DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Black Duck Advanced Training

Run Black Duck at enterprise scale and build a governed open source and software supply chain program around it.

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	43 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/blackduck/black-duck-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 Black Duck course path, you will be able to:

1

Identify open source risk

Scan applications with Black Duck to find components, vulnerabilities and license obligations.

2

Remediate and enforce policy

Triage findings, apply policies and gate CI/CD pipelines on security and license rules.

3

Govern the software supply chain

Run Black Duck at scale and deliver SBOMs, audits and compliance reporting.

WHAT THE ADVANCED LEVEL ADDS

Scale, governance, supply chain and compliance

Hands-on: Enterprise open source risk program. Design project groups, policies and CI gates for several teams, automate SBOM delivery and build an executive risk dashboard.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Integrate Black Duck into CI/CD and developer tools, automate with REST APIs and administer users and access.
- 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

Black Duck Advanced Training agenda

43 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: Open source risk, SCA concepts and first scan

Included from Foundation

1. Open source risk: security vulnerabilities, license compliance and operational risk in dependencies
2. Software composition analysis: how SCA identifies components, versions and known vulnerabilities
3. Software bill of materials: what an SBOM is and the SPDX and CycloneDX formats
4. Black Duck SCA overview: KnowledgeBase, Black Duck Security Advisories and supported ecosystems
5. Architecture: Black Duck server, PostgreSQL database, job runners and the Detect scanning client
6. Deployment options: hosted service versus self-managed installs on Docker or Kubernetes
7. UI tour: dashboard, projects, versions, Bill of Materials and component details
8. Scan types: package manager detectors, signature scanning, binary scanning and snippet matching
9. Black Duck Detect: running the Detect script, required properties and API tokens
10. First scan: scanning a Maven or npm project and reviewing the resulting BOM

DAY 2 — Essential: BOM review, vulnerabilities, licenses and policies

Included from Essential

11. Projects and versions: naming, phases, distribution settings and project ownership
12. BOM review: components, origins, match types and confirming or ignoring components
13. Vulnerability management: CVE versus BDSA records, CVSS scores and exploitability
14. Remediation workflow: remediation statuses, upgrade guidance and comments
15. License management: license families, license terms, obligations and conflicts
16. Policy management: policy rules for severity, license, component age and usage
17. Component adjustments: manual additions, version overrides and usage settings
18. Detect configuration: properties files, environment variables, excluded directories and detector options
19. Snippet and string search scanning: when to enable and how to review results
20. Reports: SBOM export in SPDX or CycloneDX, notices reports and vulnerability reports
21. Notifications: subscribing to project changes and new vulnerabilities

DAY 3 — Intermediate: CI/CD integration, automation and administration

Included from Intermediate

22. Scanning modes: rapid scans versus full intelligent scans and when to use each
23. Jenkins integration: Detect in pipelines, credentials and failing builds on policy violations
24. GitHub Actions, GitLab CI and Azure DevOps: running Detect and publishing results
25. Container scanning: Docker image inspection and layer-aware results
26. Developer feedback: Code Sight IDE plugin for early findings
27. Black Duck Alert: routing notifications to Jira, Slack, Microsoft Teams and email
28. REST API: authentication, project and BOM endpoints and automating reports
29. User administration: users, groups, roles and project-level access
30. Authentication: SAML single sign-on and LDAP integration

31. Troubleshooting Detect: logs, diagnostic mode, detector failures and network issues
32. Scan hygiene: duplicate scans, code locations and cleaning up stale scans

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

33. Enterprise deployment: Kubernetes with Helm, sizing, external PostgreSQL and scan capacity planning
34. High availability and recovery: backups, database maintenance and upgrade planning
35. Performance tuning: job runner scaling, scan concurrency and data retention
36. Governance at scale: project groups, policy hierarchies and ownership models
37. Open source program office: intake, approval and exception processes
38. Regulatory and customer requirements: SBOM delivery, US Executive Order 14028 and the EU Cyber Resilience Act
39. Supply chain security: provenance, SLSA levels and signed artifacts alongside SCA
40. Combining testing types: SCA with SAST such as Coverity and dynamic testing for full coverage
41. Metrics and reporting: mean time to remediate, policy violation trends and executive dashboards
42. Audits and due diligence: preparing open source audits for releases and acquisitions
43. Capstone: enterprise open source risk program with automated gates and reporting

PRACTICE

Hands-on labs

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

FOUNDATION

Scan your first project

Generate an API token, run Black Duck Detect against an open source Java or Node.js project and review its BOM and risks.

ESSENTIAL

Triage and report a project

Define vulnerability and license policies, triage a scanned project's BOM, remediate key findings and export an SBOM and notices file.

INTERMEDIATE

Policy gate in CI/CD

Add Black Duck Detect to a pipeline that fails on critical policy violations, sends alerts to Jira and reports via the REST API.

ADVANCED

Enterprise open source risk program

Design project groups, policies and CI gates for several teams, automate SBOM delivery and build an executive risk dashboard.

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 Black Duck 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 BLACK DUCK 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/blackduck/

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