***KAFKA***

* It is a Messaging protocol which uses Publish and Subscribe model
* It consists of Publisher, Broker, Topic and Subscriber.
* Message Queues ensure delivery and scaling, while Kafka focuses on high-throughput and low-latency.
* Kafka suits high data volumes and streaming, and Message Queues excel in decoupling services and workloads.
* Kafka's log-based storage ensures persistence; Message Queues rely on acknowledgements for delivery.

***Commands for running Kafka***

* **# Start the ZooKeeper service**

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

* **# Start the Kafka broker service**

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

* **STEP 3: CREATE A TOPIC TO STORE YOUR EVENTS**

.\bin\windows\kafka-topics.bat --create --topic topic\_demo --bootstrap-server localhost:9092

* **STEP 4: WRITE SOME EVENTS INTO THE TOPIC**

.\bin\windows\kafka-console-producer.bat --topic topic\_demo --bootstrap-server localhost:9092

* **STEP 5: READ THE EVENTS**

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

**Note:** To run Kafka clear the logs inside the “*tmp\kafka-logs*”. The folder will be in the directory where kafka is installed.

1. Run “Start the ZooKeeper service” command 1st then in another terminal run “Start the Kafka broker service”. (Open terminal from this path “D:\kafka” for running all commands)
2. To view the messages in the topic run “READ THE EVENTS”