DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Continuous Deployment Advanced Training

Run continuous deployment across many services, clusters and regions with governance, supply chain security and measured improvement.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	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 · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	40 topics · Foundation to Advanced
Hands-on labs	4 labs
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/continuous-deployment/continuous-deployment-advance-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 Continuous Deployment course path, you will be able to:

1

Design deployment pipelines

Build pipelines that move immutable artifacts safely from commit to production.

2

Release with low risk

Use blue-green, canary, feature flags, GitOps and automated analysis to deploy safely.

3

Scale continuous deployment

Govern, secure and continuously improve deployments across many services and teams.

WHAT THE ADVANCED LEVEL ADDS

Scale, governance, resilience and improvement

Hands-on: Continuous deployment platform capstone. Design a governed continuous deployment platform for several services across two clusters with SLO-based rollback and DORA reporting.

WHO SHOULD ATTEND

- Experienced Continuous Deployment practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Continuous Deployment solutions.
- Teams making Continuous Deployment an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Run GitOps deployments with Argo CD or Flux, automate canary analysis and secure and observe the deployment process.
- 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 TO ADVANCED

Continuous Deployment Advanced Training agenda

40 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: Deployment pipeline concepts and first deploy

Included from Foundation

1. Continuous integration, delivery and deployment: definitions and differences
2. Deployment pipeline: commit, build, test, release and deploy stages
3. Release and labeling strategies: versioning, tags and build promotion
4. Environments: dev, test, staging and production and environment parity
5. Artifacts: immutable builds, artifact repositories and container images
6. Deployment automation basics: scripts versus tools and idempotent deployments
7. Server preparation: provisioning targets and configuration management
8. Feedback loops: post-deploy monitoring and notifications
9. Culture: organizational buy-in and shared ownership of releases
10. First automated deployment: pipeline deploy to a test server

DAY 2 Essential: Deployment strategies, flags and rollback

Included from Essential

11. Deployment strategies: recreate, rolling, blue-green and canary
12. Feature flags: decoupling deploy from release and flag lifecycle
13. Database migrations: Flyway, Liquibase and expand and contract changes
14. Packaging for deployment: Docker images and Helm charts
15. Pipeline tools: deploy stages in Jenkins, GitHub Actions, GitLab CI and Azure Pipelines
16. Configuration and secrets: per-environment configuration and secret stores
17. Approvals and gates: manual approvals and automated quality gates
18. Rollback strategies: redeploying the previous version and rolling forward
19. Verification: smoke tests and post-deploy checks
20. Kubernetes Deployments: rollout status, rollout undo and readiness probes

DAY 3 Intermediate: GitOps, progressive delivery and verification

Included from Intermediate

21. GitOps: Argo CD and Flux, declarative desired state and sync policies
22. Progressive delivery: Argo Rollouts and Flagger
23. Automated canary analysis: metric checks with Prometheus queries
24. Spinnaker overview: pipelines and deployment targets
25. Environment promotion: image promotion and environment folders versus branches
26. Infrastructure deployments: Terraform plan and apply with approvals
27. Deployment security: least-privilege deploy credentials and OIDC to cloud
28. Deployment observability: deployment markers and DORA metrics
29. Windows web deployments: packaging with MSBuild and deploying with Microsoft Web Deploy
30. Troubleshooting: failed health checks, image pull errors and configuration drift

DAYS 4-5 **Advanced: Scale, governance, resilience and improvement** — New at this level

31. Continuous deployment at scale: many services, deployment platforms and orchestration
32. Multi-cluster and multi-region: Argo CD ApplicationSets and fleet management
33. Stateful zero downtime: data migrations, dual writes and queue-based cutovers
34. Release governance: automated change records, audit trails and SOX-style controls
35. Supply chain security: signed artifacts, provenance and admission verification
36. Resilience: automated rollback on SLO burn and chaos tests in pipelines
37. Continuous improvement: the feedback loop, metrics loop and improvement cycle
38. Platform engineering: golden paths and self-service deployment
39. Adoption: moving teams from scheduled releases to continuous deployment
40. Capstone: continuous deployment platform for a microservices system

PRACTICE

Hands-on labs

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

FOUNDATION

Automate a first deployment

Build a pipeline that packages an application as a versioned artifact and deploys it automatically to a test server with a smoke test.

ESSENTIAL

Blue-green deploy with rollback

Deploy an application to Kubernetes with a blue-green switch, a database migration and a tested one-command rollback.

INTERMEDIATE

GitOps canary with automated analysis

Set up Argo CD and Argo Rollouts to deploy a service by canary with Prometheus-based analysis that aborts on error-rate spikes.

ADVANCED

Continuous deployment platform capstone

Design a governed continuous deployment platform for several services across two clusters with SLO-based rollback and DORA reporting.

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 Continuous Deployment levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days 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 CONTINUOUS DEPLOYMENT 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/continuous-deployment/

ENROL OR RESERVE A SEAT
Continuous Deployment Advanced Training

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