DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Envoy Foundation Training

Install Envoy, understand listeners, filters, routes and clusters, and run your first working reverse proxy.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	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
1 day · This curriculum

Essential
2 days · Next step

Intermediate
3 days · Later

Advanced
5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	12 topics · Foundation
Hands-on labs	1 lab
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/envoy/envoy-foundation-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 Envoy course path, you will be able to:

1

Configure Envoy with confidence

Build Envoy listeners, routes and clusters for edge and internal service traffic.

2

Secure and observe traffic

Apply mTLS, JWT, RBAC and rate limits and expose metrics, logs and traces.

3

Run Envoy at scale

Operate Envoy dynamically through xDS, Gateway API and service mesh with high availability.

WHAT THE FOUNDATION LEVEL ADDS

Proxy architecture, installation and first configuration

Hands-on: Run Envoy as a reverse proxy. Start Envoy in Docker in front of two backend services, route by path prefix and inspect traffic through the admin interface and access logs.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Envoy and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Envoy on real work.
- Leads and managers who want first-hand familiarity with Envoy.

BEFORE YOU START

- No prior Envoy experience is needed.
- 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

Envoy Foundation Training agenda

12 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: Proxy architecture, installation and first configuration

New at this level

1. Why Envoy: L4 and L7 proxy, edge proxy, sidecar and service mesh data plane roles, CNCF graduated project
2. Envoy architecture: single process, worker threads, connection handling, non-blocking event loop and hot restart
3. Core building blocks: listeners, filter chains, network filters, HTTP filters, routes, clusters and endpoints
4. Installation: envoyproxy/envoy Docker images, official packages, func-e and verifying the version with envoy --version
5. Bootstrap configuration: envoy.yaml structure, static_resources, node identity and the admin block
6. HTTP connection manager: codec types, stat_prefix, route_config, virtual hosts and the router filter
7. Routing basics: prefix, path and header matching, host rewrite and direct responses
8. Clusters: STATIC, STRICT_DNS and LOGICAL_DNS discovery, connect timeouts and load assignment
9. Admin interface: port 9901, /stats, /clusters, /config_dump, /ready and /logging
10. Access logging: file and stdout access logs, default format and custom format strings
11. Validating configuration: envoy --mode validate, reading startup logs and common YAML errors
12. First example: front two backend services with path-based routing on a single listener

PRACTICE

Hands-on labs

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

FOUNDATION

Run Envoy as a reverse proxy

Start Envoy in Docker in front of two backend services, route by path prefix and inspect traffic through the admin interface and access logs.

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 Envoy levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day 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 ENVOY 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/envoy/

ENROL OR RESERVE A SEAT
Envoy Foundation Training

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Next step after this level: Envoy Essential Training - Configure Envoy load balancing, health checks, retries, TLS and metrics for reliable everyday service traffic.