DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Artifactory Advanced Training

Automate Artifactory with REST and CI, run it highly available and maintain, secure and scale an enterprise topology.

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	51 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/artifactory/artifactory-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 Artifactory course path, you will be able to:

1

Manage binaries universally

Host, proxy and organise Maven, Docker, npm and other packages in local, remote and virtual repositories.

2

Configure and secure Artifactory

Set up databases, filestores, reverse proxies, Docker registries and SSO-backed permissions.

3

Run Artifactory at scale

Automate with REST and CI and operate HA clusters with monitoring, backups and cleanup.

WHAT THE ADVANCED LEVEL ADDS

REST automation, HA, maintenance and enterprise topology

Hands-on: HA Artifactory with CI promotion. Build a two-node HA cluster, automate repository setup with REST, wire Jenkins build info and promotion, and schedule cleanup.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Install, upgrade and configure Artifactory storage, databases, security and Docker registries for a team platform.
- 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

Artifactory Advanced Training agenda

51 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: Overview, DevOps role, installation and first steps

Included from Foundation

1. Artifactory overview: universal binary repository manager, JFrog Platform and supported package types
2. Understanding the role of Artifactory in DevOps: single source of truth for binaries, promotion and traceability
3. Binary management concepts: artifacts versus source code, immutability, metadata and build info
4. Deployment options: JFrog SaaS versus self-hosted installations
5. System requirements: CPU, memory, storage, supported operating systems, databases and ports 8081 and 8082
6. Installing Artifactory in Linux: RPM, Debian and archive installs, system.yaml and the artifactory service
7. Service architecture: router, access, metadata, frontend and event microservices in Artifactory 7
8. Using Artifactory: first login, onboarding wizard, admin password change and base URL
9. Getting started: creating a first local repository and uploading a file through the UI
10. JFrog Platform UI tour: Application and Administration modules, Artifacts browser and Packages views
11. JFrog CLI basics: installing jf, jf config add and jf rt ping

DAY 2 — Essential: Repositories, authentication, Maven and artifact handling

Included from Essential

12. General information: artifact metadata, properties, checksums and the storage summary
13. Artifactory terminology: repositories, artifacts, builds, properties, users, groups and permissions
14. Artifactory repository types: local, remote, virtual and federated repositories and package types
15. Artifactory authentication: users, groups, access tokens, identity tokens and encrypted passwords
16. Deploying artifacts using Maven: settings.xml, distributionManagement and mvn deploy
17. Downloading artifacts using Maven: resolution through virtual repositories and snapshot and release policies
18. Browsing Artifactory: tree and simple browsers, artifact details and native browsing
19. Viewing packages: the Packages view, versions, dependencies and where a package is used
20. Searching for artifacts: quick, package, archive, property and checksum search and AQL basics
21. Manipulating artifacts: copy, move, delete, set properties and download folders
22. Using WebDAV: mounting repositories and deploying files with WebDAV clients
23. Updating your profile: password, access tokens, SSH keys and client credentials
24. Set Me Up: configuring npm, pip, NuGet, Gradle and Docker clients against Artifactory

DAY 3 — Intermediate: Installation options, configuration, security and Docker

Included from Intermediate

25. Installing on Windows and installing with Docker: Docker Compose and Helm chart deployments
26. Upgrading Artifactory: supported upgrade paths, backups before upgrading and version compatibility
27. Setting up a Docker registry: local, remote and virtual Docker repositories, subdomain and path methods
28. Configuring Artifactory: system.yaml, base URL, general settings and licences
29. Configuring the database: PostgreSQL, MySQL, Oracle and SQL Server and connection pool settings
30. Configuring the filestore: file system, S3, Google Cloud Storage and Azure Blob in binarystore.xml

31. Checksum-based storage: SHA-based deduplication and binaries garbage collection
32. Configuring repositories: include and exclude patterns, repository layouts and snapshot retention
33. Configuring security: permission targets, groups, LDAP, SAML and OAuth single sign-on
34. Configuring a reverse proxy: Nginx or Apache in front, TLS and Docker subdomain routing
35. Mail server configuration and IPv6 support: SMTP settings, notifications and dual-stack networking
36. Configuration files and the YAML configuration file: system.yaml, logback.xml and repository YAML via REST
37. Exposing Maven indexes: index calculation for IDE search and scheduling
38. Clustering Artifactory: cluster basics, node roles and licence requirements

DAYS 4-5 **Advanced: REST automation, HA, maintenance and enterprise topology** **New at this level**

39. Artifactory REST API: repositories, artifacts, builds, security and AQL queries from scripts and JFrog CLI
40. System monitoring and maintenance: system information, Artifactory log files and JMX MBeans
41. Regular maintenance operations: garbage collection, cleanup, managing backups and importing and exporting
42. Managing disk space usage: cleanup policies, storage quotas and retention rules
43. Artifactory high availability: HA installation and setup with a load balancer and shared storage
44. Managing the HA cluster: adding nodes, rolling upgrades, migrating data from NFS and troubleshooting HA
45. Build integration: Jenkins, GitHub Actions and JFrog CLI build info, promotion and traceability
46. Distribution repository: release bundles, plus deploying snapshots to oss.jfrog.org (retired) and alternatives
47. Log analytics: streaming logs to Splunk, Elastic or Datadog and JFrog log analytics integrations
48. Editions and topology: Artifactory Pro, Enterprise Plus, Artifactory Edge nodes and Access Federation
49. Supply chain security: JFrog Xray scanning, curated remote repositories and signed release bundles
50. Troubleshooting: common resolution errors, support bundles and debugging slow requests
51. Capstone: highly available, CI-integrated Artifactory with automated cleanup and promotion

PRACTICE

Hands-on labs

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

FOUNDATION

Install Artifactory and upload a binary

Install Artifactory on a Linux VM, complete onboarding, create a local repository and upload and download a file with the UI and JFrog CLI.

ESSENTIAL

Maven build backed by Artifactory

Create local, remote and virtual Maven repositories, deploy a build with mvn deploy, then search, tag and promote the artifacts.

INTERMEDIATE

Production-style Artifactory with Docker

Run Artifactory with PostgreSQL and S3-style storage behind Nginx TLS, connect LDAP and serve a Docker registry for a team.

ADVANCED

HA Artifactory with CI promotion

Build a two-node HA cluster, automate repository setup with REST, wire Jenkins build info and promotion, and schedule cleanup.

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 Artifactory 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 ARTIFACTORY 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/artifactory/

ENROL OR RESERVE A SEAT
Artifactory Advanced Training

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