Google Cloud FinOps

Course Overview
A **FinOps Practitioner** enables organizations to maximize the business value of cloud investments by driving cost optimization, budgeting, forecasting, and cross-functional collaboration. This learning path guides you through a curated collection of concepts and hands-on labs that provide real-world experience in using Google Cloud tools for financial operations (FinOps). Key focus areas include cost visibility, budget controls, resource optimization, and establishing a culture of cloud cost accountability.

Duration: 2 Days / 16 Hours
Level: Associate
Prerequisites: No formal prerequisites. However, a basic understanding of **cloud billing**, **GCP services**, and **cost management principles** is helpful but not mandatory.
Course Outcome: Learners will be prepared to implement effective FinOps practices on Google Cloud and confidently pursue roles focused on **cloud financial management and cost optimization.**

Table of Content

Understanding FinOps in Google Cloud
- Importance of FinOps Practice
- FinOps Culture
- FinOps Principles
- FinOps Teams
- FinOps Lifecycle and Phases
- FinOps Triangle
- FinOps Best Practices
- Aligning Teams
- Case Study: Google Cloud FinOps
    Labs: Setting Up Cost Control with Quota

FinOps Tools and Services in Google Cloud
- Overview of FinOps Tools
- Google Cloud FinOps Epics
- Cost Optimization Techniques
- Resource Management in Google Cloud
- Google Cloud Infrastructure
- Google Cloud Hierarchy
- Organizing Resources
- Demo - Billing & Invoices (Trainer will show the demo)
- Demo - Pricing & Calculator (Trainer will show the demo)
    Labs: Cloud Monitoring
            Clean Up Unused IP Addresses

Managing Service Costs on Google Cloud

- Cost Management Strategies
- Forecasting Costs
- Compute Services Discount Models
- Cloud Cost Optimization Challenges
- BigQuery Pricing Model
- Billing Management
- Visualization & Dashboards
- Budgets & Notifications
- Understanding Cloud Financial Language

Labs: Clean Up Unused and Orphaned Persistent Disks

Optimizing Cost with Google Cloud Storage

Network Tiers - Optimizing Network Spend