

≡ Hide menu

- Using Apache Kafka to build Pipelines for Streaming Data
- ✓

Video: Distributed Event Streaming Platform Components

6 min
- ✓

Video: Apache Kafka Overview

6 min
- ✓

Video: Building Event Streaming Pipelines using Kafka

10 min
- ✓

Video: Kafka Streaming Process

5 min
- 🕒

Ungraded App Item: Hands-on Lab: Working with Streaming Data using Kafka

20 min
- 🕒

Ungraded App Item: (Optional) Hands-on Lab: Message Keys and Offset

40 min
- 🔌

Ungraded Plugin: Kafka Python Client

30 min
- ✓

Reading: Summary & Highlights
- ✓

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

5 questions
- 📖

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

10 questions

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

1. Streams and microservices are built on top of multiple services and distributed systems. An ESP (Event Streaming Platform) provides a set of services and components but also some common components. Which of the following common components receives and consumes events?

☐ Query engine

☐ Analytic engine

☒ Event broker

☐ Event storage

1 point

Resume assignment

Your grade

-

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

☐ Consumption

☐ Processor

☐ Ingestor

☒ Storage

1 point

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

☐ Associates

☐ Sub-servers

☒ Brokers

☐ Controllers

1 point

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

☒ Reliability

☐ Open source

☐ Distribution system

☐ Permanent persistency

1 point

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

☐ Brokers

☐ Consumers

☒ Producers

☐ Partitions

1 point

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

☐ Kafka-console-consumer

☒ Kafka-topics

☐ Kafka-console

☐ Kafka-console-producer

1 point

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

☐ Transformational graph

☒ Computational graph

☐ Gantt chart

☐ Java

1 point

8. Which of the following do stream processors do?

☐ Processes and forwards

☐ Extracts, loads, and transforms

☒ Extracts, transforms, and loads

☐ Receives, transforms, and forwards

1 point

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?

☐ Mapping and transformation processor

☐ Stream and topic processor

☒ Source and sink processor

☐ Aggregation and stream processor

1 point

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

☐ Partitions

☐ Producers

☒ Consumers

☐ Brokers

1 point

Upgrade to submit

