DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

Traefik Intermediate Training

Run Traefik as the ingress controller on Kubernetes with CRDs or Gateway API, and monitor and troubleshoot its traffic.

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	35 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/traefik/traefik-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 Traefik course path, you will be able to:

1

Route traffic dynamically

Configure entryPoints, routers, services and middlewares for Docker and Kubernetes workloads.

2

Secure the edge

Automate HTTPS, authentication and traffic protection and harden Traefik for production.

3

Operate at scale

Monitor, troubleshoot and run highly available Traefik with canary releases and GitOps.

WHAT THE INTERMEDIATE LEVEL ADDS

Kubernetes ingress, observability and troubleshooting

Hands-on: Run Traefik as Kubernetes ingress. Install Traefik with Helm, publish two services with IngressRoute and Gateway API, run a weighted canary and watch the traffic split in Prometheus and Grafana.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Serve applications over automatic HTTPS, apply middlewares for security and redirects, and manage everyday routing with confidence.
- 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

Traefik Intermediate Training agenda

35 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: Reverse proxy concepts, architecture and first routes

Included from Foundation

1. Reverse proxies and edge routers: load balancing, TLS termination and why dynamic discovery matters
2. Traefik Proxy overview: open source edge router, Traefik v3 features and where it is used
3. Core concepts: entryPoints, routers, services and middlewares and how a request flows through them
4. Static versus dynamic configuration: CLI flags, traefik.yml and provider-supplied routing
5. Providers: Docker, Kubernetes, file, Consul and other sources of dynamic configuration
6. Installing Traefik: binary, official Docker image and Helm chart options
7. Running with Docker: docker-compose setup, Docker socket access and container labels
8. First routes: Host and PathPrefix rules and exposing a demo whoami service
9. Dashboard and API: enabling, securing and reading routers, services and middleware status
10. Basic logging: Traefik log levels and enabling access logs
11. File provider: defining routers and services in YAML for non-container backends

DAY 2 — Essential: HTTPS, middlewares and everyday routing

Included from Essential

12. Automatic HTTPS: ACME certificate resolvers with Let's Encrypt using HTTP-01, TLS-ALPN-01 and DNS-01
13. TLS options: minimum versions, cipher suites, default certificates and storing acme.json safely
14. Redirects: HTTP to HTTPS with redirectScheme and path changes with redirectRegex
15. Authentication middlewares: basicAuth, digestAuth and forwardAuth to an identity provider
16. Request shaping: headers, stripPrefix, addPrefix, replacePath and compress middlewares
17. Traffic protection: rateLimit, inFlightReq, ipAllowList and buffering limits
18. Middleware chains: reusing ordered middleware stacks across many routers
19. Load balancing: weighted round robin, sticky sessions and passive and active health checks
20. Router rules and priority: Host, Path, Header, Query and ClientIP matchers in Traefik v3 syntax
21. TCP and UDP routing: HostSNI rules, TLS passthrough and non-HTTP services
22. Configuration reloads: hot reloading dynamic configuration without restarts
23. Team workflow: label conventions, naming and keeping routing configuration in Git

DAY 3 — Intermediate: Kubernetes ingress, observability and troubleshooting

New at this level

24. Kubernetes install: Helm chart values, Deployment versus DaemonSet and service exposure
25. Kubernetes providers: Ingress, IngressRoute CRDs and the Kubernetes Gateway API provider
26. IngressRoute resources: IngressRoute, Middleware, TLSOption, ServersTransport and TraefikService objects
27. Certificates on Kubernetes: cert-manager integration and TLS secrets with Traefik
28. Canary and blue-green: weighted TraefikService and traffic mirroring for safe releases
29. Resilience middlewares: retry, circuitBreaker and timeouts on servers transports
30. Metrics: Prometheus and OpenTelemetry metrics and the key router and service series

31. Tracing: OpenTelemetry tracing in Traefik v3 and correlating requests across services
32. Access logs: JSON format, field filtering and shipping to Loki or ELK
33. Plugins: installing community plugins and the Yaegi and WebAssembly plugin models
34. Troubleshooting: 404 and 502 causes, provider errors, rule conflicts and debug logging
35. Upgrading from v2 to v3: rule syntax changes, renamed middlewares and migration checks

PRACTICE

Hands-on labs

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

FOUNDATION

Expose containers through Traefik with labels

Run Traefik and two demo services with Docker Compose, route them by host name and path using labels and inspect the routes in the dashboard.

ESSENTIAL

Secure services with automatic HTTPS

Issue Let's Encrypt certificates through a DNS-01 resolver, redirect HTTP to HTTPS and protect an admin service with forwardAuth and rate limiting.

INTERMEDIATE

Run Traefik as Kubernetes ingress

Install Traefik with Helm, publish two services with IngressRoute and Gateway API, run a weighted canary and watch the traffic split in Prometheus and Grafana.

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 Traefik 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 TRAEFIK 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/traefik/

ENROL OR RESERVE A SEAT
Traefik Intermediate Training

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Next step after this level: Traefik Advanced Training - Design highly available, hardened Traefik deployments for multi-cluster production traffic and API gateway use cases.