DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

New Relic Advanced Training

Run full-stack observability with New Relic across infrastructure, APM, logs, synthetics, browser, network and security, driven by NRQL.

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	54 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/newrelic/newrelic-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 New Relic course path, you will be able to:

1

Instrument applications with New Relic

Install and configure New Relic agents and read APM data to understand application performance.

2

Diagnose and alert effectively

Find bottlenecks with traces, profiling and error analytics and alert teams before users notice.

3

Deliver full-stack observability

Combine infrastructure, logs, synthetics, browser, security and NRQL dashboards into one observability practice.

WHAT THE ADVANCED LEVEL ADDS

Logs, synthetics, browser, NRQL and AI alerting

Hands-on: Full-stack observability capstone. Instrument an app end to end with APM, logs, synthetics and browser monitoring, build NRQL dashboards and AI-correlated alerts into ITSM.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Extend APM with custom data, cross-application tracing and reports, and monitor hosts, web servers, databases and containers.
- 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

New Relic Advanced Training agenda

54 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: APM and observability concepts, agent installation

Included from Foundation

1. Introduction and overview of New Relic: what is application performance management and why it is needed
2. What is application performance: response time, throughput, errors and user satisfaction
3. APM benefits and selection criteria: why New Relic for APM, what New Relic APM is and how it works
4. Observability fundamentals: definitions, importance, metrics, logs and traces and observability versus monitoring
5. New Relic architecture and terminology: agents, entities, accounts, ingest and the NRDB telemetry database
6. Understanding transactions and transaction traces: web and non-web transactions and trace segments
7. Register a New Relic account: free tier sign-up, license and user keys and guided install
8. Installing a Java agent to monitor your Java application: javaagent flag and first data
9. PHP and .NET agents: installing a PHP agent and the New Relic agent for .NET Framework applications
10. Docker agent: installing a Docker-based agent to monitor your Docker-based application
11. Configuration settings: newrelic.yml and agent settings such as app name, logging and environment variables
12. Monitoring using New Relic: view your applications index, the APM overview page and agent-specific UI
13. First look at data: New Relic default graphs for throughput, response time and error rate

DAY 2 — Essential: APM dashboards, diagnostics and alerting

Included from Essential

14. Working with the New Relic dashboard: understanding transactions, the transactions page and the transaction map
15. Understanding Apdex: calculating and setting the Apdex threshold for each service
16. Throughput and protection: understanding throughput and the agent circuit breaker
17. Understanding and configuring service maps: upstream and downstream dependencies
18. Understanding and configuring JVM monitoring: heap, garbage collection and thread metrics
19. Understanding error analytics and violations: errors inbox, stack traces and error grouping
20. Databases and slow queries: viewing slow query details and the external services page
21. New Relic APM data in infrastructure: linking application entities to their hosts
22. Understanding and configuring deployments: change tracking and assessing the quality of application deployments
23. Diagnostics: thread profiler, deep dive into transaction traces and profiling with New Relic
24. Creating and managing alerts: policies, conditions, thresholds and notification workflows
25. Incidents: working with incidents, acknowledging and closing them and sending New Relic alerts to Slack
26. Team workflow: workloads, tags and shared dashboards for application teams

DAY 3 — Intermediate: Advanced APM, reports and infrastructure monitoring

Included from Intermediate

27. Deep dive into New Relic advanced: transaction alerts and setting up and configuring New Relic alerts
28. Cross application traces: configure and troubleshoot them and move to distributed tracing across services
29. New Relic service level agreements: SLA reporting and today's service levels with SLIs and SLOs
30. Troubleshooting New Relic: agent logs, missing data and the New Relic diagnostics tool

31. Agent configuration deep dive: X-Ray sessions (legacy), transaction naming, ignore rules and sampling
32. Adding custom data with the APM agent: custom attributes, custom events and custom metrics
33. Extending New Relic using plugins: legacy plugins and today's on-host integrations and quickstarts
34. Performance fixes: finding and fixing application issues with APM and setting up database monitoring
35. Performance reports: availability, background jobs analysis, capacity analysis, database analysis and host usage
36. More performance reports: scalability analysis, web transactions analysis and the weekly performance report
37. Introduction to New Relic Infrastructure: features, capabilities and agent installation and configuration basics
38. Monitoring Linux and Windows systems: infrastructure agents and key metrics and events for system health
39. Web servers and database monitoring: Apache, Tomcat and MySQL integrations and key performance indicators
40. Container and orchestration monitoring: Docker containers and Kubernetes cluster and application monitoring

DAYS 4-5 **Advanced: Logs, synthetics, browser, NRQL and AI alerting** **New at this level**

41. Observability in depth: metrics collection, logging patterns, distributed tracing, correlation and an observability roadmap
42. Cloud-native observability: Kubernetes, DevOps and Agile adoption, benchmarking, data security and future APM trends
43. AWS infrastructure monitoring: connecting AWS, EC2 and RDS metrics, custom infrastructure metrics and scalable alerting
44. Advanced APM: data flow, custom instrumentation, APIs for custom events and managing agent overhead
45. APM performance analysis: diagnosing common bottlenecks with traces, thread profiler and error analytics, plus optimisation case studies
46. Log monitoring: ingestion and management at scale, log data sources and logs in context with APM and infrastructure
47. Log parsing and enrichment: custom parsing rules, log-based alerts, noise control, retention and compliance
48. Synthetic monitoring: scripted browsers and API tests, scheduling, locations, maintenance and outage detection
49. Browser monitoring: real user monitoring, SPA support, custom instrumentation and Core Web Vitals improvements
50. Network monitoring: network performance metrics, endpoint testing with synthetics and degradation alerts
51. Vulnerability management: security monitoring, integrating assessment tools, prioritising and alerting on new vulnerabilities
52. NRQL mastery: advanced functions, time series, cohorts and funnels, query performance and NRQL alert conditions
53. Dashboards, reports and AI alerting: custom visualisations, automated reports, anomaly detection and incident correlation
54. Capstone: full-stack observability wired into CI/CD and ITSM through New Relic APIs, with Q&A and wrap-up

PRACTICE

Hands-on labs

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

FOUNDATION

Instrument your first applications

Create a New Relic account, install the Java and PHP agents on demo apps and confirm transactions in the APM overview page.

ESSENTIAL

Diagnose a slow application

Use Apdex, transaction traces, slow queries and error analytics to find a bottleneck, then alert on it in Slack after a deployment.

INTERMEDIATE

Full-stack APM and infrastructure

Add custom events and distributed tracing to two services and monitor their Linux hosts, Tomcat, MySQL and Kubernetes cluster.

ADVANCED

Full-stack observability capstone

Instrument an app end to end with APM, logs, synthetics and browser monitoring, build NRQL dashboards and AI-correlated alerts into ITSM.

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 New Relic 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 NEW RELIC 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/newrelic/

ENROL OR RESERVE A SEAT
New Relic Advanced Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com