

Confluent Certified Developer for Apache Kafka (CCDAK) Exam

1. Where are the ACLs stored in a Kafka cluster by default?

A. Inside the broker's data directory

B. Under Zookeeper node /kafka-acl/

C. In Kafka topic kafka_acls

D. Inside the Zookeeper's data directory

Answer(s): A

2. Is KSQL ANSI SQL compliant?

A. Yes

B. No

Answer(s): B

3. What information isn't stored inside of Zookeeper? (Select two)

A. Schema Registry schemas

B. Consumer offset

C. ACL information

D. Controller registration

E. Broker registration info

Answer(s): B

4. Which KSQL queries write to Kafka?

A. COUNT and JOIN

B. SHOW STREAMS and EXPLAIN statements

C. CREATE STREAM WITH and CREATE TABLE WITH

D. CREATE STREAM AS SELECT and CREATE TABLE AS SELECT

Answer(s): C D

5. There are two consumers C1 and C2 belonging to the same group G subscribed to topics T1 and T2. Each of the topics has 3 partitions. How will the partitions be assigned to consumers with Partition Assigner being Round Robin Assigner?

A. C1 will be assigned partitions 0 and 2 from T1 and partition 1 from T2. C2 will have partition 1 from T1 and partitions 0 and 2 from T2.

B. Two consumers cannot read from two topics at the same time

C. C1 will be assigned partitions 0 and 1 from T1 and T2, C2 will be assigned partition 2 from T1 and T2.

D. All consumers will read from all partitions

Answer(s): A

6. A client connects to a broker in the cluster and sends a fetch request for a partition in a topic. It gets an exception Not Leader For Partition Exception in the response. How does client handle this situation?

A. Get the Broker id from Zookeeper that is hosting the leader replica and send request to it

B. Send metadata request to the same broker for the topic and select the broker hosting the leader replica

C. Send metadata request to Zookeeper for the topic and select the broker hosting the leader replica

D. Send fetch request to each Broker in the cluster

Answer(s): B

7. What is the risk of increasing `max.in.flight.requests.per.connection` while also enabling retries in a producer?

A. At least once delivery is not guaranteed

B. Message order not preserved

C. Reduce throughput

D. Less resilient

Answer(s): B

8. A Kafka producer application wants to send log messages to a topic that does not include any key. What are the properties that are mandatory to configure for the producer configuration? (Select three)

A. `bootstrap.servers`

B. `partition`

C. `key.serializer`

D. `value.serializer`

E. key

F. value

Answer(s): A C D

9. To import data from external databases, I should use

A. Confluent REST Proxy

B. Kafka Connect Sink

C. Kafka Streams

D. Kafka Connect Source

Answer(s): D

10. You are running a Kafka Streams application in a Docker container managed by Kubernetes, and upon application restart, it takes a long time for the docker container to replicate the state and get back to processing the data. How can you improve dramatically the application restart?

A. Mount a persistent volume for your RocksDB

B. Increase the number of partitions in your inputs topic

C. Reduce the Streams caching property

D. Increase the number of Streams threads

Answer(s): A

11. What client protocol is supported for the schema registry? (Select two)

A. HTTP

B. HTTPS

C. JDBC

D. Websocket

E. SASL

Answer(s): A B

12. If I produce to a topic that does not exist, and the broker setting `auto.create.topic.enable=true`, what will happen?

A. Kafka will automatically create the topic with 1 partition and 1 replication factor

B. Kafka will automatically create the topic with the indicated producer settings `num.partitions` and `default.replication.factor`

C. Kafka will automatically create the topic with the broker settings `num.partitions` and `default.replication.factor`

D. Kafka will automatically create the topic with `num.partitions=#of brokers` and `replication.factor=3`

Answer(s): C

13. You want to perform table lookups against a KTable everytime a new record is received from the KStream. What is the output of KStream-KTable join?

A. KTable

B. GlobalKTable

C. You choose between KStream or KTable

D. Kstream

Answer(s): D

14. Using the Confluent Schema Registry, where are Avro schema stored?

A. In the Schema Registry embedded SQL database

B. In the Zookeeper node /schemas

C. In the message bytes themselves

D. In the `_schemas` topic

Answer(s): D

15. Which of the following setting increases the chance of batching for a Kafka Producer?

A. Increase `batch.size`

B. Increase `message.max.bytes`

C. Increase the number of producer threads

D. Increase `linger.ms`

Answer(s): D

16. You have a Kafka cluster and all the topics have a replication factor of 3. One intern at your company stopped a broker, and accidentally deleted all the data of that broker on the disk. What will happen if the broker is restarted?

A. The broker will start, and other topics will also be deleted as the broker data on the disk got deleted

B. The broker will start, and won't be online until all the data it needs to have is replicated from other leaders

C. The broker will crash

D. The broker will start, and won't have any data. If the broker comes leader, we have a data loss

Answer(s): B

17. Select all that applies (select THREE)

A. min.insync.replicas is a producer setting

B. acks is a topic setting

C. acks is a producer setting

D. min.insync.replicas is a topic setting

E. min.insync.replicas matters regardless of the values of acks

F. min.insync.replicas only matters if acks=all

Answer(s): C D F

18. A customer has many consumer applications that process messages from a Kafka topic. Each consumer application can only process 50 MB/s. Your customer wants to achieve a target throughput of 1 GB/s. What is the minimum number of partitions will you suggest to the customer for that particular topic?

A. 10

B. 20

C. 1

D. 50

Answer(s): B

19. Your producer is producing at a very high rate and the batches are completely full each time. How can you improve the producer throughput? (select two)

A. Enable compression

B. Disable compression

C. Increase batch.size

D. Decrease batch.size

E. Decrease linger.ms Increase linger.ms

Answer(s): A C

20. In Avro, adding a field to a record without default is aschema evolution

A. forward

B. backward

C. full

D. breaking

Answer(s): A
