



**Free Questions for CCDAK by certsinside**

**Shared by Sharp on 06-06-2022**

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# Question 1

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**Question Type:** MultipleChoice

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In Kafka, every broker... (select three)

## Options:

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- A- contains all the topics and all the partitions
- B- knows all the metadata for all topics and partitions
- C- is a controller
- D- knows the metadata for the topics and partitions it has on its disk
- E- is a bootstrap broker
- F- contains only a subset of the topics and the partitions

## Answer:

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B, E, F

## Explanation:

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Kafka topics are divided into partitions and spread across brokers. Each brokers knows about all the metadata and each broker is a bootstrap broker, but only one of them is elected controller

## Question 2

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**Question Type:** MultipleChoice

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A topic "sales" is being produced to in the Americas region. You are mirroring this topic using Mirror Maker to the European region. From there, you are only reading the topic for analytics purposes. What kind of mirroring is this?

**Options:**

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**A-** Passive-Passive

**B-** Active-Active

**C-** Active-Passive

**Answer:**

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C

### **Explanation:**

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This is active-passing as the replicated topic is used for read-only purposes only

## **Question 3**

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### **Question Type: MultipleChoice**

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What is true about replicas ?

### **Options:**

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- A-** Produce requests can be done to the replicas that are followers
- B-** Produce and consume requests are load-balanced between Leader and Follower replicas
- C-** Leader replica handles all produce and consume requests
- D-** Follower replica handles all consume requests

### **Answer:**

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C

### **Explanation:**

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Replicas are passive - they don't handle produce or consume request. Produce and consume requests get sent to the node hosting partition leader.

## **Question 4**

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### **Question Type: MultipleChoice**

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If I want to send binary data through the REST proxy, it needs to be base64 encoded. Which component needs to encode the binary data into base 64?

### **Options:**

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- A-** The Producer
- B-** The Kafka Broker
- C-** Zookeeper
- D-** The REST Proxy

**Answer:**

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A

**Explanation:**

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The REST Proxy requires to receive data over REST that is already base64 encoded, hence it is the responsibility of the producer

## Question 5

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**Question Type: MultipleChoice**

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What's is true about Kafka brokers and clients from version 0.10.2 onwards?

**Options:**

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- A-** Clients and brokers must have the exact same version to be able to communicate
- B-** A newer client can talk to a newer broker, but an older client cannot talk to a newer broker
- C-** A newer client can talk to a newer broker, and an older client can talk to a newer broker

**D-** A newer client can't talk to a newer broker, but an older client can talk to a newer broker

**Answer:**

---

C

**Explanation:**

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Kafka's new bidirectional client compatibility introduced in 0.10.2 allows this. Read more here <https://www.confluent.io/blog/upgrading-apache-kafka-clients-just-got-easier/>

## Question 6

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**Question Type:** MultipleChoice

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How will you set the retention for the topic named my-topic to 1 hour?

**Options:**

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- A- Set the broker config log.retention.ms to 3600000
- B- Set the consumer config retention.ms to 3600000
- C- Set the topic config retention.ms to 3600000
- D- Set the producer config retention.ms to 3600000

**Answer:**

---

C

**Explanation:**

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retention.ms can be configured at topic level while creating topic or by altering topic. It shouldn't be set at the broker level (log.retention.ms) as this would impact all the topics in the cluster, not just the one we are interested in

## Question 7

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**Question Type:** MultipleChoice

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Two consumers share the same group.id (consumer group id). Each consumer will



**Options:**

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- A- Read mutually exclusive offsets blocks on all the partitions
- B- Read all the data on mutual exclusive partitions
- C- Read all data from all partitions

**Answer:**

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B

**Explanation:**

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Each consumer is assigned a different partition of the topic to consume.

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