

Getting started with Google Cloud Kubernetes

Lesson 01: Course Introduction

Lesson 02: Introduction to Google Cloud

- Cloud Computing and Google Cloud
- Resource Management
- Billing
- Interacting with Google Cloud
- Getting Started with Google Cloud Platform and Qwiklabs

Lesson 03: Introduction to Containers and Kubernetes

- Introduction to Containers
- Containers and Container Images
- Introduction to Kubernetes
- Introduction to Google Kubernetes Engine
- Compute Options Detail

Lesson 04: Kubernetes Architecture

- Kubernetes Concepts
- Kubernetes Control Plane
- Google Kubernetes Engine Concepts
- Kubernetes Object Management
- Migrate for Anthos introduction
- Migrate for Anthos Architecture
- Migration Path
- Migrate for Anthos Installation

Lesson 05: Introduction to Kubernetes Workloads

- The kubectl Command
- Deployments
- Ways to Create Deployments
- Services and Scaling
- Updating Deployments
- Blue-Green Deployments
- Canary Deployments
- Managing Deployments
- Pod Networking
- Volumes
- Volume Types
- The PersistentVolume abstraction