DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

CloudBees Advanced Training

Operate CloudBees for large enterprises with sharded controllers, governed upgrades, compliance evidence and platform engineering patterns.

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, 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/cloudbees/cloudbees-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 CloudBees course path, you will be able to:

1

Run CloudBees CI

Install and operate CloudBees CI with operations center, managed controllers and Kubernetes agents.

2

Standardize delivery

Use shared libraries, pipeline catalogs, RBAC, CasC, CD/RO and feature flags across teams.

3

Scale and govern CI/CD

Run highly available, secure and compliant CloudBees platforms and migrate from Jenkins.

WHAT THE ADVANCED LEVEL ADDS

Enterprise scale, governance and migration

Hands-on: Enterprise CI/CD platform capstone. Design a CloudBees deployment for 20 teams with sharded controllers, DR, upgrade policy, compliance evidence and a Jenkins migration plan.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Run highly available, autoscaling CloudBees CI, orchestrate releases with CD/RO, use feature flags and integrate the toolchain securely.
- 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

CloudBees 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: CloudBees CI architecture and first pipeline

Included from Foundation

1. CloudBees portfolio: CloudBees CI, CloudBees CD/RO, Feature Management and the CloudBees platform
2. CloudBees CI versus Jenkins: operations center, managed controllers and the CloudBees Assurance Program
3. Architecture: operations center, controllers and agents on traditional and modern (Kubernetes) platforms
4. Installation: CloudBees CI on Kubernetes with the Helm chart
5. Operations center tour: creating managed controllers and connecting client controllers
6. Agents: Kubernetes pod agents, static agents and shared cloud configurations
7. First pipeline: a Jenkinsfile in a multibranch pipeline from Git
8. Plugin baseline: CloudBees Assurance Program verified plugins and the Beekeeper upgrade assistant
9. Credentials and folders: storing secrets and organizing jobs
10. Users and authentication: security realms and SSO with SAML or OIDC

DAY 2 — Essential: Pipelines, RBAC, CasC and team setup

Included from Essential

11. Pipeline syntax: declarative stages, post, when, parallel and input
12. Shared libraries: vars and src structure, versioning and loading
13. Pipeline catalogs: reusable, parameterized pipeline definitions for standard builds
14. Role-based access control: roles, groups and folder-level permissions
15. Folders Plus: restricting agents, credentials and job types per team
16. Configuration as Code bundles: managing controller configuration from Git
17. Cross-team collaboration: event-based triggers between controllers
18. Plugin management: plugin catalogs, CAP updates and upgrade workflow
19. Build outputs: artifacts, test reports and notifications
20. Troubleshooting builds: Pipeline Explorer and build logs

DAY 3 — Intermediate: HA, scaling, CD/RO and integrations

Included from Intermediate

21. High availability: active-active controllers and failover behaviour
22. Hibernation: suspending idle managed controllers to save resources
23. Scaling agents: Kubernetes pod specs, resource requests and autoscaling node pools
24. CloudBees CD/RO concepts: applications, environments, pipelines and release orchestration
25. CD/RO deployment automation: processes, environment inventory and approvals
26. Feature Management: flags, targeting rules and progressive rollout
27. Secrets: credential providers for HashiCorp Vault and AWS Secrets Manager, sandbox and script approval
28. Integrations: GitHub, GitLab and Bitbucket, artifact repositories, Jira and SonarQube
29. Monitoring: Prometheus metrics, support bundles and health checks
30. Backup and restore: CloudBees Backup plugin, JENKINS_HOME contents and CasC recovery

DAYS 4-5 **Advanced: Enterprise scale, governance and migration** — New at this level

31. Enterprise scale: controller sizing, sharding teams across controllers and operations center limits
32. Upgrades: CAP release cadence, rolling controller upgrades and change windows
33. Governance and compliance: audit trails, policies and release evidence for audits
34. Disaster recovery: operations center and controller recovery plans
35. Security hardening: SSO, least-privilege RBAC, controller isolation and agent security
36. Performance tuning: JVM and garbage collection, build discarders and S3 artifact storage
37. Migration: moving from open-source Jenkins to CloudBees CI
38. Delivery insights: DORA metrics and analytics on the CloudBees platform
39. Platform engineering: golden paths with reusable pipelines and self-service controllers
40. Capstone: enterprise CI/CD platform design for many teams

PRACTICE

Hands-on labs

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

FOUNDATION

Run a pipeline on a managed controller

Install CloudBees CI on a Kubernetes cluster, create a managed controller and run a multibranch pipeline on Kubernetes pod agents.

ESSENTIAL

Standardize team pipelines

Publish a shared library and a pipeline catalog, onboard two teams into RBAC-protected folders and manage their controller with CasC.

INTERMEDIATE

Orchestrate a release with CD/RO

Enable HA and hibernation, integrate Vault secrets and model a multi-environment release in CD/RO with approvals and a feature flag.

ADVANCED

Enterprise CI/CD platform capstone

Design a CloudBees deployment for 20 teams with sharded controllers, DR, upgrade policy, compliance evidence and a Jenkins migration plan.

HOW YOU CAN LEARN

Formats and fees

The same agenda in three 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**
Self-paced video	1-year LMS access	All four CloudBees 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). 1:1 training is also available on demand.	**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 CLOUDBEES 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. Corporate and 1:1 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/cloudbees/

ENROL OR RESERVE A SEAT
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