DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Kafka Cluster Foundation Training

Explain Kafka's architecture and run a single-node KRaft cluster with topics, producers and consumers.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	11 topics · Foundation
Hands-on labs	1 lab
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/kafka/kafka-cluster-foundation-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Kafka Cluster course path, you will be able to:

1

Run Kafka clusters

Install, configure and operate KRaft-based Kafka clusters from a single node to multiple brokers.

2

Deliver data reliably

Configure producers, consumers, topics and security so events are durable, ordered and protected.

3

Operate Kafka at scale

Monitor, tune, rebalance and recover production Kafka with tiered storage, DR and Kubernetes.

WHAT THE FOUNDATION LEVEL ADDS

Kafka architecture, KRaft and first cluster

Hands-on: Run a single-node KRaft Kafka. Format and start a single KRaft node, create a topic with several partitions and exchange messages between console producers and consumers.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Kafka Cluster and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Kafka Cluster on real work.
- Leads and managers who want first-hand familiarity with Kafka Cluster.

BEFORE YOU START

- No prior Kafka Cluster experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

Kafka Cluster Foundation Training agenda

11 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Kafka architecture, KRaft and first cluster

New at this level

1. Event streaming concepts: events, producers, consumers and topics, and why Kafka decouples systems
2. Kafka architecture: brokers, controllers and the KRaft metadata quorum, with ZooKeeper removed in Kafka 4.x
3. Topics and partitions: ordering per partition, offsets, log segments and retention by time or size
4. Replication basics: leaders, followers, replication factor and in-sync replicas (ISR)
5. Installing Apache Kafka: Java 17 runtime, downloading the release, directory layout and config files
6. Formatting storage: kafka-storage.sh random-uuid and kafka-storage.sh format for a KRaft node
7. Starting a combined node: process.roles=broker,controller, node.id and listeners in server.properties
8. Topic CLI: kafka-topics.sh --create, --list and --describe with partitions and replication factor
9. Console clients: kafka-console-producer.sh and kafka-console-consumer.sh with --from-beginning
10. Consumer groups introduction: group.id, partition assignment and kafka-consumer-groups.sh --describe
11. Kafka in containers: the apache/kafka image and Docker Compose for local labs

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Run a single-node KRaft Kafka

Format and start a single KRaft node, create a topic with several partitions and exchange messages between console producers and consumers.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Kafka Cluster levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR KAFKA CLUSTER TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/kafka/

ENROL OR RESERVE A SEAT
Kafka Cluster Foundation Training

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Next step after this level: Kafka Cluster Essential Training - Build a multi-broker KRaft cluster and configure producers, consumers and topics for reliable delivery.