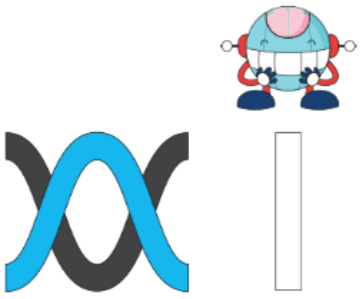
SPARTAN
Allied Services
Deliver Results - Create Value

simplilearn



APACHE KAFKA CERTIFICATION

Course Overview:

In this Apache Kafka certification training, you will learn to master architecture, installation, configuration, and interfaces of Kafka open-source messaging. With this Kafka course, you will learn the basics of Apache ZooKeeper as a centralized service and develop the skills to deploy Kafka for real-time messaging.

Key Features:

- Life time access to self-paced content
- Includes 1 industry-based case study

Skills Covered:

- Fundamental concepts of Kafka
- Kafka architecture
- Install and configure Kafka
- Kafka interfaces
- Apache ZooKeeper
- Kafka for real-time messaging

Who Will Benefit:

Professionals aspiring for a career in Big Data can take up this Apache Kafka certification training. It is also suited for analytics professionals, researchers, IT developers, testers, project managers, and individuals looking for a change in career.

Prerequisites:

Learners need to possess an undergraduate degree or a high school diploma. D133Prior knowledge of any messaging system, Java or any other programming language, and Linux or Unix-based systems.

Course Agenda:

Lesson 1: APACHE KAFKA ARCHITECTURE

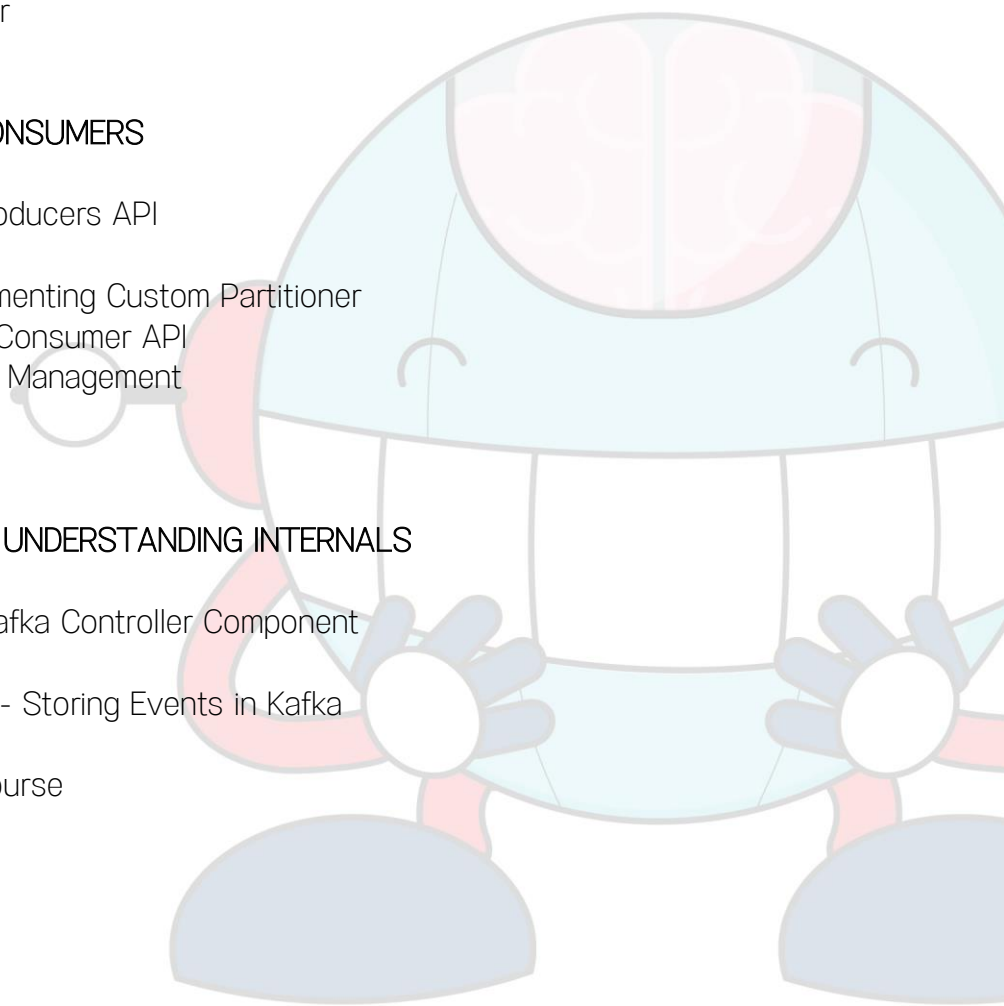
- The Course Overview
- Building Applications in the Publish-Subscribe Architecture
- Topics and Partitions
- How Kafka Cluster is Built? - Brokers
- Setup of Kafka - Using Docker

Lesson 2: PRODUCERS AND CONSUMERS

- Sending Events to Kafka - Producers API
- Asynchronous Send
- Partitioning of Topics - Implementing Custom Partitioner
- Reading Events from Kafka - Consumer API
- Consumer Pool Loop - Offset Management
- Rebalancing of Consumers

Lesson 3: ADVANCED KAFKA - UNDERSTANDING INTERNALS

- Electing Partition Leaders - Kafka Controller Component
- Data Replication in Kafka
- Append-Only Distributed Log - Storing Events in Kafka
- Compaction Process
- Summary of Apache Kafka Course



AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

Learning Partners

SPARTAN Allied Services
Deliver Results - Create Value

SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic

Technology Partner

freshworks

Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

Partners & Affiliates

The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.

Office Addresses

NXT AIS Inc.

Juan Antonio III Building
315 Maysilo Circle, Mandaluyong, Philippines

SAS Management, Inc.

- **Head Office**

Unit 1602 Cityland 10 Tower
2 6815 HV dela Costa cor Ayala Avenue
Makati City, Philippines

- **Branch Office**

Unit 204 Villa Building
Jupiter St. corner Makati Avenue
Makati City, Philippines