Google Cloud Fundamentals: Core Infrastructure

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 Data store

- Understand the purpose of and use cases for Google App Engine and Google Cloud Data store
- 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 Big table
- 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