

Google Cloud Fundamentals: Core Infrastructure (GCF-CI)

ID GO-GCF-CI Duración 1 día

Quién debería asistir

This Google Cloud Platform training class is intended for the following:

- 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

Este curso es parte de las siguientes Certificaciones

Google Cloud Certified Professional Cloud Architect (PCA)
Google Cloud Certified Professional Cloud Security Engineer (PCSE)
Google Cloud Certified Professional Cloud Developer (PCD)
Google Cloud Certified Professional Cloud Network Engineer (PCNE)
Google Cloud Certified Associate Cloud Engineer (ACE)

Prerrequisitos

Familiarity with application development, systems operations, Linux operating systems, and data analytics/machine learning is helpful in understanding the technologies covered.

Objetivos del curso

This course teaches participants the following skills:

- 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

Contenido del curso

Module 1: 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)
- Lab: Sign Up for the Free Trial and Create a Project

Module 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
- Lab: Getting Started with Google Cloud Platform

Module 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
- Lab: Deploying Applications Using App Engine and Cloud Datastore

Module 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
- Lab: Integrating Applications with Google Cloud Storage

Module 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

Module 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
- Lab: Deploying Applications Using Google Compute Engine

Module 7: Big Data and Machine Learning

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

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