

Hands-On Labs in Google Cloud for Security Engineers
Google Cloud

Overview

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Course Info

Week 1

Hands-On Labs in Google Cloud for Security Engineers

Week 1

Discuss the topic here.

threads

[Go to forum](#)

Welcome to Security in Google Cloud: Hands-On Practice

Google Cloud Training

In this module, you'll get to know how to interact with the course.

Course Feedback

 Reading: How to Send Feedback 10 min

IAM Custom Roles

Google Cloud Training

In this lab, you create custom roles using Cloud Console and `gcloud`.

Learning Objectives

- Create, update, delete, undelete custom roles

^ Less

IAM Custom Roles

✔ **Video:** Getting Started with Google Cloud and Qwiklabs 4 min

Graded External Tool: Lab: IAM Custom Roles Started Due Nov 16, 10:59 AM EAT

Resume

VPC Network Peering

Google Cloud Training

In this lab, you set up peering between two VPC networks.

VPC Network Peering

Graded External Tool: Lab: VPC Network Peering Started Due Nov 16, 10:59 AM EAT

Resume

Setting up a Private Kubernetes Cluster

 Google Cloud Training


In this lab, you create and configure a private cluster for Kubernetes in Google Cloud. The virtual machines on which the Kubernetes nodes run will not be externally accessible.

Learning Objectives

- Create a cluster
- Make the cluster available

[^](#) [Less](#)

Setting up a Private Kubernetes Cluster

 **Graded External Tool:** Lab: Setting up a Private Kubernetes Cluster Started Due Nov 16, 10:59 AM EAT [Resume](#)

How to Use a Network Policy on Google Kubernetes Engine

 Google Cloud Training


In this lab, you provision two service accounts to represent user personas and three namespaces: dev, test, and prod. You will test the access controls of the personas in each namespace.

Learning Objectives


- Restrict access with a network policy
- Restrict namespaces within network policies
- Perform validation
- Perform troubleshooting

[^](#) [Less](#)

How to Use a Network Policy on Google Kubernetes Engine

 **Graded External Tool:** Lab: How to Use a Network Policy on Google Kubernetes Engine Started Due Nov 16, 10:59 AM EAT [Resume](#)

Using Role-based Access Control in Kubernetes Engine

 Google Cloud Training


In this lab, you provision two service accounts to represent user personas and three namespaces: dev, test, and prod. You will test the access controls of the personas in each namespace.

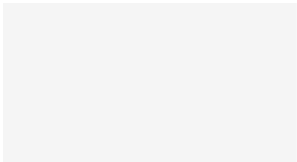
Learning Objectives

- Assign permissions by user persona
- Assign API permissions to a cluster application
- Perform troubleshooting

[^](#) [Less](#)

Using Role-based Access Control in Kubernetes Engine

 **Graded External Tool:** Lab: Using Role-based Access Control in [Resume](#)



Kubernetes Engine

Started Due Nov 16, 10:59 AM EAT [Resume](#)

