Google Cloud Fundamentals: Core Infrastructure

Duration: 1 Day **Course Code: GO8324**

Overview:

This one-day instructor-led Google Cloud Platform class 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.

Target Audience:

Solutions developers getting started with Google Cloud Platform Solution architects getting started with Google Cloud Platform Systems operations professionals getting started with Google Cloud Platform Solution architects planning to deploy applications and create application environments on Google Cloud Platform Executives and business decision-makers evaluating the potential of Google Cloud Platform to address their business needs

Objectives:

- In this course you will learn:
- Purpose and value of Google Cloud Platform products and services
- Interact with Google Cloud Platform services
- Ways in which customers use Google Cloud Platform
- Choose among and use application deployment environments on Google Cloud Platform:
- Google App Engine, Google Container Engine, and Google Compute Engine
- Choose among and use Google Cloud Platform storage options: Google Cloud Storage,
- Google Cloud SQL, Google Cloud Bigtable, and Google Cloud Datastore
- Use BigQuery, Google's managed data warehouse for analytics

Prerequisites:

Familiarity with application development, Linux operating systems, systems operations, and data analytics/machine

Content:

1. Introducing Google Cloud Platform

- Explain the advantages of Google Cloud Platform
- Define the components of Google's network infrastructure
- Understand the difference between Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS)

2. 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

3. Google App Engine and Google Cloud Datastore

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

4. Google Cloud Platform Storage Options

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

5. Google Container Engine

- Define the concept of a container and identify uses for containers
- Identify the purpose of and use cases for Google Container Engine and Kubernetes
- Deploying Applications Using Google Container Engine

6. Google Compute Engine and Networking

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

7. Big Data and Machine Learning

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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