

Training: Google Cloud
Getting Started with FinOps on Google Cloud - FinOps Practitioner



TRAINING GOALS:

This course is a hands-on learning experience designed to provide an actionable set of steps to help your organizations implement a Cloud Financial Operations (FinOps) strategy to maximize your cloud investment with Google Cloud. This course is suitable for Finance and/or IT related roles responsible for optimizing organization's cloud cost.

What you'll learn:

- Describe Cloud FinOps
- Apply FinOps Cultural Principles
- Explain the Cloud FinOps Framework
- Manage and implement Cloud cost processes
- Monitor spend and build Cloud cost reports
- Create Forecasts in Google Cloud

CONSPECT:

- Module 1 - Cloud FinOps Overview
 - Topics:
 - Challenges in cloud
 - What is Cloud FinOps
 - Why does FinOps Matter
 - Building blocks of FinOps
 - Capabilities framework
 - Cultural principles
 - Building a Cloud FinOps team
 - Measuring success
 - The road ahead
 - Objectives:
 - Describe Cloud FinOps
 - Apply FinOps Cultural Principles
 - Explain the Cloud FinOps Framework

- Module 2 - Cost Management on Google Cloud
 - Topics:
 - Understanding Google Cloud Costs
 - Cost Management Tools
 - Resource Management
 - Objectives:
 - Understand Google Cloud Costs
 - Describe tools on Google Cloud for Cost Management
 - Describe how resources are managed on Google Cloud
 - Activities:
 - Quiz 1
 - Lab: Understanding and Analyzing your Costs with Google Cloud
 - Quiz 2
 - Lab: Visualizing Billing Data with Looker Studio
 - Optional Lab: Looker Data Explorer
- Module 3 - Cost Optimization on Google Cloud
 - Topics:
 - Understanding Value vs. Cost
 - Lifecycle of Cost Optimization
 - Achieving Cost Optimization on Google Cloud
 - Objectives:
 - Understand value vs. cost
 - Describe the lifecycle of cost optimization
 - Achieve cost optimization on Google Cloud
 - Activities:
 - Quiz 3
 - Lab: Fundamentals of Cloud Logging
 - Quiz 4
- Module 4 - Cost Optimization Best Practices for BigQuery
 - Topics:
 - Primer on BigQuery
 - Optimizing Querying
 - Optimizing Storage
 - Objectives:
 - Describe BigQuery as a data warehousing solution on Google Cloud
 - Optimize compute and storage utilization on BigQuery

- Activities:
 - Demo: Optimizing your Google Cloud Spend with BigQuery and Looker
 - Lab: Analyzing Billing Data with BigQuery

REQUIREMENTS:

Completion of the Google Cloud Fundamentals: Core Infrastructure course or equivalent experience with Google Cloud

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Google Cloud

TRAINER:

Authorized Google Cloud Trainer