



Kubernetes in Practice - Day 1

All Abilities - 1 day

Overview

Introduces core Kubernetes concepts, including security and isolation, application deployment strategies, health-checking, application logs, and package management.

Topics are accompanied by hands-on labs to allow participants to gain practical experience of implementing these concepts.



Learning Outcomes

Knowledge:

- How Linux containers allow applications to be run in isolation
- How applications map to Kubernetes Pods and are exposed using Services
- The purpose of core Kubernetes resources (Pod / ReplicaSet / Deployment / Service / Labels)

Skills:

- Provision a Kubernetes cluster
- Run an application on Kubernetes and examine its logs and monitor its health
- Use Readiness and Liveness probes to allow Kubernetes to maintain an application

“The workshop helped me understand what Kubernetes is made for, what the building blocks are and how we are supposed to use them. That was the aim, so I’m really really happy I attended the workshop!”

“I’m a newbie to Kubernetes, so there was enough information to get me started with!”

Participant Level

This course is designed for those who are new to Kubernetes and want to learn how to operate a Kubernetes cluster. Our participants typically include SREs, DevOps, and Operations people. You should be familiar with the command line, Linux and container technology.