```
producer        producer        producer

push
message
                  Broker 1    Broker 2    Broker 3

                          Kafka
                          Cluster
                                              pull
                                              message

        consumer      consumer      consumer
```

A producer - creates a record and publishes it to the broker. Producer writes a record on a topic and the consumer listens to it.

Brokers -servers that run on kafa

A topic can have many partitions but must have at least one.

Consumer - consumers records from the broker.

Record: Producer sends messages to Kafka in the form of records. A record is a key-value pair. It contains the topic name and partition number to be sent. Kafka broker keeps records inside topic partitions. Records sequence is maintained at the partition level. You can define the logic on which basis partition will be determined.