DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Istio Foundation Training

Understand service mesh concepts and Istio's sidecar and ambient architectures, install Istio and mesh your first application.

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	11 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/istio/istio-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 Istio course path, you will be able to:

1

Control service traffic

Route, shift, mirror and protect traffic between microservices with Istio.

2

Secure microservices by default

Apply mTLS, authorization and JWT authentication to build zero-trust service communication.

3

Operate meshes at scale

Observe, troubleshoot, upgrade and extend Istio across multiple clusters in production.

WHAT THE FOUNDATION LEVEL ADDS

Service mesh concepts, architecture and installation

Hands-on: Install Istio and mesh an app. Install Istio on a kind cluster, enable sidecar injection, deploy the Bookinfo application, expose it through a gateway and view it in Kiali.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Istio 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

Istio Foundation Training agenda

11 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, architecture and installation

New at this level

1. Service mesh concepts: microservice networking challenges and what a mesh adds
2. Istio overview: a CNCF graduated mesh, its features and how it compares with Linkerd
3. Istio architecture: istiod control plane, Envoy proxies and the xDS configuration flow
4. Data plane modes: sidecar mode versus ambient mode with ztunnel and waypoint proxies
5. Prerequisites: a Kubernetes cluster with kind, minikube or a managed service and kubectl
6. Installing Istio: istioctl install with profiles, Helm charts and verifying with istioctl verify-install
7. Sidecar injection: namespace labels, automatic and manual injection and pod changes
8. Ambient enrolment: labelling namespaces for ambient mode and checking ztunnel
9. Bookinfo demo application: deploying it and exploring its services
10. Ingress: exposing an application with the Kubernetes Gateway API and Istio Gateway
11. First look at observability: installing Kiali, Prometheus and Grafana add-ons

PRACTICE

Hands-on labs

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

FOUNDATION

Install Istio and mesh an app

Install Istio on a kind cluster, enable sidecar injection, deploy the Bookinfo application, expose it through a gateway and view it in Kiali.

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 Istio 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 ISTIO 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/istio/

ENROL OR RESERVE A SEAT
Istio Foundation Training

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Next step after this level: Istio Essential Training - Route, shift and protect traffic with Istio and observe every request with metrics, traces and logs.