DevOpsSchool

Course curriculum · November 2026

KUBERNETES · TRAINING PROGRAM

Kubernetes Operator Course

A practical, hands-on Kubernetes Operator Course curriculum: 34 topics over 2 days. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE **Max 8-10 hours**	CORPORATE **Private team batch, on demand**	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**

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	34 topics over 2 days
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/kubernetes/operator-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether Kubernetes Operator Course matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 34 TOPICS OVER 2 DAYS

Day 1

21 topics · Operator Introduction

Day 2

13 topics · The Operator Framework and SDK Length

AGENDA · 34 TOPICS OVER 2 DAYS

Kubernetes Operator Course agenda

Days are for corporate (day-wise) delivery; live online batches cover the agenda in max 8-10 hours.

DAY 1

21 topics

1. Operator Introduction
2. Kubernetes application basics
3. Kubernetes controllers and Custom Resource Definitions (CRD)
4. Operator architecture
5. CoreOS Operator framework
6. Operator pattern
7. Working with operatorhub.io
8. Deploying Operators
9. Using an Operator
10. Automating Stateful Applications with Kubernetes Operators Length
11. Kubernetes automation primitives and orchestration of stateless applications
12. The Problem: Most apps have state. It would be nice to automate their scaling, recovery, with common methods
13. Demo: Etcd Operator managing an etcd cluster on Kubernetes
14. Q&A
15. An example Operator
16. deploying an application on demand
17. taking and restoring backups of that application's state
18. handling upgrades of the application code alongside related changes such as database schemas
19. publishing a Service to applications that don't support Kubernetes APIs to discover them
20. simulating failure in all or part of your cluster to test its resilience
21. choosing a leader for a distributed application without an internal member election process

DAY 2

13 topics

22. The Operator Framework and SDK Length
23. SDK: Tools for Go, Ansible, Helm, ...
24. Operator Lifecycle Manager & distributing Operators
25. Exercise: Deploying from Operator Hub
26. Operator-sdk tool
27. Operand: the example application
28. Generating Operator scaffolding
29. Exercise: Create, build, test, and deploy an Operator
30. Operators are software SREs Length
31. SRE principles
32. Table stakes automation: Deploy, replication, lifecycle
33. Operator Maturity Model

34. The Pager Loop: Identifying advanced automation targets

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	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. 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 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 courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
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