



[Apache Kafka](#)

#### Kafka –Interview Questions

- 1) Explain the producer & consumer-based architecture of Kafka.
- 2) How to persist data directly from Kafka topic. Is it possible or not?
- 3) What is offset in Kafka?
- 4) What is consumer offset?
- 5) How to configure the Kafka details?
- 6) How to determine the replication factor?
- 7) Which annotation is used to enable Kafka?
- 8) How does kafka ensure fault tolerance?
- 9) What is partition in kafka?
- 10) What is kafka producer?
- 11) What is kafka consumer?
- 12) What role does zookeeper play in kafka environment?
- 13) What is consumer group?
- 14) How does kafka handle scalability?
- 15) What is the difference between a kafka topic and partition?
- 16) What is the kafka role of a broker?
- 17) What is the difference between at-least-once and at-most-once delivery semantics?
- 18) What is kafka streams?
- 19) What is kafka connect?
- 20) How can you secure kafka?
- 21) What are some usecases for kafka?
- 22) How is data retention managed in kafka?
- 23) What is the significance of the offset in kafka?
- 24) How does kafka ensure durability?

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- 25) Explain the difference between a leader and a follower partition in kafka?
- 26) How does kafka handle failover for its brokers?
- 27) What is the role of the ISR in kafka?
- 28) Describe the write and read operations in kafka with respect to the leader and follower partitions?
- 29) What is log compaction in kafka and why it is useful?
- 30) How do you handle schema evolution in kafka messages?

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