

Getting Started with Kubernetes and Google Container Engine

Course Summary

Description

Learn to containerize workloads and deploy to clusters. Learn to containerize workloads in Docker containers, deploy them to Kubernetes clusters provided by Google Container Engine, and scale those workloads to handle increased traffic. You also learn how to continuously deploy new code in a Kubernetes cluster to provide application updates.

Topics

- Understand container basics
- Containerize an existing application
- Understand Kubernetes concepts and principles
- Deploy applications to Kubernetes using the CLI
- Set up a continuous delivery pipeline using Jenkins

Audience

This course is designed for Application Developers, Cloud Solutions Architects, DevOps Engineers, IT Managers, and individuals using Google Cloud Platform to create new solutions or to integrate existing systems, application environments, and infrastructure with the Google Cloud Platform.

Prerequisites

Before taking this course, students should have basic proficiency with command line tools and Linux operating system environments as well as Web server technologies such as Nginx and Systems Operations experience including deploying and managing applications either on-premises or in a public cloud environment.

Duration

One day