DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Build And Release Advanced Training

Scale build and release for many teams with secure, governed pipelines, deployment strategies and DORA metrics, and lead the DevOps transition.

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	45 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/build-and-release/build-and-release-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 Build And Release course path, you will be able to:

1

Automate builds and packaging

Build, version and package Java and .NET software with Maven, Gradle, Ant and MSBuild and publish it to Nexus.

2

Run CI/CD pipelines

Implement Jenkins pipelines with tests, quality gates and configuration management for repeatable releases.

3

Govern releases at scale

Apply deployment strategies, supply chain controls and DORA metrics to release software safely across teams.

WHAT THE ADVANCED LEVEL ADDS

Scale, supply chain, governance and DevOps transition

Hands-on: End-to-end release platform capstone. Design and build a governed CI/CD flow for a Java and a .NET service with signed artifacts, canary deployment and DORA metric reporting.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Build Jenkins pipelines with tests and quality gates, configure servers with Chef and Puppet and manage releases across environments.
- 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

Build And Release Advanced Training agenda

45 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: SCM concepts, Linux, Git and builds

Included from Foundation

1. Build and release engineering: role, responsibilities and the problem it solves for development and operations
2. Software configuration management: identification, version control, change control, audits and its elements
3. Concepts: version management, build management, packaging management, release and deployment management
4. Linux essentials: user and admin commands, permissions, processes, services, cron and log files
5. Windows administration fundamentals: services, scheduled tasks, IIS basics and PowerShell for admins
6. Git fundamentals: clone, commit, branch, merge, tags, remotes and pull requests
7. Subversion (svn) fundamentals: checkout, commit, trunk/branches/tags layout and migrating to Git with git svn
8. Build automation concepts: compile, test, package, reproducible and incremental builds
9. Apache Maven fundamentals: pom.xml, lifecycle phases, dependencies, repositories and mvn clean verify
10. Bash shell scripting fundamentals: variables, loops, functions, exit codes and build helper scripts
11. First pipeline: commit, build, run unit tests and archive a versioned artifact

DAY 2 — Essential: Build tools, packaging and artifact repositories

Included from Essential

12. Branching strategies: trunk-based development, GitFlow, release branches and hotfix flow
13. Git advanced: rebase, cherry-pick, bisect, signed tags and monorepo versus polyrepo trade-offs
14. Apache Ant fundamentals: build.xml targets, tasks, properties and dependencies between targets
15. Apache Maven advanced: multi-module builds, profiles, dependencyManagement and the release plugin
16. Gradle fundamentals: build.gradle and Kotlin DSL, tasks, dependency configurations and the Gradle wrapper
17. MSBuild fundamentals: project files, targets, properties, dotnet build and dotnet pack
18. Versioning: semantic versioning, build numbers, build metadata and changelogs
19. Package management in Linux and Windows: yum/dnf, apt-get, RPM spec files and NuGet packages
20. Artifact repository tools: Sonatype Nexus hosted, proxy and group repositories; deploying and promoting artifacts
21. PowerShell scripting fundamentals: cmdlets, pipeline, modules and error handling for Windows builds
22. Ruby programming fundamentals: syntax, gems and Rake tasks used by build and configuration tools
23. Jira fundamentals: issues, workflows, fix versions and linking commits to release versions

DAY 3 — Intermediate: CI/CD pipelines, configuration management and releases

Included from Intermediate

24. Continuous integration tools: Jenkins fundamentals, jobs, agents, plugins and build triggers
25. Jenkins advanced: declarative Jenkinsfile, stages, parallel builds, shared libraries and credentials
26. Test automation in the pipeline: unit, integration and continuous testing with reports
27. Quality gates: static analysis and coverage thresholds that fail or mark builds unstable
28. Configuration management tools: Chef fundamentals with cookbooks, recipes and knife bootstrap
29. Puppet fundamentals: manifests, modules, the agent and server model and Hiera data
30. CI/CD concept and implementation: continuous integration, continuous delivery and continuous deployment

31. Delivery pipelines: the major steps to implement them, environment promotion, approvals and release notes
32. Incident management tools: Jira incident tickets, SLAs and linking incidents to releases
33. Secrets in builds: credential stores, vault integration and keeping secrets out of source control
34. Troubleshooting builds: reading logs, flaky tests, dependency conflicts and build caching

DAYS 4-5 **Advanced: Scale, supply chain, governance and DevOps transition** **New at this level**

35. Chef advanced: roles, environments, Policyfiles and data bags for release configuration
36. Build performance at scale: distributed agents, remote build caches, parallel Maven and Gradle builds
37. Containerized releases: Docker images as artifacts, registries, immutable tags and promotion by digest
38. Deployment strategies: blue-green, canary, rolling updates, feature flags and automated rollback
39. Software supply chain: SBOMs, artifact signing, provenance and dependency scanning
40. Release governance: change management, audit trails, segregation of duties and compliance evidence
41. Release metrics: deployment frequency, lead time, change failure rate and time to restore
42. Multi-platform releases: Java and .NET pipelines targeting Linux and Windows servers
43. Modernizing legacy builds: Ant to Maven or Gradle, SVN to Git, freestyle jobs to pipeline as code
44. DevOps organization and culture: implementing build and release practices and transitioning a project
45. Capstone: end-to-end CI/CD implementation from commit to production with rollback

PRACTICE

Hands-on labs

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

FOUNDATION **Automate a first Java build**

Clone a Java project, build and test it with Maven from a Bash script and archive a versioned JAR as the release artifact.

ESSENTIAL **Package and publish a release**

Build the same service with Maven and Gradle, produce an RPM and a NuGet package, and publish versioned artifacts to a Nexus repository.

INTERMEDIATE **Build a Jenkins delivery pipeline**

Create a Jenkinsfile that builds, tests and analyses an application, publishes to Nexus and deploys to a test server configured with Chef.

ADVANCED **End-to-end release platform capstone**

Design and build a governed CI/CD flow for a Java and a .NET service with signed artifacts, canary deployment and DORA metric 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 Build And Release 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 BUILD AND RELEASE 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/build-and-release/

ENROL OR RESERVE A SEAT
Build And Release Advanced Training

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