

## Hatigen Consulting Services Pvt Ltd

### Google Cloud Platform Architect Certification Online Training Course

#### Table of Contents:

- Program Overview
- Program Features
- Delivery Mode
- Prerequisites
- Target Audience
- Key Learning Outcomes
- Certification Details and Criteria
- Course Curriculum
- About Us

#### Program Overview:

Hatigen's Google Cloud Platform Architect certification program will aid you with the skills needed to advance your career in the cloud architecture and become a certified Google Cloud Architect Professional. The course covers IAM, Networking, cloud storage, and much more. This online GCP Architect certification course introduces you to the comprehensive and flexible infrastructure and platform services provided by Google Cloud Platform. You will learn to analyze and deploy infrastructure components such as networks, storage systems, and application services.

#### Program Features:

- Trusted content
- Re-learn for free anytime in a year
- Rigorous assignments and assessments
- Learn at your own pace



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- Mandatory feedback sessions
- Mock-interview
- Hands-on real-time experience
- Free Mentorship
- Live chat for instant solutions
- Job-ready employees post-training
- End-to-end training
- Download the certificate after the course

### **Delivery Mode:**

- Online Training

### **Prerequisites:**

Knowledge of Google Cloud Platform Fundamentals or any Cloud Platform is beneficial

Basic knowledge of command-line tools and Linux operating system environments

Prior operations experience in deploying and managing applications, either on-premises or in a public cloud environment

### **Target Audience:**

- Software developers
- Cloud Solutions Architects
- Systems Operators
- DevOps Engineers

### **Key Learning Outcomes:**

By the end of this online GCP Architect training course, you will be able to:

- Set up GCP account and utilize GCP services: Networking, storage, content and delivery network

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- Add Identity Access Management member
- Understand Google Virtual Machines and how to work with them
- Comprehend cache and restrictions and how to avoid excessive billing
- Store and manage data in the cloud SQL
- Certification Details and Criteria:
- Complete at least 85 percent of the course

### Course Curriculum:

#### Lesson 01 - Introduction to Google Cloud for Techs

- GCP Introduction

#### Lesson 02 - Google Cloud - Introduction to GCP

- Google Cloud - Introduction to GCP
- GCP - Signup process (If you are from Europe then this might clear some doubts)
- Demo - GCP- Web console (Projects, billing)
- Demo - Cloud SDK

#### Lesson 03 - Google Cloud IAM - (Identity and Access Management)

- Google Cloud IAM - (Identity and Access Management)
- Demo - Add IAM Member
- Demo- Custom Role
- Demo - IAM Hierarchy

#### Lesson 04 - Google Regions and Zones

- Google Regions and Zones



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### **Lesson 05 - Google Cloud - Virtual Machine**

- Google Cloud - Virtual Machine
- Demo - VM (Preemptible, gcloud, Committed Discount etc,.)
- GCP - VM Image and Snapshot
- Demo - VM (Image, Snapshot and Cloning)

### **Lesson 06 - Networking (VPC)**

- Networking (VPC)
- VPC Introduction
- Demo - Create VPC
- Demo-Multiple NICs on VM
- VPC Peering
- Demo - VPC Peering

### **Lesson 07 - Google Cloud Load balancer and Autoscaling**

- Google Cloud Load balancer and Autoscaling
- Demo- Load balancer and Autoscaling

### **Lesson 08 - CDN - Content and Delivery Network**

- CDN - Content and Delivery Network
- CDN - Flushing the Cache and Restrictions
- CDN - How to avoid excessive billing
- Demo - Enabling CDN
- Demo - Invalidating the cache in CDN

### **Lesson 09 - Google Cloud Storage - Cloud SQL**

- Google Cloud Storage - Cloud SQL
- Cloud SQL Introduction

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- Cloud SQL - High Availability Introdu
- Demo - Cloud SQL - Create and Connect (Check that DB Flag!)
- Demo - Cloud SQL - High Availability

### **Lesson 10 - Cloud Storage - Datastore**

- Cloud Storage - Datastore
- How Datastore Scales using Bigtable
- Consistency in Cloud Datastore
- Demo - Cloud Datastore
- Demo - Entity Group in Datastore

### **Lesson 11 - Cloud Storage - Spanner**

- Cloud Storage - Spanner
- Spanner Data Types and Models
- Demo - Spanner
- Demo - Connect to Spanner from Compute Engine (IAM + PHP)

### **Lesson 12 - Google Cloud Storage - Storage (Store that Gorilla picture!)**

- Google Cloud Storage - Storage (Store that Gorilla picture!)
- Storage - Buckets and Objects
- Demo - Copy using gsutil and store that Gorilla

