GCP FinOps Cloud Cost Management

Duration: 1 days (8hrs/day)

Prerequisites:

- Understand the basics of IT
- Understand the basics of Cloud Computing
- Desire to save & make money in the cloud

Course Objective: This comprehensive course will help you Learn the fundamentals of FinOps and also get to know how FinOps is handled with Google Cloud deployments. How to implement Cloud Cost Optimization techniques. Forecasting, reports, monitoring, bill analysis will be covered. FinOps best Practices with Google Cloud

Demonstration Requirement: Participant GCP Trial Account Required

Module 1 – Introduction

Introduction to Cloud Pricing

Importance of Pricing in Cloud VS. Pricing in On Premise Data Center

Why FinOps is important

Module 2 – FinOps Fundamentals

FinOps Culture

FinOps Principles

FinOps Teams

FinOps Lifecycle and Phases

FinOps Triangle

FinOps Best Practices

Aligning Teams

Module 3 – Tools/Services for FinOps Management

FinOps Tools and Services

Google Cloud FinOps Epics

Google Cloud Services Cost Optimization

Google Cloud Resource Management

Google Cloud Infrastructure

Google Cloud Hierarchy

Whiteboard - Organizing Your Resources

Demo - Billing

Demo - Invoices and Billing

Demo - Pricing

Labels

Demo Tag/Label Management

Pricing Calculator

Module 4 – Managing Service Costs on GCP

Options for Managing Cost on Google

Forecasting

Compute Services Discount Models

Demo - Instance Discounts

Storage Services Cost Management

Demo - Finding Storage Waste

Demo - Understanding Kubernetes Costs

Cost Optimization Challenges with DevOps Environments

BigQuery Pricing Model

Account Billing Management

Demo - Bill Export and BigQuery

Visualizing Your Data

Demo - Data Studio

Cloud Management - Cloud Operations

Demo - Dashboards

Demo - Budgets

Demo - Budget Notifications

Demo - Quotas

Understanding Cloud Language

Whiteboard - Considerations and Summary