DevOpsSchool

Course curriculum · November 2026

KUBERNETES · CERTIFICATION-FOCUSED PROGRAM

Certified Kubernetes Security Specialist (CKS) Training

A practical, hands-on Certified Kubernetes Security Specialist (CKS) Training curriculum: 46 topics over 3 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	46 topics over 3 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/certified-kubernetes-security-specialist-cks.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 Certified Kubernetes Security Specialist (CKS) Training 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.

Preparing for the exam? This course follows the official exam objectives and includes mock exams. DevOpsSchool is an independent training provider and is not affiliated with The Linux Foundation or the CNCF.

AGENDA AT A GLANCE · 46 TOPICS OVER 3 DAYS

Day 1
19 topics · Cluster Setup

Day 2
14 topics · Microservices

Day 3
13 topics · Supply Chain Security

AGENDA · 46 TOPICS OVER 3 DAYS

Certified Kubernetes Security Specialist (CKS) Training agenda

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

DAY 1

19 topics

1. Cluster Setup
2. Use Network security policies to restrict cluster level access
3. Use CIS benchmark to review the security configuration of Kubernetes components (etcd,
4. kubelet, kubedns, kubeapi)
5. Properly set up Ingress objects with security control
6. Protect node metadata and endpoints
7. Minimize use of, and access to, GUI elements
8. Verify platform binaries before deploying
9. Cluster Hardening
10. Restrict access to Kubernetes API
11. Use Role-Based Access Controls to minimize exposure
12. Exercise caution in using service accounts e.g. disable defaults, minimize permissions on
13. newly created ones
14. Update Kubernetes frequently
15. System Hardening
16. Minimize host OS footprint (reduce attack surface)
17. Minimize IAM roles
18. Minimize external access to the network
19. Appropriately use kernel hardening tools such as AppArmor, seccomp

DAY 2

14 topics

20. Microservices
21. Introduction to Microservices
22. Microservices Architecture
23. What is Istio?
24. What is a service mesh?
25. Why use Istio?
26. Core features
27. Traffic management
28. Security
29. Minimize Microservice Vulnerabilities
30. Setup appropriate OS level security domains e.g. using PSP, OPA, security contexts
31. Manage Kubernetes secrets
32. Use container runtime sandboxes in multi-tenant environments (e.g. gvisor, kata containers)
33. Implement pod to pod encryption by use of mTLS

DAY 3 13 topics

34. Supply Chain Security
35. Minimize base image footprint
36. Secure your supply chain: whitelist allowed image registries, sign and validate images
37. Use static analysis of user workloads (e.g. Kubernetes resources, docker files)
38. Scan images for known vulnerabilities
39. Monitoring, Logging and Runtime Security
40. Perform behavioral analytics of syscall process and file activities at the host and container
41. level to detect malicious activities
42. Detect threats within a physical infrastructure, apps, networks, data, users, and workloads
43. Detect all phases of attack regardless where it occurs and how it spreads
44. Perform deep analytical investigation and identification of bad actors within environment
45. Ensure immutability of containers at runtime
46. Use Audit Logs to monitor access

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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