GCP For AWS Professionals

Modality: On Demand

Duration: 9 Hours

About this course:

Why Google Cloud Platform?

Google Cloud Platform is the fastest growing cloud technology, therefore, there is a rise in demand for cloud professionals who have expertise in Google Cloud Platform. All cloud professionals can greatly benefit from this course and gain a competitive edge over their co-workers.

What the course is covering?

IT professionals who are proficient in AWS and are looking for courses to learn about the comparisons and contrasts between Google Cloud Platform and Amazon Web Services in an easily graspable way should enroll for this course.

This course will walk a candidate through all the major services. The course comes with a 300-page downloadable manual which includes all the topic presentations. The manual also includes similarities, differences, and short to-do tips to help you understand better.

The course outline includes the following services:

- Networking
- Storage
- Data Services
- Management
- DevOps
- Management
- Infrastructure as Code

The course has been designed by keeping your ease in mind, that is why, numerous visuals including charts, graphs, and comparisons are a part of it. All major features, functions, and topics such as GCP Enterprise positioning are covered in the course.

This course will be helpful for all technical sales offices, executives, Technical and IT managers, and cloud professionals.

Course Objective:

After completing the course, students shall be able to:

- Compare and contrast between Google Cloud Platform and Amazon Web Services in such a way that any technical or non-technical person can easily grasp the concept

- Discuss in detail with examples of how GCP and AWS work and compete with each other
- Gain a comprehensive knowledge on how to leverage VMS, Storage, and Networking in GCP
- Fully understand the capabilities and powers of GCP platform and the difference in services such as performance, flexibility, and security of different providers

Audience:

The target audience for this course is:

- AWS officers who would like to transition to GCP speak
- Students preparing for certification of Google Cloud Platform
- Individuals willing to learn about the GCP Platform

Prerequisite:

We encourage you to fulfill the following requirements, before enrolling for the course:

- Signup for Google Cloud Platform for example free tier
- Complete a minimum of 6 months experience of AWS
- Learn basic concepts of Cloud Computing
- Signup for a working account of GCP Code-labs

Course Outline:

Introduction

- Instructor Welcome Aboard
- Course Overview
- Class Materials Download PDF (Over 300 pages)

GCP Overview

- Introduction to Google Cloud Platform
- Infrastructure, Regions and Zones
- GCP Cloud Hierarchy
- Sign up for a GCP Free Tier or Trial
- GCP Billing Demo

Virtual Machines

- Virtual Machines in GCP
- Compute Engine Overview Part 1
- Compute Engine Overview Part 2
- GCP Compute Engine Cost Efficiency
- Virtual Machines Demo
- App Engine - PaaS Part 1
- App Engine PaaS Part 2
- App Engine - PaaS Demo

Data Storage Services Overview

- Cloud Storage Overview
- Data Services Overview
- Cloud SQL Demo Part 1 of 2
- Cloud SQL or Cloud Spanner!

Networking Overview

- GCP Networking Basics Part 1 of 2
- GCP Networking Basics Part 2 of 2
- VPC Demo
- Loadbalancing and AutoScaling Overview
- Demo Create Firewall Rule
- Gcping

Monitoring and Managing your Cloud Resources

- Stackdriver Overview
- Stackdriver Demo
- Stackdriver Uptime Checks
- Monitoring your Cloud Storage Buckets
- Bonus Lecture -Stackdriver Install Monitoring Agents
- Bonus Lecture - Stackdriver Install Logging Agents
- Managing GCP Billing and Accounts

Devops on GCP

- Comparing DevOps to AWS on GCP
- Whiteboard - DevOps Source Code Management
- Whiteboard - Kubenetes Engine
- Cloud Source Repositories
- Cloud Build Demo
- Container Registry
- Cloud Shell
- Cloud Software Development Kit

Infrastructure as Code

- Infrastructure as Code
- Cloud Launcher
- Deployment Manager

IAM

- IAM Part 1
- IAM Part 2
- Cloud Identity

- GCDS

Resources to Help Learn About GCP

- Qwiklabs
- Codelabs
- Pricing Calculator
- Stackoverflow
- GCP Asset Library

Course Closeout and Good Luck

- GCP for AWS Professionals Official Webpage
- Certification Exam Comparison - AWS exams to GCP Exams
- GCP Enterprise Positioning
- Course Closeout and Good Luck

Bonus Lectures- GCP Cloud Certifications- Top Ten Things to Know

- Top Ten Things to Focus on the GCP Associate Cloud Engineer Exam 2018
- Top Ten Things to Focus on the Cloud Developer Exam 12/2018
- Top Ten Things to Focus on the NEW Cloud Architect Exam 11/09/2018