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View Full Course Details including Latest Schedule Online

GOOGLE CLOUD PLATFORM

Google Cloud Fundamentals: Core Infrastructure Training

This 1-day training explores the value of Google Cloud Platform technologies and how to integrate these solutions into business strategies.

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

This one-day instructor-led training course provides an overview of Google Cloud Platform products and services. Through a combination of presentations, demos, and hands-on labs, you will learn the value of Google Cloud Platform and how to incorporate cloud-based solutions into business strategies. This course contributes towards becoming a Google Cloud Certified as a Professional Cloud Architect.

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.

Course Outline

Introducing Google Cloud Platform

- Explain the advantages of Google Cloud Platform.
- Define the components of Google's network infrastructure, including: Points of presence, data centers, regions, and zones.
- Understand the difference between Infrastructure-as-a- Service (IaaS) and Platform-as-a-Service (PaaS).

Getting Started with Google Cloud Platform

- Identify the purpose of projects on Google Cloud Platform.
- Understand the purpose of and use cases for Identity and Access Management.
- List the methods of interacting with Google Cloud Platform.

Virtual Machines and Networks in the Cloud

- Identify the purpose of and use cases for Google Compute Engine.
- Understand the various Google Cloud Platform networking and operational tools and services.
- Lab: Compute Engine

Storage in the Cloud

- Understand the purpose of and use cases for: Google Cloud Storage, Google Cloud SQL, Google Cloud Bigtable, and Google Cloud Datastore.
- Learn how to choose between the various storage options on Google Cloud Platform.
- Lab: Cloud Storage and Cloud SQL

Containers in the Cloud

- Define the concept of a container and identify uses for containers.
- Identify the purpose of and use cases for Google Kubernetes Engine and Kubernetes.
- Lab: Kubernetes Engine

Applications in the Cloud

- Understand the purpose of and use cases for Google App Engine.
- Contrast the App Engine Standard environment with the App Engine Flexible environment.
- Understand the purpose of and use cases for Google Cloud Endpoints.

- Lab: App Engine

Developing, Deploying, and Monitoring in the Cloud

- Understand options for software developers to host their source code.
- Understand the purpose of template-based creation and management of resources.
- Understand the purpose of integrated monitoring, alerting, and debugging.
- Lab: Deployment Manager and Stackdriver

Big Data and Machine Learning in the Cloud

- Understand the purpose of and use cases for the products and services in the Google Cloud big data and machine learning platforms.
- Lab: BigQuery

FAQs

Who should take this course?

This course is ideal for: Solutions Developers, Solution Architects, and Systems Operations Professionals working with the Google Cloud Platform. Executives and Business Decision Makers assessing the value and business case of utilizing the Google Cloud Platform for their business needs. Developers and Solution Architects looking to create and deploy applications on the Google Cloud Platform.

What is the recommended experience for this course?

Before attending this course, students should be familiar with the Linux command line, text editors, and web servers.

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Included in this **Google Cloud Fundamentals: Core Infrastructure Training**

- %day% instructor-led training
- Google Cloud Fundamentals: Core Infrastructure Training training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*