

Original page: <https://cloudskillsboost.google/paths/76> (<https://cloudskillsboost.google/paths/76>)

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# Google Cloud

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Apply your skills in Google Cloud console



# DevSecOps Learning Path

school 12 activities    update Last updated almost 2 years    person Managed by Google Cloud

A DevSecOps develops, implements, and monitors their organization's security infrastructure to protect sensitive information.

[Start learning path](#)



(/paths/76/course\_templates/60)

## 01 Google Cloud Fundamentals: Core Infrastructure

book Course

access\_time 5 hours

show\_chart Introductory

Google Cloud Fundamentals: Core Infrastructure introduces important concepts and terminology for working with Google Cloud. Through videos and hands-on labs, this course presents and compares many of Google Cloud's computing and storage services, along with important resource and policy management...

Start course

Learn how to ...

Define cloud computing.



(/paths/76/course\_templates/32)

## 02 Architecting with Google Kubernetes Engine: Foundations

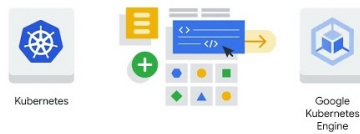
book Course

access\_time 24 hours

show\_chart Intermediate

In this course, "Architecting with Google Kubernetes Engine: Foundations," you get a review of the layout and principles of Google Cloud, followed by an introduction to creating and managing software containers and an introduction to the architecture of Kubernetes. This...

Start course



(/paths/76/course\_templates/34)

## 03 Architecting with Google Kubernetes Engine: Workloads

book Course

access\_time 6 hours 30  
minutes

show\_chart Intermediate

In "Architecting with Google Kubernetes Engine- Workloads", you'll embark on a comprehensive journey into cloud-native application development. Throughout the learning experience, you'll explore Kubernetes operations, deployment management, GKE networking, and persistent storage. This is the first course of the Architecting...

Start course



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## 04 Architecting with Google Kubernetes Engine: Production

book Course

access\_time 6 hours 30  
minutes

show\_chart Intermediate

In this course, you'll learn about Kubernetes and Google Kubernetes Engine (GKE) security; logging and monitoring; and using Google Cloud managed storage and database services from within GKE. This is the second course of the Architecting with Google Kubernetes Engine...

Start course



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## 05 Managing Security in Google Cloud

book Course

access\_time 8 hours 30  
minutes

show\_chart Intermediate

This self-paced training course gives participants broad study of security controls and techniques on Google Cloud. Through recorded lectures, demonstrations, and hands-on labs, participants explore and deploy the components of a secure Google Cloud solution, including Cloud Identity, Resource Manager,...

Start course

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#### Module overview

Service accounts, IAM roles, and API scopes

[Managing VM logins](#)

Organization policy controls

Shielded VMs and Confidential VMs

Certificate Authority Service

Compute Engine best practices

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## 06 Security Best Practices in Google Cloud

book Course

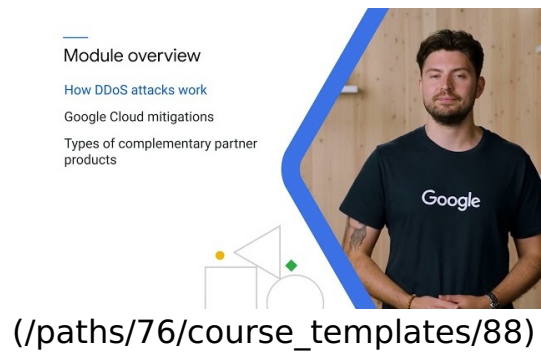
access\_time 11 hours 15 minutes

show\_chart Intermediate

This self-paced training course gives participants broad study of security controls and techniques on Google Cloud. Through recorded lectures, demonstrations, and hands-on labs, participants explore and deploy the components of a secure Google Cloud solution, including Cloud Storage access control...

Start course





## 07 Mitigating Security Vulnerabilities on Google Cloud

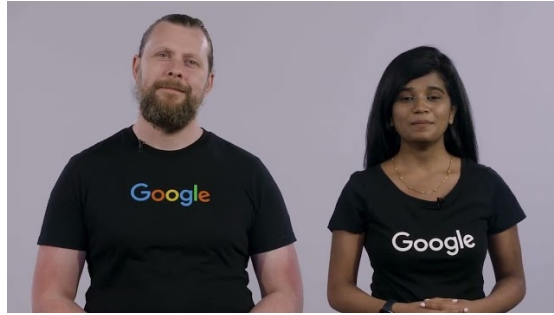
book Course

access\_time 5 hours

show\_chart Introductory

In this self-paced training course, participants learn mitigations for attacks at many points in a Google Cloud-based infrastructure, including Distributed Denial-of-Service attacks, phishing attacks, and threats involving content classification and use. They also learn about the Security Command Center, cloud...

Start course



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## 08 Getting Started with Terraform for Google Cloud

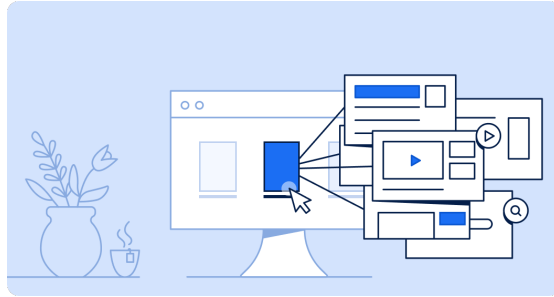
book Course

access\_time 6 hours 30  
minutes

show\_chart Introductory

This course provides an introduction to using Terraform for Google Cloud. It enables learners to describe how Terraform can be used to implement infrastructure as code and to apply some of its key features and functionalities to create and manage...

Start course



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## 09 Security & Identity Fundamentals

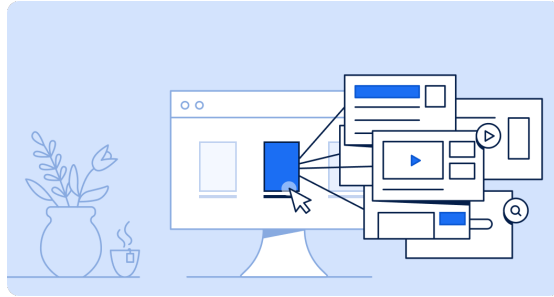
book Course

access\_time 8 hours 30  
minutes

show\_chart Introductory

Security is an uncompromising feature of Google Cloud services, and Google Cloud has developed specific tools for ensuring safety and identity across your projects. In this fundamental-level quest, you will get hands-on practice with Google Cloud's Identity and Access Management...

Start course



(/paths/76/course\_templates/691)

## 10 Implement CI/CD Pipelines on Google Cloud

book Course

access\_time 4 hours 45  
minutes

show\_chart Intermediate

Earn the intermediate skill badge by completing the Implement CI/CD Pipelines on Google Cloud course where you will learn how to use Artifact Registry, Cloud Build, and Cloud Deploy. You will interact with the Cloud console, Google Cloud CLI, Cloud...

Start course

Google Cloud Highlights

## DORA's 2019 Accelerate State of DevOps Report



(/paths/76/course\_templates/717)

## 11 DevOps Essentials

book Course

access\_time 3 hours 30  
minutes

show\_chart Introductory

Obtain a competitive advantage through DevOps. DevOps is an organizational and cultural movement that aims to increase software delivery velocity, improve service reliability, and build shared ownership among software stakeholders. In this course you will learn how to use Google...

Start course