

# Notes on Kafka

# Add in Path : C:\kafka\_2.12-3.1.0\bin\windows

## Commands:

- **To start the zookeeper:** zookeeper-server-start.bat C:\Profile\Space\Softwares\kafka\_2.12-3.1.0\config\zookeeper.properties
- **To Start Kafka:** kafka-server-start.bat C:\Profile\Space\Softwares\kafka\_2.12-3.1.0\config\server.properties
- **List of Topics :** kafka-topics.bat --bootstrap-server localhost:9092 --list
- **Create Topic :** kafka-topics.bat --bootstrap-server localhost:9092 --create --topic first\_topic
- **Create Topic with partitions and replication factor :**  
kafka-topics.bat --bootstrap-server localhost:9092 --create --topic third\_topic --partitions 3 --replication-factor 1
- **Describe a topic :** kafka-topics.bat --bootstrap-server localhost:9092 --describe --topic third\_topic
- **Describe all topics :** kafka-topics.bat --bootstrap-server localhost:9092 --describe
- **Produce message to topic without key:**  
kafka-console-producer.bat --bootstrap-server localhost:9092 --topic second\_topic
- **Produce message to topic with key:**  
kafka-console-producer.bat --bootstrap-server localhost:9092 --topic second\_topic --property parse.key=true --property key.separator= :
- **Consumer reading from tail:** kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic second\_topic [to see the message, you need to run producer and pass message]
- **Consumer reading from beginning:** kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic second\_topic --from-beginning
- **Consumer reading all from producer with formatter :** kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic second\_topic --from-beginning --formatter kafka.tools.DefaultMessageFormatter --property print.timestamp=true --property print.key=true --property print.value=true
- **Describe consumer group:** kafka-consumer-groups.bat --bootstrap-server localhost:9092 --describe --group my-first-consumer-group
- **Resetting offset:** kafka-consumer-groups.bat --bootstrap-server localhost:9092 --group my-first-consumer-group --reset-offsets --to-earliest --execute --all-topics
- **Resetting offset shifting :** kafka-consumer-groups.bat --bootstrap-server localhost:9092 --group my-first-consumer-group --reset-offsets --shift-by -2 --execute --all-topics
- **List of consumer group:** kafka-consumer-groups.bat --bootstrap-server localhost:9092 --list