DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

Jmeter Intermediate Training

Extend JMeter with Groovy, run distributed and containerised load, gate builds in CI and watch results live in Grafana.

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

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	36 topics · Foundation to Intermediate
Hands-on labs	3 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/jmeter/jmeter-intermediate-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 Jmeter course path, you will be able to:

1

Build realistic JMeter scripts

Create correlated, data-driven test plans that model real user and API behaviour.

2

Run load at scale

Execute distributed, containerised and CI-driven JMeter tests with live monitoring.

3

Turn results into decisions

Analyse percentiles, find bottlenecks and report capacity and regression risks clearly.

WHAT THE INTERMEDIATE LEVEL ADDS

Groovy scripting, distributed runs, CI and monitoring

Hands-on: Run distributed load from CI. Run a JMeter test across containerised load generators from a CI pipeline, stream results to InfluxDB and Grafana and fail the build on SLA breaches.

WHO SHOULD ATTEND

- Regular Jmeter users who want to automate, integrate and manage it at a deeper level.
- Specialists who support Jmeter for colleagues or customers.
- Leads preparing Jmeter for wider use across projects.

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Build realistic, data-driven JMeter scripts with correlation, assertions, timers and controllers, and run them in CLI mode with HTML reports.
- 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 INTERMEDIATE

Jmeter Intermediate Training agenda

36 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: Performance testing basics and first JMeter test

Included from Foundation

1. Performance testing concepts: load, stress, spike, soak and scalability tests and when to use each
2. Performance metrics: response time, throughput, percentiles such as p90, p95 and p99, error rate and concurrency
3. Apache JMeter overview: open-source Java tool, supported protocols HTTP, JDBC, JMS, FTP, LDAP and TCP, GUI and CLI modes
4. Installing JMeter: JDK prerequisite, binary download, jmeter.properties, user.properties and the Plugins Manager
5. Test plan structure: thread groups, request elements, listeners, config elements, assertions, timers, scope and order
6. Thread group settings: number of threads, ramp-up period, loop count, duration and startup delay
7. HTTP Request element: method, path, parameters, body data, HTTP Request Defaults and HTTP Header Manager
8. Browser behaviour: HTTP Cookie Manager and HTTP Cache Manager to mimic real users
9. Recording a script: HTTP(S) Test Script Recorder, browser proxy settings and the JMeter CA certificate
10. Listeners for debugging: View Results Tree, Summary Report and Aggregate Report
11. First load test: run a small test against a demo web app and interpret response times and errors

DAY 2 — Essential: Correlation, data, assertions, timers and CLI reports

Included from Essential

12. Correlation: extracting dynamic values with Regular Expression, JSON, CSS Selector and Boundary extractors
13. Parameterisation: CSV Data Set Config, user-defined variables and sharing modes across threads
14. JMeter functions: __Random, __time, __UUID, __P, __counter and __groovy
15. Assertions: Response, JSON, Duration and Size assertions and their overhead
16. Timers and think time: Constant, Uniform Random, Gaussian Random, Constant Throughput and Precise Throughput timers
17. Logic controllers: Transaction, Loop, If, While, Once Only, Simple and Throughput controllers
18. Authentication flows: HTTP Authorization Manager, form logins, session cookies and bearer tokens
19. REST API testing: JSON request bodies, headers, JSON Extractor and JSON assertions
20. Database testing: JDBC Connection Configuration and JDBC Request elements
21. CLI mode: jmeter -n -t -l -e -o, .jtl result files and overriding properties with -J
22. HTML dashboard report: APDEX, response times over time, percentiles, throughput and error analysis
23. Script organisation: test fragments, Include and Module controllers, .jmx files in version control

DAY 3 — Intermediate: Groovy scripting, distributed runs, CI and monitoring

New at this level

24. JSR223 scripting with Groovy: pre and post processors, vars, props, ctx and prev objects
25. Distributed testing: controller and remote jmeter-server nodes, RMI and SSL keystore setup, result collection
26. Containerised load generators: JMeter in Docker images and Kubernetes jobs for scaling out
27. CI/CD integration: JMeter in Jenkins, GitHub Actions or GitLab CI, jmeter-maven-plugin and failing builds on thresholds

28. Real-time monitoring: Backend Listener to InfluxDB with Grafana dashboards
29. Server-side monitoring: correlating load with Prometheus metrics, APM traces and the PerfMon plugin
30. Protocols beyond HTTP: JMS, FTP, LDAP, TCP and SMTP requests, WebSocket and gRPC through plugins
31. Load shaping plugins: Ultimate Thread Group, Concurrency Thread Group and Throughput Shaping Timer
32. Workload modelling: open vs closed models, arrival rates, Little's Law and deriving load from production analytics
33. Test data management: generating, partitioning and cleaning data for distributed runs
34. Security in tests: storing credentials outside scripts, TLS client certificates and keystore configuration
35. Troubleshooting scripts: Debug PostProcessor, View Results Tree, jmeter.log and common correlation and encoding errors
36. Load generator tuning: JVM heap settings, disabling heavy listeners and saving results as CSV

PRACTICE

Hands-on labs

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

FOUNDATION

Record and run a first test

Record a browsing journey with the HTTP(S) Test Script Recorder, clean it into a test plan with a thread group and run a small load test with listeners.

ESSENTIAL

Build a data-driven API test

Script a login-to-checkout API journey with CSV test data, correlation, assertions and timers, then run it in CLI mode and publish the HTML dashboard.

INTERMEDIATE

Run distributed load from CI

Run a JMeter test across containerised load generators from a CI pipeline, stream results to InfluxDB and Grafana and fail the build on SLA breaches.

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 Jmeter levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	3 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 JMETER 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/jmeter/

ENROL OR RESERVE A SEAT
Jmeter Intermediate Training

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Next step after this level: Jmeter Advanced Training - Plan and run enterprise performance programmes with JMeter, generate large-scale load, find bottlenecks and report capacity with confidence.