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We learned that a majority of the candidates for the exam are office workers or students who are occupied with a lot of things, and do not have plenty of time to prepare for the CCAAK exam. Taking this into consideration, we have tried to improve the quality of our CCAAK training materials for all our worth. Now, I am proud to tell you that our CCAAK Exam Questions are definitely the best choice for those who have been yearning for success but without enough time to put into it. Just buy them and you will pass the exam by your first attempt!

Confluent CCAAK Exam Syllabus Topics:

Topic	Details
Topic 1	• Apache Kafka® Security: This section of the exam measures skills of a Site Reliability Engineer and focuses on securing Kafka environments. It includes authentication mechanisms such as TLS and SASL, authorization using ACLs, and encrypting data at rest and in transit to ensure secure communication and access control.
Topic 2	• Observability: This section of the exam measures skills of a Site Reliability Engineer and focuses on monitoring Kafka clusters. It assesses knowledge of metrics, logging, and alerting tools, including how to use them to maintain cluster health and performance visibility.
Topic 3	• Apache Kafka® Fundamentals: This section of the exam measures skills of a Kafka Administrator and covers core concepts such as Kafka architecture, components, and data flow. It assesses the candidate's understanding of topics like topics and partitions, brokers, producers, consumers, and message retention.
Topic 4	• Deployment Architecture: This section of the exam measures skills of a Kafka Administrator and covers different Kafka deployment topologies. It evaluates understanding of high availability, disaster recovery, multi-data center replication, and the roles of Zookeeper or KRaft in the cluster architecture.

Topic 5	• Kafka Connect: This section of the exam measures skills of a Site Reliability Engineer and addresses the use and management of Kafka Connect for data integration. It includes setting up connectors, managing configurations, and ensuring efficient movement of data between Kafka and external systems.
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Confluent Certified Administrator for Apache Kafka Sample Questions (Q45-Q50):

NEW QUESTION # 45

A developer is working for a company with internal best practices that dictate that there is no single point of failure for all data stored.

What is the best approach to make sure the developer is complying with this best practice when creating Kafka topics?

- A. Set 'min.insync.replicas' to 1.
- B. Use the parameter --partitions=3 when creating the topic.
- **C. Set the topic replication factor to 3.**
- D. Make sure the topics are created with linger.ms=0 so data is written immediately and not held in batch.

Answer: C

Explanation:

Replication factor determines how many copies of each partition exist across different brokers. A replication factor of 3 ensures that even if one or two brokers fail, the data is still available, thus eliminating a single point of failure.

NEW QUESTION # 46

Which tool is used for scalably and reliably streaming data between Kafka and other data systems?

- A. Kafka Schema Registry
- B. Kafka REST Proxy
- C. Kafka Streams
- **D. Kafka Connect**

Answer: D

Explanation:

Kafka Connect is the tool designed for scalable and reliable integration between Kafka and external data systems (e.g., databases, cloud storage, key-value stores). It supports source connectors (to pull data into Kafka) and sink connectors (to push data from Kafka).

NEW QUESTION # 47

You have a cluster with a topic t1 that already has uncompressed messages. A new Producer starts sending messages to t1 with compression enabled.

Which condition would allow this?

- A. Never, because topic t1 already has uncompressed messages.
- B. Only if the new Producer disables batching.

- C. If the new Producer is configured to use compression.
- D. Only if Kafka is also enabled for encryption.

Answer: C

Explanation:

Kafka allows mixed compression formats within the same topic and even the same partition. Each message batch includes metadata indicating whether and how it is compressed. Therefore, a new producer can send compressed messages to a topic that already contains uncompressed messages, as long as it is configured with a compression codec (e.g., `compression.type=gzip`, `snappy`, etc.).

NEW QUESTION # 48

A Kafka cluster with three brokers has a topic with 10 partitions and a replication factor set to three. Each partition stores 25 GB data per day and data retention is set to 24 hours.

How much storage will be consumed by the topic on each broker?

- A. 250 GB
- B. 75 GB
- C. 750 GB
- D. 300 GB

Answer: D

Explanation:

$10 \text{ partitions} \times 25 \text{ GB/day} = 250 \text{ GB total per day for the topic (primary data)}$.

With a replication factor of 3, there are 3 full copies of the data: $250 \text{ GB} \times 3 = 750 \text{ GB total across the entire cluster}$.

The cluster has 3 brokers, and Kafka tries to distribute replicas evenly among them: $750 \text{ GB} \div 3 \text{ brokers} = 250 \text{ GB per broker on average}$.

However, due to replication, some partitions have leaders and followers, so there's some overlap and not-perfect distribution. Each broker stores approximately $\frac{2}{3}$ of the total topic data (since each broker holds replicas for around $\frac{2}{3}$ of the partitions).

$\frac{2}{3} \times 750 \text{ GB} = 500 \text{ GB}$, but this is shared, so each broker ends up storing ~300 GB of replicated data, including its share of leaders and followers.

NEW QUESTION # 49

If the Controller detects the failure of a broker that was the leader for some partitions, which actions will be taken? (Choose two.)

- A. The Controller persists the new leader and ISR list to ZooKeeper.
- B. The Controller sends the new leader and ISR list changes to all brokers.
- C. The Controller waits for a new leader to be nominated by ZooKeeper.
- D. The Controller sends the new leader and ISR list changes to all producers and consumers.

Answer: A,B

Explanation:

The Controller updates ZooKeeper with the new leader and in-sync replica (ISR) information to maintain metadata consistency. Brokers need this information to correctly route client requests and continue replication.

NEW QUESTION # 50

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