARK\_HOME/sbin

export PYSPARK\_PYTHON=/usr/bin/python3

export PYSPARK\_DRIVER\_PYTHON=/usr/bin/python3

source .bashrc

**For Spark and Hive Connectivity:**

cp /opt/hive/conf/hive-site.xml /opt/spark-3.1.2-bin-hadoop3.2/conf

cp /opt/hadoop/etc/hadoop/core-site.xml /opt/spark-3.1.2-bin-hadoop3.2/conf

**To start spark shell:**

spark-shell

**To start pyspark shell:**

pyspark

**Starting & Stop Spark Cluster Manually:**

**Start & Stop Spark Master :**

start-master.sh

stop-master.sh

**Spark Master UI:**

http://localhost:8080/

**Start & Stop Spark Worker:**

start-slave.sh spark://127.0.1.1:7077

stop-slave.sh