DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Honeycomb Advanced Training

Run observability as an engineering practice: scale telemetry pipelines, control cost, govern data and drive incident response.

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	45 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/honeycomb/honeycomb-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 Honeycomb course path, you will be able to:

1

Instrument with OpenTelemetry

Send rich traces, logs and metrics to Honeycomb using OpenTelemetry SDKs and the Collector.

2

Debug production quickly

Use queries, heatmaps, BubbleUp and traces to find the cause of real production issues.

3

Run observability at scale

Apply SLOs, sampling, governance and cost controls to observability across many services.

WHAT THE ADVANCED LEVEL ADDS

Observability practice, scale, cost and governance

Hands-on: Observability platform for microservices. Design instrumentation standards, a scaled Collector and Refinery pipeline with PII scrubbing and SLOs, then run an incident drill end to end.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Define SLOs with burn alerts, run OpenTelemetry Collector pipelines and Kubernetes telemetry, and control volume with sampling.
- 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

Honeycomb Advanced Training agenda

45 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, events, traces and first data

Included from Foundation

1. Observability concepts: monitoring versus observability and asking new questions of production
2. Wide events and high cardinality: why rich, structured events beat pre-aggregated metrics
3. Distributed tracing basics: traces, spans, parent and child relationships and attributes
4. Honeycomb overview: teams, environments, datasets and how data is stored and queried
5. Getting started: creating an account, environments and ingest API keys
6. OpenTelemetry fundamentals: SDKs, API, exporters, OTLP and semantic conventions
7. First instrumentation: automatic instrumentation for a Node.js, Python, Java or Go service
8. Sending data over OTLP: endpoints, headers and verifying events arrive
9. Query builder basics: VISUALIZE, WHERE, GROUP BY and time ranges
10. Trace view: waterfall, span details and finding slow spans
11. Service map: viewing dependencies between instrumented services

DAY 2 — Essential: Querying, BubbleUp, boards, triggers and custom instrumentation

Included from Essential

12. Advanced queries: HEATMAP, P95 and P99, COUNT_DISTINCT, ORDER BY and HAVING
13. Heatmaps: reading latency distributions and selecting outliers
14. BubbleUp: comparing selected events against the baseline to find what is different
15. Custom instrumentation: manual spans, span attributes, events and span links
16. Context propagation: W3C trace context across HTTP, messaging and async work
17. Derived columns (calculated fields): expressions for categorising and computing values
18. Structured logs: sending logs and correlating them with traces
19. Boards: saving queries, organising boards and sharing with the team
20. Triggers: query-based alerts, thresholds and notification recipients such as Slack and PagerDuty
21. Markers: deployment markers and correlating changes with behaviour
22. Query history and collaboration: permalinks, query history and team investigations

DAY 3 — Intermediate: SLOs, Collector pipelines, Kubernetes and sampling

Included from Intermediate

23. Service level objectives: SLIs as derived columns, SLO targets and error budgets
24. Burn alerts: exhaustion time and budget rate alerts and responding to them
25. OpenTelemetry Collector: receivers, processors, exporters and pipeline configuration
26. Kubernetes observability: Collector as DaemonSet and gateway, k8s attributes and cluster metrics
27. Metrics in Honeycomb: sending OpenTelemetry metrics and correlating metrics with traces
28. Sampling concepts: head versus tail sampling and how sampling rates are weighted in queries
29. Refinery: tail-based sampling rules, dynamic sampling and keeping errors and slow traces
30. Frontend observability: browser instrumentation and Core Web Vitals

31. Automation: Honeycomb API, Terraform provider for boards, triggers and SLOs
32. Team access: roles, environments per stage and API key management
33. Troubleshooting instrumentation: missing spans, broken propagation and attribute limits

DAYS 4-5 **Advanced: Observability practice, scale, cost and governance** — New at this level

34. Observability-driven development: instrumenting as you code and testing in production safely
35. Incident response with Honeycomb: from alert to BubbleUp to root cause and post-incident review
36. Instrumentation standards: attribute naming, semantic conventions and shared libraries across teams
37. Telemetry pipeline at scale: Collector gateway tiers, load balancing and Refinery clustering
38. Cost and volume management: event volume, sampling strategy and dropping low-value data
39. Data governance: PII scrubbing in the Collector, attribute allowlists and retention
40. Security: environment isolation, key rotation and secure data handling options
41. SLO programme: choosing user-centred SLIs, reviewing error budgets and release decisions
42. Integrations: CI/CD markers, chat-ops alerts and on-call tooling
43. Migration: moving from proprietary APM agents or Beelines to OpenTelemetry
44. Measuring adoption: query activity, coverage of instrumented services and feedback loops
45. Capstone: end-to-end observability for a microservices platform with SLOs, sampling and runbooks

PRACTICE

Hands-on labs

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

FOUNDATION **Instrument a service and explore traces**
Add OpenTelemetry auto-instrumentation to a small web service, send traces to Honeycomb and find the slowest requests with the query builder.

ESSENTIAL **Debug a latency regression**
Add custom spans and attributes to a multi-service app, use heatmaps and BubbleUp to find the cause of a slowdown and add a trigger and board.

INTERMEDIATE **SLOs and sampling in Kubernetes**
Deploy the OpenTelemetry Collector on Kubernetes, define an SLO with burn alerts and add Refinery tail sampling that keeps every error trace.

ADVANCED **Observability platform for microservices**
Design instrumentation standards, a scaled Collector and Refinery pipeline with PII scrubbing and SLOs, then run an incident drill end to end.

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 Honeycomb 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 HONEYCOMB 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/honeycomb/

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Honeycomb Advanced Training

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