Question #1 *Topic 1*

Which statements are correct about partitions'? (Choose two.)

A. A partition in Kafka will be represented by a single segment on a disk.

B. A partition is comprised of one or more segments on a disk.

C. All partition segments reside in a single directory on a broker disk.

D. A partition size is determined after the largest segment on a disk.

Suggested Answer: *BC*

Currently there are no comments in this discussion, be the first to comment!

Question #2 *Topic 1*

Which secure communication is supported between the REST proxy and REST clients?

A. TLS (HTTPS)

B. MD5

C. SCRAM

D. Kerberos

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #3 *Topic 1*

Which valid security protocols are included for broker listeners'? (Choose three.)

A. PLAINTEXT

B. SSL

C. SASL

D. SASL_SSL

E. GSSAPI

Suggested Answer: *ABD*

Currently there are no comments in this discussion, be the first to comment!

Question #4 *Topic 1*

By default, what do Kafka broker network connections have?

A. No encryption, no authentication and no authorization

B. Encryption, but no authentication or authorization

C. No encryption, no authorization, but have authentication

D. Encryption and authentication, but no authorization

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #5 *Topic 1*

Which of the following are Kafka Connect internal topics? (Choose three.)

A. connect-configs

B. connect-distributed

C. connect-status

D. connect-standalone

E. connect-offsets

Suggested Answer: *ACE*

Currently there are no comments in this discussion, be the first to comment!

Question #6 *Topic 1*

You are using Confluent Schema Registry to provide a RESTful interface for storing and retrieving schemas.
Which types of schemas are supported? (Choose three.)

A. Avro

B. gRPC

C. JSON

D. Thrift

E. Protobuf

Suggested Answer: *ACE*

Currently there are no comments in this discussion, be the first to comment!

Question #7 *Topic 1*

Multiple clients are sharing a Kafka cluster.
As an administrator, how would you ensure that Kafka resources are distributed fairly to all clients?

A. Quotas

B. Consumer Groups

C. Rebalancing

D. ACLs

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #8 *Topic 1*

A customer has a use case for a ksqlDB persistent query. You need to make sure that duplicate messages are not processed and messages are not skipped.
Which property should you use?

A. processing.guarantee=exactly_once

B. ksql.streams auto offset.reset=earliest

C. ksql.streams auto.offset.reset=latest

D. ksql.fail.on.production.error=false

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #9 *Topic 1*

If a broker's JVM garbage collection takes too long, what can occur?

A. There will be a trigger of the broker's log cleaner thread.

B. ZooKeeper believes the broker to be dead.

C. There is backpressure to, and pausing of, Kafka clients.

D. Log files written to disk are loaded into the page cache.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #10 *Topic 1*

You are managing a Kafka cluster with five brokers (broker id '0', '1','2','3','4') and three ZooKeepers. There are 100 topics, five partitions for each topic, and replication factor three on the cluster. Broker id '0' is currently the Controller, and this broker suddenly fails.
Which statements are correct? (Choose three.)

A. Kafka uses ZooKeeper's ephemeral node feature to elect a controller.

B. The Controller is responsible for electing Leaders among the partitions and replicas.

C. The Controller uses the epoch number to prevent a split brain scenario.

D. The broker id is used as the epoch number to prevent a split brain scenario.

E. The number of Controllers should always be equal to the number of brokers alive in the cluster.

F. The Controller is responsible for reassigning partitions to the consumers in a Consumer Group.

Suggested Answer: *ABC*

Currently there are no comments in this discussion, be the first to comment!

Question #11 *Topic 1*

When a broker goes down, what will the Controller do?

A. Wait for a follower to take the lead.

B. Trigger a leader election among the remaining followers to distribute leadership.

C. Become the leader for the topic/partition that needs a leader, pending the broker return in the cluster.

D. Automatically elect the least loaded broker to become the leader for every orphan's partitions.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #12 *Topic 1*

Which technology can be used to perform event stream processing? (Choose two.)

A. Confluent Schema Registry

B. Apache Kafka Streams

C. Confluent ksqlDB

D. Confluent Replicator

Suggested Answer: *BC*

Currently there are no comments in this discussion, be the first to comment!

Question #13 *Topic 1*

How can load balancing of Kafka clients across multiple brokers be accomplished?

A. Partitions

B. Replicas

C. Offsets

D. Connectors

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #14 *Topic 1*

A company is setting up a log ingestion use case where they will consume logs from numerous systems. The company wants to tune Kafka for the utmost throughput.
In this scenario, what acknowledgment setting makes the most sense?

A. acks=0

B. acks=1

C. acks=all

D. acks=underfined

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #15 *Topic 1*

Your Kafka cluster has four brokers. The topic t1 on the cluster has two partitions, and it has a replication factor of three. You create a Consumer Group with four consumers, which subscribes to t1.
In the scenario above, how many Controllers are in the Kafka cluster?

A. One

B. Two

C. Three

D. Four

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #16 *Topic 1*

You want to increase Producer throughput for the messages it sends to your Kafka cluster by tuning the batch size ('batch size') and the time the Producer waits before sending a batch ('linger.ms').
According to best practices, what should you do?

A. Decrease 'batch.size' and decrease 'linger.ms'

B. Decrease 'batch.size' and increase 'linger.ms'

C. Increase 'batch.size' and decrease 'linger.ms'

D. Increase 'batch.size' and increase 'linger.ms'

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #17 *Topic 1*

When using Kafka ACLs, when is the resource authorization checked?

A. Each time the resource is accessed.

B. The initial time the resource is accessed.

C. Each time the resource is accessed within the configured authorization interval.

D. When the client connection is first established.

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #18 *Topic 1*

An employee in the reporting department needs assistance because their data feed is slowing down. You start by quickly checking the consumer lag for the clients on the data stream.
Which command will allow you to quickly check for lag on the consumers?

A. bin/kafka-consumer-lag.sh

B. bin/kafka-consumer-groups.sh

C. bin/kafka-consumer-group-throughput.sh

D. bin/kafka-reassign-partitions.sh

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #19 *Topic 1*

What are benefits to gracefully shutting down brokers? (Choose two.)

A. It will sync all its logs to disk to avoid needing to do any log recovery when it restarts.

B. It will migrate any partitions the server is the leader for to other replicas prior to shutting down.

C. It will automatically re-elect leaders on restart.

D. It will balance the partitions across brokers before restarting.

Suggested Answer: *AB*

Currently there are no comments in this discussion, be the first to comment!

Question #20 *Topic 1*

How does Kafka guarantee message integrity after a message is written on a disk?

A. A message can be edited by the producer, producing to the message offset.

B. A message cannot be altered once it has been written.

C. A message can be grouped, with message sharing the same key to improve read performance.

D. Only message metadata can be altered using command line (CLI) tools.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #21 *Topic 1*

Which option is a valid Kafka Topic cleanup policy? (Choose two.)

A. delete

B. default

C. compact

D. cleanup

Suggested Answer: *AC*

Currently there are no comments in this discussion, be the first to comment!

Question #22 *Topic 1*

What is the correct permission check sequence for Kafka ACLs?

A. Super Users -> Deny ACL -> Allow ACL -> Deny

B. Allow ACL -> Deny ACL -> Super Users -> Deny

C. Deny ACL -> Deny -> Allow ACL -> Super Users

D. Super Users -> Allow ACL -> Deny ACL-> Deny

Suggested Answer: *D*

Community vote distribution

A (100%)

Viru1699 3 months, 3 weeks ago

Selected Answer: A

Super Users -> Deny ACL -> Allow ACL -> Deny

first, any Deny ACLs are checked; if a Deny ACL applies, access is immediately denied. If no Deny ACL applies, then Allow ACLs are checked; if an Allow ACL matches, access is granted. If neither a Deny nor Allow ACL applies, and the resource has ACLs, access is denied

upvoted 2 times

Question #23 *Topic 1*

The Consumer property 'auto offset reset' determines what to do if there is no valid offset for a Consumer Group.
Which scenario is an example of a valid offset and therefore the 'auto.offset.reset' does NOT apply?

A. The Consumer offset is greater than the last offset in the partition (log end offset).

B. The Consumer offset is less than the smallest offset in the partition (log start offset).

C. The Consumer Group started for the first time.

D. When an offset points to a message that has been removed by compaction but is still within the current partition.offset range.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #24 *Topic 1*

Which ksqlDB statement produces data that is persisted into a Kafka topic?

A. SELECT (Pull Query)

B. SELECT (Push Query)

C. INSERT VALUES

D. CREATE TABLE

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #25 *Topic 1*

A broker in the Kafka cluster is currently acting as the Controller.
Which statement is correct?

A. It can have topic partitions.

B. It is given precedence for replication to and from replica followers.

C. All consumers are allowed to fetch messages only from this server.

D. It is responsible for sending leader information to all producers.

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #26 *Topic 1*

A topic 'recurring payments' is created on a Kafka cluster with three brokers (broker id '0', '1', '2') and nine partitions. The 'min.insync replicas' is set to three, and producer is set with 'acks' as 'all'. Kafka Broker with id '0' is down.
Which statement is correct?

A. Consumers can read committed messages from partitions on broker id '1', '2'.

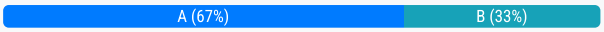
B. Producers can write messages to all the partitions, because new leaders for the partitions will be elected.

C. Producers and consumers will have no impact on six of the nine partitions.

D. Producers will only be able to write messages to the topic where the Leader for the partition is on Broker id '1'.

Suggested Answer: *C*

Community vote distribution



izenolab05 1 month, 3 weeks ago

Selected Answer: A

consumer still can read committed messages from partition that leader on brokers 1 & 2

upvoted 1 times

MainakBandan 1 month, 3 weeks ago

Selected Answer: B

A is partially correct . If we check the overall statement B looks to be correct

upvoted 1 times

Viru1699 3 months, 3 weeks ago

Selected Answer: A

As long as the partitions have active leaders on brokers 1 or 2, consumers can read committed messages. This is not blocked by min.insync.replicas

upvoted 1 times

Question #27 *Topic 1*

Per customer business requirements, a system's high availability is more important than message reliability.
Which of the following should be set?

A. Unclean leader election should be enabled.

B. The number of brokers in the cluster should be always odd (3, 5. 7 and so on).

C. The linger.ms should be set to '0'.

D. Message retention.ms should be set to -1.

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!