



We're the free and open source technology experts.

Our courses feature experienced tutors and small class sizes. We can tailor any course to meet your specific requirements.

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Kubernetes introduction

Course details

Duration: 1 day

Cost: \$760 (ex gst)

To register email: training@catalyst.net.nz

About the course

Kubernetes is a mature orchestration platform with over a decade of development behind it. This workshop provides a hands-on introduction to Kubernetes. We explore a typical workflow developing a containerised application and deploying it to a Kubernetes cluster in the cloud. Along the way we will get hands on experience interacting with Kubernetes.

Course outline

The Kubernetes course will cover the following topics

- Introduction
- Setup
- Microservice vs Monolith
- Microservices and Containers
- Developing Microservices
- Orchestration
- Introduction to Kubernetes
- Kubernetes on the Desktop
- Kubernetes Concepts
- Running Workloads
- Namespaces
- Services
- Deployments
- Networking
- Kubernetes in the Cloud
- Deploying Applications
- Maintaining a Cluster

Note: These are the topics normally covered but might alter slightly depending on the needs of the trainees.

Target Audience

This course is aimed at those interested in container orchestration.

Prerequisites

- A basic understanding of Docker, equivalent to the Docker introduction course.
- Able to use the Linux terminal.