CCDAK Q&As

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QUESTION 1

A bank uses a Kafka cluster for credit card payments. What should be the value of the property unclean.leader.election.enable?

A. FALSE

B. TRUE

Correct Answer: A

Setting unclean.leader.election.enable to true means we allow out-of-sync replicas to become leaders, we will lose messages when this occurs, effectively losing credit card payments and making our customers very angry.

QUESTION 2

Compaction is enabled for a topic in Kafka by setting log.cleanup.policy=compact. What is true about log compaction?

A. After cleanup, only one message per key is retained with the first value

B. Each message stored in the topic is compressed

C. Kafka automatically de-duplicates incoming messages based on key hashes

D. After cleanup, only one message per key is retained with the latest value Compaction changes the offset of messages

Correct Answer: D

Log compaction retains at least the last known value for each record key for a single topic partition. All compacted log offsets remain valid, even if record at offset has been compacted away as a consumer will get the next highest offset.

QUESTION 3

An ecommerce website maintains two topics - a high volume "purchase" topic with 5 partitions and low volume "customer" topic with 3 partitions. You would like to do a stream- table join of these topics. How should you proceed?

A. Repartition the purchase topic to have 3 partitions

B. Repartition customer topic to have 5 partitions

C. Model customer as a GlobalKTable

D. Do a KStream / KTable join after a repartition step

Correct Answer: C

In case of KStream-KStream join, both need to be co-partitioned. This restriction is not applicable in case of join with GlobalKTable, which is the most efficient here.

QUESTION 4

A topic has three replicas and you set min.insync.replicas to 2. If two out of three replicas are not available, what happens when a produce request with acks=all is sent to broker?

A. NotEnoughReplicasException will be returned

B. Produce request is honored with single in-sync replica C. Produce request will block till one of the two unavailable partition is available again.

Correct Answer: A

With this configuration, a single in-sync replica becomes read-only. Produce request will receive NotEnoughReplicasException.

QUESTION 5

A consumer starts and has auto.offset.reset=none, and the topic partition currently has data for offsets going from 45 to 2311. The consumer group has committed the offset 10 for the topic before. Where will the consumer read from?

A. offset 45

B. offset 10

C. it will crash

D. offset 2311

Correct Answer: C

auto.offset.reset=none means that the consumer will crash if the offsets it\\'s recovering from have been deleted from Kafka, which is the case here, as 10