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Course Details

Overview

This course is designed to not only help you pass the Google Cloud Certified - Associate Cloud Engineer exam but also to learn the real-world skills you'll need to be a cloud engineer.

This course loosely follows the domain objectives outlined in the certification info. However, instead of just walking you through each bullet point and showing how that particular item works, without any context, we've chosen to use a scenario.

In this scenario, you've been hired by a startup called Find Seller. They're working on an app that allows users to post a picture of an item and tag it as something they want to buy or sell. They're having trouble getting funded because currently all of their technology resides on the developers' laptops, and they don't have any idea how to move to the cloud. That's where you and I enter the scenario. You've been hired as a junior cloud operations engineer, and I'll be working as a senior cloud engineer. I'll be mentoring you as we're assigned tasks from our boss, and we'll go through the process of deploying and maintaining the application.

Here are some of the areas of focus:

- Set up a cloud solution environment.
- Plan and configure a cloud solution.
- Deploy and implement a cloud solution.
- Ensure successful operation of a cloud solution.
- Configure access and security.

By the end of this course, you should be ready to pass the Google Cloud Certified- Associate Cloud Engineer Exam

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Course Introduction

Getting Started

Course Introduction

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About the Training Architect

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The Scenario

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Setting up a Cloud Solution Environment

Setting up Cloud Projects and Accounts

Section Introduction

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Creating an Account

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Creating a New Project

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Creating Users and Assigning Roles

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Enabling APIs

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Provisioning Stackdriver Accounts

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Section Summary

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Managing Billing Configuration

Creating Billing Accounts

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Establishing Billing Budgets and Alerts

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Setting up Billing Exports to Estimate Daily/Monthly Charges

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Section Summary

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Cloud SDK

Setting up a Cloud Server

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NEW - Cloud Server in the new Playgrounds Interface

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Installing the Cloud SDK

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Using the Cloud SDK

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Planning and Configuring a Cloud Solution

Planning and Configuring Compute Resources

Comparing Compute Options

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Reviewing Compute Engine

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Reviewing Compute Engine - Managed Instance Groups

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Reviewing Kubernetes Engine

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Reviewing App Engine

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Planning and Configuring Data Storage Options

Comparing Storage Options

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Planning and Configuring Network Resources

Reviewing Networking Options

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Exploring the Application

Architecture Review

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Planning and Estimating Using the Pricing Calculator

Estimating the Price of the Application

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Deploying and Implementing a Cloud Solution

Planning the Application Deployment

Reviewing the Codebase

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Deploying the Applications

Configuring Common Services 1 of 2

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Deploying the Products API on Kubernetes 1 of 2

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Deploying the Products API on Kubernetes 2 of 2

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Deploying the Ads API on Compute Engine With Deployment Manager 1 of 2

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Deploying the Ads API on Compute Engine With Deployment Manager 2 of 2

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Deploying the Image Processor With Cloud Functions

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Ensuring Successful Operation of a Cloud Solution

Managing Resources

Section Intro

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Managing Compute Engine Instances - SSH

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Managing Compute Engine Instances - Images and Snapshots

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Managing Kubernetes Engine Resources

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Managing Networking Resources

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Monitoring and Logging

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Configuring Access and Security

Working With Logs

Viewing Audit Logs for Project and Managed Services

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Course Conclusion

Final Steps

Domain Objective Review

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What's Next?

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Am I Ready?

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Practice Exam / Quiz:

Google Cloud Certified Associate Cloud Engineer - Practice Exam

02:00:00

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