DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Sonatype Advanced Training

Block malicious packages at the edge and run Nexus and Lifecycle at enterprise scale with high availability and governance.

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	46 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/sonatype/sonatype-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 Sonatype course path, you will be able to:

1

Manage artifacts centrally

Run Nexus Repository as the single, secured source for Maven, npm, PyPI, NuGet and Docker artifacts.

2

Enforce open source policy

Use Sonatype Lifecycle to catch vulnerable and non-compliant components in every pipeline.

3

Secure the supply chain

Block malicious packages, produce SBOMs and operate the platform at enterprise scale.

WHAT THE ADVANCED LEVEL ADDS

Firewall, scale, high availability and governance

Hands-on: Protect builds with Repository Firewall. Enable Firewall quarantine on npm and PyPI proxies, attempt to pull a known-bad package and design an HA Nexus deployment on Kubernetes with PostgreSQL.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Use Sonatype Lifecycle to evaluate applications against security and licence policies and act on violations in CI.
- 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

Sonatype Advanced Training agenda

46 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: Software supply chain and Nexus Repository basics

Included from Foundation

1. Software supply chain basics: open source dependencies, transitive risk, malicious packages and SBOMs
2. Sonatype platform overview: Nexus Repository, Sonatype Lifecycle, Repository Firewall and SBOM Manager
3. Artifact repository concepts: hosted, proxy and group repositories and why builds need a single source
4. Nexus Repository editions: Community Edition and Pro and the features each provides
5. Installation: system requirements, Java runtime, the nexus.properties file and running as a service or in Docker
6. First login: admin password, anonymous access settings and the repository administration screens
7. Blob stores: file blob stores, S3 and Azure blob stores and assigning them to repositories
8. Maven repositories: proxying Maven Central, hosted releases and snapshots and a maven-public group
9. Client setup: Maven settings.xml mirrors and credentials pointing builds at Nexus
10. Browsing and searching components: assets, versions, metadata and download statistics

DAY 2 — Essential: Multi-format repositories, security and housekeeping

Included from Essential

11. npm repositories: proxying the npm registry, hosted packages, groups and .npmrc configuration
12. PyPI and NuGet repositories: pip.conf, NuGet.Config, API keys and publishing packages
13. Docker repositories: hosted and proxy registries, connectors and ports, docker login and pushing images
14. Helm, raw and Go repositories: storing charts, binaries and Go modules
15. Users, roles and privileges: content selectors, repository privileges and least-privilege roles
16. Authentication realms: LDAP, user tokens and the Docker Bearer Token realm
17. Cleanup policies: age and usage criteria, release type and attaching policies to repositories
18. Scheduled tasks: compact blob store, rebuild indexes, delete unused snapshots and cleanup service
19. Publishing from CI: deploying artifacts with Maven, npm publish, twine and docker push from pipelines
20. Routing rules and proxy settings: blocking requests, outbound proxies and remote authentication
21. Monitoring basics: system status, logs, metrics endpoints and support ZIP

DAY 3 — Intermediate: Sonatype Lifecycle policies and CI integration

Included from Intermediate

22. Sonatype Lifecycle architecture: the IQ Server, organisations, applications and policy inheritance
23. Policy model: security, licence, architecture and quality policies, threat levels and actions per stage
24. Application onboarding: creating applications, categories and assigning policies
25. Policy evaluation: Sonatype IQ CLI, Maven plugin and Jenkins Nexus Platform Plugin scans
26. Evaluation stages: develop, source, build, stage release, release and operate and what each controls
27. Reports: application composition, policy violations, component details and remediation suggestions
28. Waivers: requesting, approving and expiring waivers with clear justifications
29. Developer feedback: IDE plugins and automated pull requests from source control integration
30. Licence compliance: licence threat groups, obligations and attribution reports

31. SBOM generation: CycloneDX and SPDX outputs from scans
32. Continuous monitoring: alerts when new vulnerabilities affect released applications
33. Repository Health Check: finding risky components already stored in Nexus Repository

DAYS 4-5 **Advanced: Firewall, scale, high availability and governance** — New at this level

34. Repository Firewall: quarantine, audit mode, malicious package detection and release workflows
35. Namespace confusion protection: guarding internal package names against dependency confusion
36. Nexus at scale: PostgreSQL database, migrating from the embedded database and sizing guidance
37. High availability: Nexus Repository Pro HA deployments on Kubernetes with Helm and shared blob storage
38. Blob store strategy: S3 lifecycle rules, blob store groups, moving content and capacity planning
39. Backup and disaster recovery: database and blob store backups, restore drills and recovery objectives
40. Single sign-on: SAML for Nexus and Lifecycle and group mapping
41. Automation with REST APIs: managing repositories, policies and applications as code
42. Publishing to Maven Central: the Central Publisher Portal, namespaces, signing and validation
43. SBOM Manager: importing SBOMs, tracking third-party software and responding to new vulnerabilities
44. Governance: policy rollout strategy, exception handling, metrics and executive reporting
45. Upgrades: release notes, compatibility checks, staged rollouts and rollback planning
46. Capstone: a secured software supply chain from developer laptop to production release

PRACTICE

Hands-on labs

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

FOUNDATION

Run Nexus as your Maven proxy

Install Nexus Repository in Docker, create proxy, hosted and group Maven repositories and build a project that resolves and deploys through Nexus.

ESSENTIAL

Multi-format repository manager

Add npm, PyPI and Docker repositories with role-based access and cleanup policies and publish packages to them from a CI pipeline.

INTERMEDIATE

Policy gate in a CI pipeline

Onboard an application to Sonatype Lifecycle, scan it in Jenkins at the build stage, fail on critical violations and resolve them with upgrades or a time-bound waiver.

ADVANCED

Protect builds with Repository Firewall

Enable Firewall quarantine on npm and PyPI proxies, attempt to pull a known-bad package and design an HA Nexus deployment on Kubernetes with PostgreSQL.

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 Sonatype 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 SONATYPE 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/sonatype/

ENROL OR RESERVE A SEAT
Sonatype Advanced Training

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