Google Cloud Platform Associate Cloud Engineer Certification

Modality: On Demand

Duration: 11 Hours

About this Exam:

This course was explicitly intended to give a boost to the subjects of the exam of Google Cloud Platform Associate Cloud Engineer. This course is intended for experienced engineers of GCP that need a boost of the goals before taking the test. If you want more active assistance, at that point taking the extra courses would be great before taking the test.

During the course, you will give knowledge into the exam of GCP Cloud Engineer and stroll through fundamental activities around dealing with a GCP Cloud. We will be experiencing demos, go over the content and giving you the best 10 things to keep in mind before going to the test.

How about we get you affirmed on GCP.

An Associate Cloud Engineer looks after the solutions of enterprise, Keeps an active eye on operations, and deploys apps. This individual can utilize the Console of Google Cloud and the interface of command-line to perform basic tasks to keep up at least one deployed answers that leverage self-managed services or Google-managed services on Google Cloud.

The Associate Cloud Engineer exam measures your ability to:

- Check to ensure successful operation of a cloud solution
- Check of configuring and plan a cloud solution
- Check of setting up an environment of cloud solution
- Check to implement and deploy a cloud solution
- Check of configuring security and access.

Course Objective:

- Get ready to take and pass the exam of GCP Associate Cloud Engineer.
- Deal with your environment of GCP Cloud all the more productively
- Figure out how to utilize the commands of GCP cloud required for the success in this test
- Figure out how to measure Bigquery and App Engine.
- Figure out how to protect Compute Engine
- Become familiar with the required commands of Kubernetes.
- Comprehend Billing in GCP.
- The most effective method to protect the GCP cloud with Cloud Identity and IAM.
- Get ready for the test and pass.
- Projects and Organizations
- Gcloud - Change Regions
- Project Create Demo
- Project Deletion Demo

- Gcloud Project Default Directory
- Project Service Accounts
- Managing billing configurations
- Project CLI Commands of Gcloud
- Command Line Interface
- GCP Cloud Pricing Calculator
- Compute Engine Overview
- Load Balancing Options
- Load Balancing Discussion
- Whiteboard - Cloud CDN
- GCP Scanner for IAM App Engine Security
- Managing Service Accounts
- Cloud Organization Hierarchy and IAM Project Demo
- Cloud IAM - Cloud Identity - IDaaS
- GCP Cloud IAM - Identity Aware Proxy
- Integration of GSuite

Audience:

- Everyone who needs good knowledge into the Google Cloud Platform.
- Everyone who needs to pass the exam of Google Cloud Platform Associate Engineer.
- Everyone who needs to review the purpose of the exam of Google Cloud Platform Associate Engineer.

Prerequisite:

- Google Cloud Platform account access like a free tier.
- Anyone who can arrange services, for example, VPCs, Networks, VMS, data and storage services in GCP.
- Utilizing the Google Cloud Platform for a half year or more.

Course Outline:

Introduction to GCP Cloud Engineer Course Updated May 2019

- GCP Associate Cloud Engineer Course Overview
- Introduction to the GCP Cloud Engineer Express Course
- GCP Associate Cloud Engineer Exam Objectives Part 1
- GCP Associate Cloud Engineer Exam Objectives Part 2
- Top Ten Things to Focus on the GCP Associate Cloud Engineer Exam 2018
- Download Course FREE Practice Questions
- Download Cloud Engineer Command List to Study for Exam
- Download Study Links Document

Setting up a cloud solution environment

- Section 1 Setting up a cloud solution environment Overview
- Projects and Organizations

- Project Deletion Demo
- Project Create Demo
- Gcloud Project Default Directory
- Project Service Accounts
- Gcloud - Change Regions
- Managing billing configurations
- Billing Demo
- Project CLI Gcloud Commands
- Command Line Interface

Planning and configuring a cloud solution

- Module 2- Planning and configuring a cloud solution
- GCP Cloud Pricing Calculator
- Quotas Must Know
- Discussion - Planning and configuring network resources
- Load Balancing Options
- Load Balancing Discussion
- Whiteboard - Cloud CDN
- Compute Engine Overview
- Compute Engine Managing Compute Engine resources
- App Engine Overview
- Compute Engine Recomendation Engine
- Cloud Functions Overview
- Kubenetes Engine Overview
- Migrating to GCP - 3rd Party Services

Deploying and implementing a cloud solution

- Module 3 Deploying and implementing a cloud solution
- Compute Engine Demo Deploy Instance Templates and Instance Groups Part 1
- Compute Engine Demo Deploy Instance Templates and Instance Groups Part 2
- Kubenetes Engine Demo -Deploy
- Kubenetes Engine Clusters Demo
- GCP BigQuery
- Cloud SQL Demo
- Cloud Storage Overview
- Cloud Storage Demo Part 1 of 2
- Cloud Storage Demo Part 2 of 2
- GCP Data Storage Transfer Between Regions Demo Rev1
- Demo - Cloud Launcher
- Deployment Manager
- Demo - Create VPC
- Demo -Create Firewall Rule

Ensuring successful operation of a cloud solution

- Module 4 - Ensuring successful operation of a cloud solution

- Recommendation Engine
- Viewing Google Cloud Platform status
- Demo - Google Stackdriver Install Monitoring Agent
- Demo - Google Stackdriver Install Logging Agent
- Demo - Google Stackdriver
- Demo - Google Stackdriver Trace
- Demo - Google Stackdriver Metrics Explorer
- Demo - Google Stackdriver Uptime Checks
- Demo - Google Stackdriver Workspaces

Configuring access and security

- Module 5- Configuring access and security
- GCP Cloud IAM Overview
- Demo - Cloud IAM - Create Role
- Managing Service Accounts
- Cloud IAM Project and Organization Hierarchy Demo
- GCP IAM App Engine Security Scanner
- Cloud IAM - Cloud Identity - IDaaS
- GCP Cloud IAM - Identity Aware Proxy
- GSuite Integration

DevOPS

- Bonus Lecture Devops Part 1
- Bonus Lecture - DevOps Part 2
- DevOps and Kubenetes Engine Whiteboard
- Cloud Build Demo
- Cloud Source Repositories
- Source Code Management Whiteboard
- Container Registry
- App Engine Security Scanner
- Demo and Whiteboard -App Engine A/B Testing

Resources to help Study.

- Free Tier
- Codelabs for App Development Practice (FREE)
- Qwiklabs for practice labs (Not Free)
- GCP Services Crib Sheet - Download
- GCP Cloud Solutions Icons and Resources
- Cloud Solutions Architecture Reference aka Project Treehouse
- GCP Enterprise Best Practices Webpage
- DevOps Webpage- Must Review before Exam
- Google Cloud Platform Official Practice Exam - Free
- Bonus Lecture -Additional Exam Prep Questions

Course Closeout and Good Luck

- Linkedin Job Search Tips- Cloud Engineer
- Top 10 Things to Memorize before taking Exam!
- Register for the exam
- Bonus Lecture- Extra Questions