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Confluent CCDAK Exam Overview:

Certification Vendor:	Confluent
Exam Name:	Confluent Certified Developer for Apache Kafka Certification Examination
Exam Number:	CCDAK
Real Exam Qty:	60
Certificate Validity Period:	3 years
Exam Duration:	90 minutes
Related Certifications:	Confluent Certified Administrator for Apache Kafka (CCAAK)
Passing Score:	Approximately 60%
Exam Format:	Multiple Choice (Single Answer), Multiple Choice (Multiple Answers)
Available Languages:	English
Exam Price:	\$150 USD
Sample Questions:	Confluent CCDAK Sample Questions
Exam Way:	Online proctored exam (Pearson VUE) or in-person testing center
Pre Condition:	Recommended: 6+ months of hands-on experience with Apache Kafka and Confluent Platform. Familiarity with distributed systems concepts is strongly recommended.
Official Syllabus URL:	https://www.confluent.io/certification/

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The CCDAK Certification is ideal for developers who want to demonstrate their expertise in Apache Kafka and advance their careers in this field. Confluent Certified Developer for Apache Kafka Certification Examination certification is also beneficial for organizations that use Kafka in their infrastructure, as it ensures that their developers have the necessary skills to build and manage Kafka clusters and applications. Confluent Certified Developer for Apache Kafka Certification Examination certification is valid for two years, and developers are required to renew their certification by passing a recertification exam.

Confluent Certified Developer for Apache Kafka Certification Examination Sample Questions (Q67-Q72):

NEW QUESTION # 67

(You create a topic with five partitions.

What can you assume about messages read from that topic by a single consumer group?)

- A. Messages from one partition can be consumed by any of the consumers in a group for faster processing.
- B. All messages will be read from exactly one broker by the consumer group.
- C. The consumer group can only read the same number of messages from all the partitions.
- **D. Messages can be consumed by a maximum of five consumers in the same consumer group.**

Answer: D

Explanation:

The Apache Kafka documentation explains that Kafka's parallelism model is based on topic partitions and consumer groups. Within a single consumer group, each partition can be assigned to at most one consumer at a time. As a result, the maximum level of parallelism for a consumer group is equal to the number of partitions in the topic.

In this scenario, the topic has five partitions, which means that up to five consumers in the same consumer group can actively consume data in parallel. If more than five consumers are added, the extra consumers will remain idle because there are no additional partitions to assign.

Option B is incorrect because Kafka does not enforce equal message consumption across partitions; message distribution depends on producers and partitioning strategy. Option C is false because partitions may be hosted on different brokers, and consumers fetch data from multiple brokers. Option D is incorrect because a single partition cannot be consumed by multiple consumers within the same group simultaneously.

Therefore, the only valid assumption is that a maximum of five consumers can actively consume messages in the same consumer group.

NEW QUESTION # 68

(You create an Orders topic with 10 partitions.

The topic receives data at high velocity.

Your Kafka Streams application initially runs on a server with four CPU threads.

You move the application to another server with 10 CPU threads to improve performance.

What does this example describe?)

- **A. Vertical Scaling**
- B. Plain Scaling
- C. Scaling Out
- D. Horizontal Scaling

Answer: A

Explanation:

This scenario describes vertical scaling, as defined in the Apache Kafka Streams documentation and general distributed systems terminology. Vertical scaling refers to adding more resources (CPU, memory, or disk) to a single machine to increase processing capacity.

In this example, the Kafka Streams application is moved from a server with four CPU threads to one with ten CPU threads, increasing the available compute resources without increasing the number of application instances. Kafka Streams can take advantage of additional CPU threads through its `num.stream.threads` configuration, allowing more partitions to be processed in parallel within the same application instance.

Horizontal scaling (also known as scaling out) would involve adding more application instances across multiple servers, not upgrading a single server. Option D is therefore incorrect, and Option C is not a recognized scaling term.

Thus, this example clearly illustrates vertical scaling, where performance is improved by increasing the capacity of a single node.

NEW QUESTION # 69

You have a Kafka client application that has real-time processing requirements. Which Kafka metric should you monitor?

- A. Consumer lag between brokers and consumers
- B. Total time to serve requests to replica followers
- C. Consumer heartbeat rate to group coordinator
- D. Aggregate incoming byte rate

Answer: A

Explanation:

For real-time applications, the key metric to monitor is consumer lag- the difference between the latest offset on the broker and the last committed offset by the consumer.

From Kafka Monitoring Guide:

"Consumer lag is the most important metric for real-time applications. It tells you how far behind the consumer is from the latest data in Kafka."

* B relates to replication, not client responsiveness.

* C tracks group membership stability, not data delay.

* D tracks input throughput, not processing latency.

Reference: Kafka Operations > Monitoring > Consumer Lag

NEW QUESTION # 70

What are the requirements for a Kafka broker to connect to a Zookeeper ensemble? (select two)

- A. Unique values for each broker's broker.id parameter
- B. Unique value for each broker's zookeeper.connect parameter
- C. All the brokers must share the same broker.id
- D. All the brokers must share the same zookeeper.connect parameter

Answer: A,D

Explanation:

Each broker must have a unique broker id and connect to the same zk ensemble and root zNode

NEW QUESTION # 71

Which configuration determines how many bytes of data are collected before sending messages to the Kafka broker?

- A. max.request.size
- B. send.buffer, bytes
- C. buffer, memory
- D. batch.size

Answer: D

NEW QUESTION # 72

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