Kafka Installation

Prepared by: Dev Jethva (23MDS003)

Branch: MTech. (Data Science)

Prerequisites

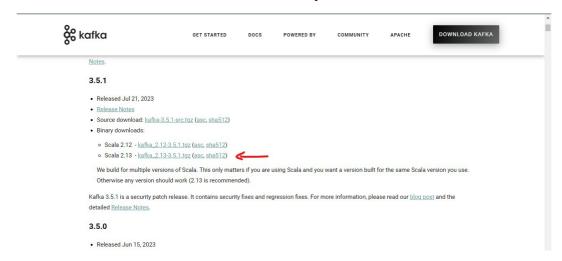
- 1. Java 8 development Kit (JDK)
- 2. 7zip

❖ Download Kafka file

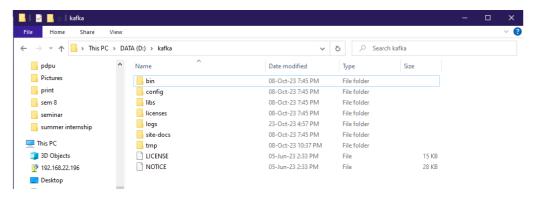
The first step is to download pig form the apache official server, it can be downloaded at following link:

https://kafka.apache.org/downloads

In this link download scala 2.13 version under binary downloads.



After downloading unzip this folder so it look like this



***** Configure files

Now go to kafka>config and open server.properties file, we have to change log directory path to save log on specific location.

As shown in above image set log.dirs path to your specific location.

Now for the same open zookeeper.properties and edit dataDir path to specific location as shown below image.

Run kafka

To run kafka server first have to start zookeeper server. Now locate to kafka folder where you have bin folder and then open cmd at this place and run following command:

.\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties

If you seen this zookeeper than server started successfully.

Now we have to start kafka server, so open new terminal at same place and run following command:

.\bin\windows\kafka-server-start.bat.\config\server.properties

Kafka works on producer and consumer model so first we have to create one topic, open new terminal at same place and create a topic by following command:

.\bin\windows\kafka-topics.bat --create --topic {topic name} --bootstrap-server localhost:9092

Write topic name of your choice don't take space or any special character in topic name it consider only one word of name.

After successfully creating a topic, lets start producer by this command, give same topic name that created:

.\bin\windows\kafka-console-producer.bat --topic {topic name} --bootstrap-server localhost:9092

For the consumer open new terminal and type following command, give same topic name which have given in producer:

.\bin\windows\kafka-console-consumer.bat --topic {topic name} --from-beginning --bootstrap-server localhost:9092

```
C:\Windows\System32\cmd.exe-\bin\windows\kafka-console-consumer.bat --topic preExams --from-beginning --bootstrap-server localhost:9092 — X

Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

D:\kafka>.\bin\windows\kafka-console-consumer.bat --topic preExams --from-beginning --bootstrap-server localhost:9092
```

Now set producer and consumer side by side, type something in producer and hit enter after some millisecond you can see same thing in consumer terminal.