DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

Linkerd Essential Training

Use Linkerd every day to observe traffic, debug requests and add retries, timeouts and traffic splits without code changes.

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/linkerd/linkerd-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 Linkerd course path, you will be able to:

1

Mesh Kubernetes workloads

Install Linkerd and mesh applications with automatic mTLS and golden metrics.

2

Control and secure traffic

Apply retries, timeouts, traffic splits and zero-trust authorization policies.

3

Operate the mesh in production

Run highly available, multicluster Linkerd with safe upgrades, SLOs and governance.

WHAT THE ESSENTIAL LEVEL ADDS

Observability, traffic control and reliability features

Hands-on: Run a canary release with Linkerd. Add per-route metrics, retries and timeouts to a service, then shift traffic gradually from v1 to v2 with an HTTPRoute split while watching success rate.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Explain what a service mesh solves, install Linkerd on Kubernetes and mesh your first application with automatic mTLS.
- 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

Linkerd 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: Service mesh concepts, install and first meshed app

Included from Foundation

1. Service mesh concepts: the problems of service-to-service traffic, sidecars versus sidecar-less designs
2. Linkerd overview: CNCF graduated project, design goals of simplicity, security and a lightweight Rust proxy
3. Linkerd architecture: control plane (destination, identity, proxy-injector) and the linkerd2-proxy data plane
4. Release model: edge releases from the open source project and vendor stable distributions
5. Prerequisites: a Kubernetes cluster, kubectl access and linkerd check --pre
6. Installing the CLI and control plane: linkerd install --crds, linkerd install and linkerd check
7. Meshing workloads: the linkerd.io/inject annotation, linkerd inject and rolling restarts
8. Automatic mTLS: workload identity from ServiceAccounts, trust anchor and issuer certificates
9. Viz extension: linkerd viz install and the dashboard for golden metrics
10. Golden metrics: success rate, requests per second and latency percentiles per deployment
11. First working example: meshing a demo microservices app and reading its live traffic

DAY 2 — Essential: Observability, traffic control and reliability features

New at this level

12. CLI observability: linkerd viz stat, top, tap, edges and routes for live traffic insight
13. Per-route metrics: HTTPRoute and ServiceProfile resources for route-level success rate and latency
14. Retries and timeouts: configuring them on routes with annotations and retry budgets
15. Traffic splitting: weighted backends with Gateway API HTTPRoute for canary and blue-green releases
16. Load balancing: request-level EWMA balancing for HTTP and gRPC and why it beats connection balancing
17. Protocol detection: automatic HTTP/1.1, HTTP/2 and gRPC detection, opaque and skip ports
18. Proxy configuration: annotations for resources, log levels, ports and proxy injection exceptions
19. Ingress integration: meshing NGINX, Traefik or Envoy Gateway ingress controllers
20. Prometheus and Grafana: using the viz Prometheus or bringing your own and importing dashboards
21. Distributed tracing: the Jaeger extension and propagating trace headers from applications
22. Team workflow: namespace-level injection, GitOps-friendly manifests and Helm installation

PRACTICE

Hands-on labs

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

FOUNDATION

Install Linkerd and mesh an app

Install Linkerd and the viz extension on a cluster, inject a multi-service demo application and confirm mTLS and golden metrics in the dashboard.

ESSENTIAL

Run a canary release with Linkerd

Add per-route metrics, retries and timeouts to a service, then shift traffic gradually from v1 to v2 with an HTTPRoute split while watching success rate.

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 Linkerd 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 LINKERD 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/linkerd/

ENROL OR RESERVE A SEAT
Linkerd Essential Training

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Next step after this level: Linkerd Intermediate Training - Enforce zero-trust authorization, automate certificate rotation, connect clusters and troubleshoot the mesh confidently.