

# Confluent Certified Operator for Apache Kafka Certification Examination

---

## Introduction

This examination is based upon the most critical job activities that a Confluent Operator performs. The skills and knowledge certified by this examination represent a level of expertise where a Certified Operator can build, manage and monitor an Apache Kafka® cluster. The individual taking this exam should understand the role of Kafka in the modern data distribution pipeline and be able to discuss core Kafka concepts.

The test specification is intended to address the knowledge and skill areas that demonstrate proficiency as a Confluent Operator. The basic knowledge and skills required at this level should include all of the following areas and objective components below. The knowledge level can be defined as having:

### Product Knowledge:

- A minimum of 6-12 months hands-on experience using Confluent products.
- Basic cluster operations
- Understanding of how to interpret cluster metrics
- Understanding of performance tuning the cluster
- Understanding of how to recover from a broker failure
- Understanding of how to secure the cluster

### General IT Knowledge:

- Attendees should have a strong knowledge of Linux/Unix and understand basic TCP/IP networking concepts
- Familiarity with the Java virtual machine (JVM) is helpful.
- In-depth knowledge of at least 1 programming language (Ex. Java, C#, Python, Go) is helpful

These training courses or other equivalent methodologies may assist in exam preparation:

### Training:

Confluent Operations for Apache Kafka (3-day Instructor led-training class)

- <https://www.confluent.io/training/confluent-operations-training/>

Confluent Advanced Skills for Optimizing Apache Kafka (3-day Instructor led-training class)

- <https://www.confluent.io/training/confluent-optimizing-kafka/>

# Confluent Certified Operator for Apache Kafka Certification Examination

---

## White Papers:

### Optimizing Your Apache Kafka Deployment

- <https://www.confluent.io/white-paper/optimizing-your-apache-kafka-deployment/>

### Apache Kafka and Confluent Enterprise Reference Architecture

- <https://www.confluent.io/whitepaper/confluent-enterprise-reference-architecture/>
- <https://www.confluent.io/resources/>

The skills and knowledge measured by this examination are derived from current course content and from an understanding of the jobs of current Confluent Operators.

The table below lists the domains measured by this examination and the extent to which they are represented.

Domain	% Of Examination
1.0 Kafka Fundamentals	15%
2.0 Managing, configuring and optimizing a cluster for performance	30 %
3.0 Kafka Security	15 %
4.0 Designing, troubleshooting and Integrating Systems	40%
Total	100.00%

## **Response Limits**

The examinee selects, from four (4) or more response options, the option(s) that best completes the statement or answers the question. Distracters or wrong answers are response options that examinees with incomplete knowledge or skill would likely choose but are generally plausible responses fitting into the content area defined by the test objective.

**Multiple-choice:** The examinee selects one option that best answers the question or completes a statement. The option can be embedded in a graphic where the examinee “points and clicks” on their selection choice to complete the test item.

**Multiple-response:** The examinee selects more than one option that best answers the question or completes a statement.