

Creating and Administering GKE Clusters



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Overview

GKE clusters run Kubernetes on GCE VMs

Creating and configuring clusters

Using the web console, gcloud command line, kubectl

Resizing, expanding and autoscaling

Auto-upgrading and auto-repairing



Demo

Creating a GKE cluster using the web console

Creating a deployment

Exposing the deployment as a service

Observing the firewall rules and load balancer configuration

Deleting the deployment and the cluster



Demo

Using the gcloud command line utility to create and manage a cluster

Creating a regional and zonal cluster

Defining custom node pools for an existing cluster

Resizing clusters



Demo

Using kubectl to work with clusters

Create deployments and expose services using kubectl



Demo

Using kubectl to configure cluster autoscaling

Generate load and observe how autoscaling works



Summary

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