



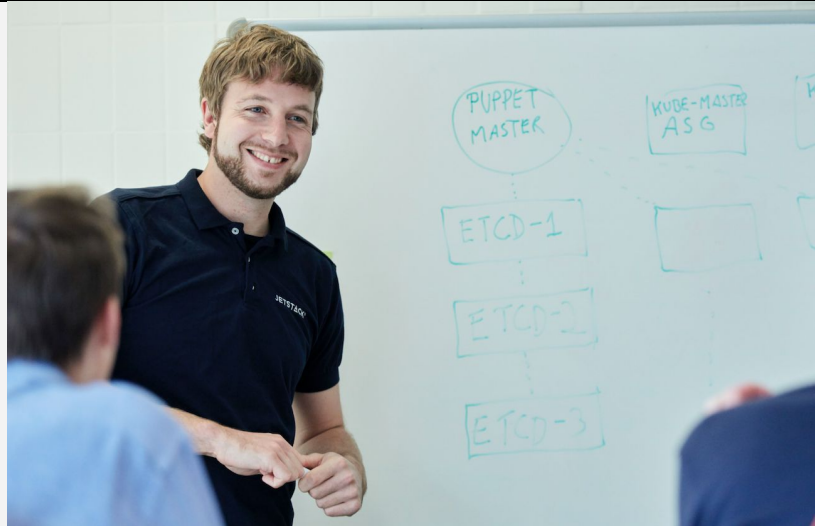
# Kubernetes in Practice - Day 2

Some experience of Kubernetes necessary - 1 day

## Overview

Covers advanced Kubernetes features and components, and how to leverage them to automate away operational toil.

In the hands-on labs, participants gain experience of configuring autoscaling, advanced scheduling strategies, Ingress and networking, StatefulSets and monitoring/alerting.



## Learning Outcomes

Knowledge:

- The inner workings of Kubernetes
- Strategies for autoscaling applications and clusters
- Considerations when running legacy applications
- Overview of the security considerations required to run applications on Kubernetes

Skills:

- Influence the default Kubernetes scheduler to improve application performance
- Set up Prometheus and Grafana monitoring
- Add state to an application using a Kubernetes StatefulSet
- Use Kubernetes Ingress and automatically provision TLS certificates to secure a website

"I'm now going to start building a Kubernetes cluster at home!"

"Awesome workshop on Kubernetes by Jetstack today. Lots of lightbulb moments."

"I thought the level of detail was good for the breadth of content we covered."

## Participant Level

This course is designed for those who have completed our Kubernetes in Practice - Day 1 training or previously provisioned a small cluster and deployed different applications to it. You must be familiar with the command line, Linux and container technology.