Notes for Kafka Installation

Please refer to the three Links below to learn more that I have used the create the notes:

https://www.tutorialspoint.com/apache_kafka/apache_kafka_installation_steps.htm

https://archive.apache.org/dist/zookeeper/zookeeper-3.4.6/zookeeper-3.4.6.tar.gz

http://archive.apache.org/dist/kafka/0.9.0.0/kafka_2.11-0.9.0.0.tgz

---Terminal as main user-----

"do nakal with akal – if you are stuck read the tutor point link and find out a way out"

First step is to search Kafka and download the tar file.

In google search for the exact version. Download it and

Now we will search for Kafka from internet to download the exact same version as shown below, and after downloading it we will unzip it as shown below.

We need to move zookeeper and kafka in the *opt folder*. When we download using firefox the files go in Downloads folder so we will first go to Downloads folder.

cd Downloads

sudo mv zookeeper-3.4.6.tar.gz /opt

cd /opt

sudo mv kafka_2.11-0.9.0.0.tgz /opt

sudo tar -zxf kafka_2.11-0.9.0.0.tgz

Download kafka and then move it into opt folder and then go inside kafka

cd /opt

cd kafka_2.11-0.9.0.0/

you need to run the kafka commands here, so remember this location.

Now let us download zookeeper, it is an intermediary place to store the files

cd zookeeper-3.4.6

mkdir data

#Open the file and add the lines:
gedit conf/zoo.cfg

tickTime=2000
dataDir=/path/to/zookeeper/data
clientPort=2181
initLimit=5
syncLimit=2

#After you add the above files in the cfg file then run the Zoo server:

sudo bin/zkServer.sh start
#make sure you have the bin folder inside

ls
sudo bin/zkCli.sh
cd ..

Now we will run the kakfka server which is in a sh file
kafka is located in the opt folder so first we need to go there and do ls to see if we have the files

cd /opt
cd kafka-whatever-is-the-folder-name
bin/kafka-server-start.sh config/server.properties

#now we will move one folder up by using cd .. and go to zookeeper folder

cd ..
cd zookeeper-3.4.6/
bin/zookeeper-server-start.sh config/zookeeper.properties
bin/zookeeper-server-start.sh

bin/zookeeper-server-start.sh config/zookeeper.properties
bin/kafka-server-stop.sh config/server.properties

Using ls we will make sure that we have bin folder inside the directory.
#ls

```
bin/kafka-server-stop.sh config/server.properties

# If we were to stop the Kafka server we will use the below command.
bin/kafka-server-stop.sh

# to run again we will use the below commands
bin/kafka-server-start.sh config/server.properties
```

Now we will create the sender and receiver as shown below.

```
bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic
Hello-Kafka

bin/kafka-console-consumer.sh --zookeeper localhost:2181 —topic Hello-Kafka --from-beginning
--whitelist Hello-Kafka
```

```
---- terminal 1------
#these are post installation check to see if jps shows kafka
```

Check 1
jps
Check 2
echo srvr |nc localhost 2181

Help
Explore the links if you are stuck, also after you have everything in opt folder explore all the folders.