DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

Observability Essential Training

Collect, store and query logs, metrics and traces, build useful dashboards and route alerts with sensible thresholds and escalation.

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

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	22 topics · Foundation to Essential
Hands-on labs	2 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/observability/observability-essential-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 Observability course path, you will be able to:

1

Understand observability signals

Explain logs, metrics, traces and alerts and when to use each to answer questions.

2

Build observability pipelines

Instrument services with OpenTelemetry and run Prometheus, Grafana, Loki and Tempo stacks.

3

Run observability at scale

Use SLOs, cost controls and standards to operate observability across an organisation.

WHAT THE ESSENTIAL LEVEL ADDS

Collection, storage, querying, dashboards and alert routing

Hands-on: Full-signal view of a microservice. Instrument a small microservice with OpenTelemetry, send metrics, logs and traces to Prometheus, Loki and Tempo, and route a latency alert to a chat channel.

WHO SHOULD ATTEND

- Learners who know the basics of Observability and want to use it confidently every day.
- Professionals taking over Observability work on a live project.
- Teams agreeing on a common way of working with Observability.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Explain what observability is and why it matters, describe logs, metrics, traces and alerts, and run a first Prometheus and Grafana stack.
- 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 ESSENTIAL

Observability Essential Training agenda

22 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: Observability concepts, signals and tool landscape

Included from Foundation

1. Introduction to observability: what it is, why it is important and how it differs from traditional monitoring
2. Key concepts and terminology: telemetry, signals, instrumentation, cardinality, golden signals, RED and USE methods
3. Logging overview and types of logs: application, system, access and audit logs, structured versus unstructured
4. Metrics overview and types of metrics: counters, gauges, histograms and summaries
5. Tracing overview and types of traces: spans, trace context propagation and distributed traces
6. Alerting overview and types of alerts: symptom-based versus cause-based, threshold and anomaly alerts
7. Telemetry pipeline architecture: agents, collectors, storage backends and visualisation layers
8. OpenTelemetry overview: API, SDKs, Collector, OTLP protocol and semantic conventions
9. Popular observability tools and frameworks: Prometheus, Grafana, Loki, Tempo, Jaeger, Elastic, OpenSearch and SaaS platforms
10. First stack: Prometheus, node_exporter and Grafana with Docker Compose and a first dashboard

DAY 2 — Essential: Collection, storage, querying, dashboards and alert routing

New at this level

11. Log collection and aggregation: Fluent Bit, Vector or Grafana Alloy shipping logs to Loki or Elasticsearch
12. Log analysis and visualization: LogQL queries in Grafana and Kibana searches for troubleshooting
13. Metric collection and storage: Prometheus scraping, exporters, service discovery, retention and remote write
14. Metric analysis and visualization: PromQL rate, sum by and histogram_quantile in Grafana panels
15. Trace collection and storage: OpenTelemetry auto-instrumentation, Collector pipelines, Jaeger or Grafana Tempo
16. Trace analysis and visualization: waterfall views, critical path, service maps and trace-to-log links
17. Alerting rules and thresholds: Prometheus alerting rules, for durations and Grafana alerting
18. Alert notification and escalation: Alertmanager routes, grouping, inhibition, silences and on-call escalation
19. Instrumenting an application: custom metrics with client libraries and structured logs carrying trace IDs
20. Kubernetes observability basics: kube-prometheus-stack, kube-state-metrics and cAdvisor
21. Dashboard design: golden signals layouts, variables and avoiding dashboard sprawl
22. Signal correlation: exemplars linking metrics to traces and logs to traces

PRACTICE

Hands-on labs

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

FOUNDATION

Stand up a first observability stack

Run Prometheus, node_exporter and Grafana with Docker Compose, build a host dashboard and identify which questions logs and traces would answer next.

ESSENTIAL

Full-signal view of a microservice

Instrument a small microservice with OpenTelemetry, send metrics, logs and traces to Prometheus, Loki and Tempo, and route a latency alert to a chat channel.

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 Observability levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	2 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 OBSERVABILITY 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/observability/

ENROL OR RESERVE A SEAT
Observability Essential Training

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Next step after this level: Observability Intermediate Training - Define SLOs with burn-rate alerts, tune OpenTelemetry pipelines and sampling, control cardinality and manage dashboards and alerts as code.