DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Jacoco Foundation Training

Understand how JaCoCo measures Java code coverage, install it on Linux build hosts and produce your first coverage report.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	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 · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	12 topics · Foundation
Hands-on labs	1 lab
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/jacoco/jacoco-foundation-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 Jacoco course path, you will be able to:

1

Measure Java test coverage

Attach JaCoCo to any JVM, local, containerised or remote, and produce accurate coverage reports.

2

Automate coverage quality gates

Wire JaCoCo into Maven, Gradle, Ant, Jenkins and SonarQube with enforced, meaningful thresholds.

3

Scale coverage across services

Merge, aggregate and govern coverage data for multi-module builds and deployed applications.

WHAT THE FOUNDATION LEVEL ADDS

Coverage concepts, JVM internals and installation

Hands-on: Your first JaCoCo coverage report. Set up JaCoCo on an Ubuntu or CentOS host, run the unit tests of a small Java project with the agent attached and read the HTML report to find untested branches.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Jacoco and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Jacoco on real work.
- Leads and managers who want first-hand familiarity with Jacoco.

BEFORE YOU START

- No prior Jacoco experience is needed.
- 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

Jacoco Foundation Training agenda

12 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: Coverage concepts, JVM internals and installation

New at this level

1. Code coverage concepts: what coverage measures, what it cannot prove, and where it fits in a Java CI pipeline
2. The rise of the virtual machine: the JVM, class files and bytecode, and why JaCoCo instruments bytecode
3. Containers vs VMs for Java test runs: what containers are and how a JVM behaves inside them
4. Under the hood: container isolation for the JVM, and JaCoCo probes that record executed bytecode
5. JaCoCo overview: origins with EclEmma, supported Java versions, agent, command line and report components
6. Coverage counters: instructions, branches, cyclomatic complexity, lines, methods and classes
7. The future of JaCoCo and containers: support for new Java releases, Kotlin and containerised builds
8. Installing and updating JaCoCo: latest stable 0.8.x distribution, jacocoagent.jar, jacococli.jar, plugin coordinates
9. Installing JaCoCo on Ubuntu: OpenJDK, Maven and Ant setup, unpacking the distribution and verifying the CLI
10. Installing JaCoCo on CentOS and RHEL-family hosts: JDK via dnf, JAVA_HOME and build tool setup
11. First coverage report: run JUnit 5 tests with the agent attached and generate an HTML report
12. Reading the HTML report: package, class and source views, red, yellow and green line and branch markers

PRACTICE

Hands-on labs

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

FOUNDATION

Your first JaCoCo coverage report

Set up JaCoCo on an Ubuntu or CentOS host, run the unit tests of a small Java project with the agent attached and read the HTML report to find untested branches.

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 Jacoco levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day 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 JACOCO 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/jacoco/

ENROL OR RESERVE A SEAT
Jacoco Foundation Training

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Next step after this level: Jacoco Essential Training - Configure the JaCoCo agent for daily use, collect coverage from containers and over the network, and publish the right report formats.