Kafka Interview Q&A

1. What is Apache Kafka

A messaging system based on publish-subscribe model.

1. What are the 4 main parts of the kafka sytem

Broker, zookeeper, producer and consumer

A kafka cluster consists of one or more kafka servers/brokers. Producers are processes that push records into Kafka topics within brokers. A consumer pulls records off a kafka topic.

Management of brokers in the cluster is done by zookeeper.

1. Limitations of using single kafka broker?

Doesn’t provide benefit of replication as in the cluster

1. What is a kafka topic?

A category/feed name to which records are stored and published. Records stay in the cluster until a configurable retention period has passed.

1. Benefits of partitioning topics in kafka?

Partitions allow topics to be parallelized by splitting the data into a particular topic across multiple brokers.