**Successful implementation of Pub-Sub messaging system using Apache Kafka**

[1) Download KAFKA](https://kafka.apache.org/quickstart#quickstart_download) (Make sure the path to Kafka does not have a space in name)

[Download](https://www.apache.org/dyn/closer.cgi?path=/kafka/3.0.0/kafka_2.13-3.0.0.tgz) the latest Kafka release and extract it:

$ tar -xzf kafka\_2.13-3.0.0.tgz

$ cd kafka\_2.13-3.0.0

[2) START THE KAFKA ENVIRONMENT](https://kafka.apache.org/quickstart#quickstart_startserver)

*NOTE: Your local environment must have Java 8+ installed.*

$ bin/zookeeper-server-start.sh config/zookeeper.properties

3) CREATE A TOPIC TO STORE YOUR EVENTS

$ bin/kafka-topics.sh --create --topic quickstart-events --partitions 1 --replication-factor 1 --bootstrap-server localhost:9092

4) WRITE EVENTS TO TOPIC

$ bin/kafka-console-producer.sh --topic quickstart-events --bootstrap-server localhost:9092

5) READ THE EVENTS

$ bin/kafka-console-consumer.sh --topic quickstart-events --from-beginning --bootstrap-server localhost:9092

Text

Description automatically generated

**Successful management of the failure of the master node in the cluster, i.e. another node takes over as master node**