



Istio Service Mesh - Day 1

Advanced Training - 1 day

Overview

An introduction to what Istio is, its underlying architecture, and how to use it to enhance an application's capabilities on Kubernetes.

The course covers secure and intelligent routing, best practices for monitoring, logging, tracing and traffic management, which together can be used to gain a better insight of an application's behaviour and performance.

Hands-on labs allow participants to configure the rich feature set offered by Istio and put concepts to practical use.



Learning Outcomes

Knowledge:

- How Istio allows for intelligent and fine-grained traffic management and traffic shaping
- Using Istio for Authentication and Authorization
- Collecting fine-grained metrics, logging, and tracing information

Skills:

- Visualise Istio traffic with Kiali
- Update applications using canary rollouts and A/B testing
- Secure applications by encrypting service-to-service traffic

Participant Level

This course is for those just who have experience of deploying applications to Kubernetes and wish to make use of the more advanced application deployment and networking configurability offered by Istio.