DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Elastic Logstash Kibana Full Stack ELK Advanced Training

Design, tune, secure and upgrade a multi-tier, highly available Elastic Stack platform for logs, metrics, traces and security data.

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	49 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/elastic/elastic-logstash-kibana-full-stake-elk-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 Elastic Logstash Kibana Full Stack ELK course path, you will be able to:

1

Collect every signal

Gather logs, metrics, traces and uptime data with Beats, Elastic Agent, Fleet, Logstash and APM.

2

Observe and alert

Use Kibana Observability, dashboards, SLOs and anomaly detection to find and act on problems early.

3

Run the stack in production

Scale, secure, govern and upgrade a highly available Elastic Stack on servers or Kubernetes.

WHAT THE ADVANCED LEVEL ADDS

Production architecture, scale, HA and governance

Hands-on: Full-stack observability platform capstone. Build an ECK-managed, tiered Elastic Stack collecting logs, metrics, traces and uptime for a microservices app, with ILM, SSO, SLOs and cross-cluster search.

WHO SHOULD ATTEND

- Experienced Elastic Logstash Kibana Full Stack ELK practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Elastic Logstash Kibana Full Stack ELK solutions.
- Teams making Elastic Logstash Kibana Full Stack ELK an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Trace applications with Elastic APM and OpenTelemetry, observe Kubernetes, detect anomalies and secure and troubleshoot the 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 ADVANCED

Elastic Logstash Kibana Full Stack ELK Advanced Training agenda

49 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: Full Elastic Stack concepts, installation and Beats

Included from Foundation

1. Elastic Stack overview: Elasticsearch, Logstash, Kibana, Beats, Elastic Agent and integrations and where each fits
2. Observability signals: logs, metrics, traces and uptime data and how the full stack collects each
3. Deployment options: self-managed packages, Docker Compose, Elastic Cloud and Serverless projects
4. Installing Elasticsearch: deb and rpm packages, security auto-configuration, elasticsearch.yml essentials
5. Installing Kibana: kibana.yml, enrollment token, first login and the Kibana navigation
6. Core data concepts: indices, documents, mappings, shards, replicas and data streams
7. Elastic Common Schema (ECS): standard field names and why consistent fields matter across sources
8. Filebeat: installation, modules for system and Nginx logs, setup command and default dashboards
9. Metricbeat: system and service metrics modules, collection periods and host dashboards
10. Logstash basics: inputs, filters and outputs with a first beats to Elasticsearch pipeline
11. Kibana Discover and KQL: data views, field filters, time picker and saved searches
12. First dashboard: Lens visualizations built from Filebeat and Metricbeat data

DAY 2 — Essential: Elastic Agent, Fleet, ingest and Kibana Observability

Included from Essential

13. Fleet and Elastic Agent: Fleet Server, agent policies, enrolling and upgrading agents centrally
14. Integrations: system, Nginx, MySQL and Kubernetes integrations with their bundled dashboards
15. Ingest pipelines: grok, dissect, date, geoip and rename processors with the simulate API
16. Logstash for complex parsing: conditionals, mutate, multiple pipelines and routing to different data streams
17. Data stream naming: type-dataset-namespace convention, composable index and component settings
18. Synthetics and uptime: HTTP, TCP and ICMP monitors and Playwright browser journeys
19. Packetbeat and Auditbeat: network flows, DNS and HTTP traffic, file integrity and audit events
20. Kibana Observability: Infrastructure inventory, Hosts view and Logs exploration in Discover
21. Querying data: Query DSL in Dev Tools and ES|QL in Discover for ad hoc analysis
22. Dashboards for teams: Lens, TSVB and Maps panels, controls, drilldowns and sharing
23. Kibana Spaces and saved objects: separating teams, exporting and importing dashboards
24. Alerting basics: rules and connectors for email, Slack and webhooks

DAY 3 — Intermediate: APM, OpenTelemetry, Kubernetes and stack operations

Included from Intermediate

25. Elastic APM: APM Server integration, Java, Node.js, Python and .NET agents, transactions, spans and service maps
26. OpenTelemetry with Elastic: OTLP ingest and Elastic Distributions of OpenTelemetry (EDOT)
27. Real user monitoring: RUM JavaScript agent, page loads and user experience metrics
28. Kubernetes observability: Elastic Agent DaemonSet, kube-state-metrics, container logs and metrics
29. Logstash at volume: Kafka input, persistent queues and dead letter queue handling
30. SLOs in Kibana Observability: SLI definitions, error budgets and burn-rate alerts

31. Machine learning: anomaly detection jobs, log rate analysis and log pattern analysis
32. Stack security: TLS between components, roles, API keys and Fleet service tokens
33. Index lifecycle management: rollover, hot and warm phases and retention for logs and metrics
34. Snapshot and restore: object storage repositories and snapshot lifecycle policies
35. Troubleshooting: agent health in Fleet, ingest failures, mapping conflicts and Logstash monitoring API
36. Configuration as code: Terraform elasticstack provider and Kibana and Fleet APIs

DAYS 4-5 **Advanced: Production architecture, scale, HA and governance** **New at this level**

37. Production architecture: dedicated master, data, ingest and ml nodes, hot, warm, cold and frozen tiers
38. Capacity planning: shard sizing, ingest rate, retention and heap and disk sizing
39. Ingest performance tuning: bulk size, refresh_interval, Logstash workers and Elastic Agent output settings
40. High availability and disaster recovery: allocation awareness, cross-cluster replication and object storage snapshots
41. Cross-cluster search: multi-region and multi-team observability from one Kibana
42. Cost control: searchable snapshots, logsdb index mode, synthetic _source and downsampling of metrics
43. Elastic Security on the same stack: SIEM detection rules, Elastic Defend and the Security app overview
44. Security hardening: SAML or OIDC SSO, field- and document-level security and audit logging
45. Running on Kubernetes: Elastic Cloud on Kubernetes (ECK) for Elasticsearch, Kibana, Fleet Server and agents
46. Upgrades and migration: rolling upgrades to 9.x, Upgrade Assistant, moving from Beats to Elastic Agent
47. AI assistance: Elastic AI Assistant for Observability with connectors and knowledge base
48. Governance: Spaces, naming standards, ECS compliance, retention policies and ownership
49. Capstone: full-stack observability platform for a microservices application with logs, metrics, traces and alerts

PRACTICE

Hands-on labs

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

FOUNDATION **Ship host logs and metrics**
Install the stack on a Linux VM, ship system and Nginx logs with Filebeat and host metrics with Metricbeat, then build a first Lens dashboard.

ESSENTIAL **Fleet-managed observability for a web tier**
Enroll Elastic Agents through Fleet with the Nginx and MySQL integrations, add uptime monitors and build a team dashboard with an error-rate alert.

INTERMEDIATE **Trace a microservice on Kubernetes**
Deploy Elastic Agent on Kubernetes, instrument two services with APM or OpenTelemetry, define an SLO and add an anomaly detection job for latency.

ADVANCED **Full-stack observability platform capstone**
Build an ECK-managed, tiered Elastic Stack collecting logs, metrics, traces and uptime for a microservices app, with ILM, SSO, SLOs and cross-cluster search.

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 Elastic Logstash Kibana Full Stack ELK 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 ELASTIC LOGSTASH KIBANA FULL STACK ELK 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/elastic/

ENROL OR RESERVE A SEAT
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WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com