Google Cloud Fundamentals: Core Infrastructure

Duration: 1 Day   Course Code: GO8324

Overview:

Learn the value of Google Cloud Platform.
This one-day instructor-led 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:

This course is intended for the following participants: Individuals planning to deploy applications and create application environments on Google Cloud Platform. Developers, systems operations professionals, and solution architects getting started with Google Cloud Platform.# Executives and business decision makers evaluating the potential of Google Cloud Platform to address their business needs.

Objectives:

- After completion of this course you will be able to:

- Identify the purpose and value of Google Cloud Platform products and services

- Interact with Google Cloud Platform services

- Describe ways in which customers have used 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

- Make basic use of 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 Head Office 01189 123456 / Northern Office 0113 242 5931

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