Graded Quiz: Using Apache Kafka to build Pipelines for Streaming Data

Quiz • 20 min

Submit your assignment

Due Jul 9, 11:59 PM EDT **Attempts** 3 every 8 hours

Receive grade

To Pass 70% or higher

Like Dislike Report an issue

Resume assignment

Your grade

–

1. ESPs act as middle layer between multiple event sources and destinations. ESP solutions have different architectures and components but also some common components. Which of the following common components receives and consumes events? **1 point**

- Query engine
- Analytic engine
- Event broker
- Event storage

2. The core component of any ESP is the event broker. Which event broker sub-component performs encryption on data? **1 point**

- Consumption
- Processor
- Ingester
- Storage

3. The Kafka server side is a cluster with many associated servers. What are the associated servers called? **1 point**

- Associates
- Sub-servers
- Brokers
- Controllers

4. Which of the following Kafka main features provides consumption without a deadline? **1 point**

- Reliability
- Open source
- Distribution system
- Permanent persistency

5. Which of the following Kafka core components publish events into topics? **1 point**

- Brokers
- Consumers
- Producers
- Partitions

6. Which of the Kafka CLI script files manages topics? **1 point**

- Kafka-console-consumer
- Kafka-topics
- Kafka-console
- Kafka-console-producer

7. Which of the following is Kafka Streams API based on? **1 point**

- Transformational graph
- Computational graph
- Gantt chart
- Java

8. Which of the following do stream processors do? **1 point**

- Processes and forwards
- Extracts, loads, and transforms
- Extracts, transforms, and loads
- Receives, transforms, and forwards

9. Kafka Streams API is based on a computational graph called a stream processing topology. And in the topology, each node is a stream processor, while edges are the I/O streams. In this topology we find two special types of processors: What are they called? **1 point**

- Mapping and transformation processor
- Stream and topic processor
- Source and sink processor
- Aggregation and stream processor

10. Once events are published and properly stored in topic partitions, you can create _____ to read them. **1 point**

- Partitions
- Producers
- Consumers
- Brokers

Upgrade to submit