



# Linkerd Training and Certification Course | Learn Service Mesh with Linkerd (LFS143x)



## About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT Ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

## ABOUT COURSE

The service mesh is an increasingly critical component of the cloud native ecosystem, with the Kubernetes ecosystem especially using service mesh projects to add reliability, security, and observability to applications.

Service Mesh is an important part of the cloud native ecosystem these days and with Kubernetes ecosystem specifically using Service Mesh projects to add reliability, security, and observability to applications. In this Linkerd course, participants will learn the service mesh and the advantages that it enables, and gain firm, hands-on skills using Linkerd, the open source, ultralight CNCF service mesh for Kubernetes. Participant will go through practical knowledge of an important cloud native technology which can be applied directly to any cloud native environment.

## What is Linkerd?

Linkerd is an open source service mesh counted as the lightest and fastest service mesh developed to be deployed into a variety of container schedulers and frameworks such as Kubernetes. It provides observability, reliability, and critical security without even a single code changes to Kubernetes applications. It can comfortably manage thousands of requests per second, and it works flawlessly with Kubernetes. Linkerd is used by many organizations like PayPal, Expedia, Hashicorp, Fiserv and by various other companies in their production.

## Why linkerd is used for?

Linkerd was introduced to resolve concerns related to the operation and management of large applications and systems. Interaction between services is a critical component of an application's runtime behavior. Connection between services is an important component of the runtime behavior of an application and Linkerd gives developers greater visibility and reliability, by providing them a layer of abstraction to control this communication. It can be very complicated to measure and diagnose application problems and failures without a dedicated layer of control and this is where Linkerd help us.



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|                                     |   |
|-------------------------------------|---|
| Duration                            | 20 Hours                                    |
| Mode                                | Online (Instructor-led, live & Interactive) |
| Projects (Real time scenario based) | 1   |

| FEATURES                         | DEVOPSSCHOOL | OTHERS |
|----------------------------------|--------------|--------|
| Faculty Profile Check            | ✓            | ✗      |
| Lifetime Technical Support       | ✓            | ✗      |
| Lifetime LMS access              | ✓            | ✗      |
| Top 25 Tools                     | ✓            | ✗      |
| Interviews Kit                   | ✓            | ✗      |
| Training Notes                   | ✓            | ✗      |
| Step by Step Web Based Tutorials | ✓            | ✗      |
| Training Slides                  | ✓            | ✗      |
| Training + Additional Videos     | ✓            | ✗      |

## AGENDA OF THE LINKERD TRAINING AND CERTIFICATION COURSE

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What Is a Service Mesh?

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Linkerd and the Service Mesh Ecosystem

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Linkerd Architecture

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The Linkerd Control Plane

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Deploying Linkerd to a Kubernetes Cluster

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Getting "Golden Metrics" for Your Applications

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Using Service Profiles for Per-Route Metrics

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Retries and Timeouts

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Securing your Application Communication with mTLS

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Canary and Blue-Green Deployments

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Using Linkerd in Production

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# Thank you!

**Connect with us for more info**

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