Training: Google Cloud
GDC Air-Gapped Practitioner Fundamentals

Google Cloud

TRAINING GOALS:

GDC Air-Gapped Practitioner Fundamentals is a three course series that prepares platform administrators and application operators to perform essential functions for their roles in Google Distributed Cloud.

What you'll learn

- Describe GDC from the practitioner's perspective.
- Administer and implement GDC service offerings.

Audience

This course is intended for:

- DevOps Engineers
- Application Developers

CONSPECT:

- GDC Platform Introduction
  - Objectives
    - Navigate the GDC console, gdcloud CLI, or APIs to execute GDC practitioner’s responsibilities and tasks.
    - Configure GDC IAM to manage access to resources.
    - Provision and administer VMs.
  - Activities
    - 1 quiz (at the end of the course series)
- Compute, Network, and Storage Services Configuration in GDC
  - Objectives
    - Establish services for the GDC platform and demonstrate how the platform utilizes Kubernetes architecture and components.

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        - Articulate the benefit of working declaratively to deploy workloads and manage the Kubernetes environment.
        - Provision storage buckets and grant access to them.
        - Deploy and operate a database cluster in GDC Database Service.
        - Explain how GDC networking features enable you to isolate and interconnect workloads based on project needs.
        - Identify the requirements to maintain GDC platform security and demonstrate the use and management of crypto keys.
    - Activities
        - 1 quiz (at the end of the course series)
- AI Services and GDC Deployments and Operations
    - Objectives
        - Determine the appropriate use cases and identify the implementation of GDC Vertex AI pre-trained APIs.
        - Execute operational management tasks within your GDC environment.
        - Identify methods to manage GDC software upgrades, configure logging, and monitor billing and costs.
    - Activities
        - 1 quiz (at the end of the course series)

REQUIREMENTS:

The training is technical and primarily targets DevOps, System Administrators, and Developers. Prior knowledge should include:

- Essential Linux and networking skills
- Core Kubernetes concepts
- Infrastructure and cloud fundamentals

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Google Cloud (course completion).

TRAINER:

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Authorized Google Cloud Trainer

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