



GOOGLE CLOUD TRAINING

Google Cloud Fundamentals Core Infrastructure Course Gcp

Master core Google Cloud infrastructure services. Gain foundational skills to effectively deploy and operate GCP solutions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This "Google Cloud Fundamentals Core Infrastructure Course" provides an essential understanding of Google Cloud Platform (GCP)'s foundational services and infrastructure. Designed for IT professionals, developers, and cloud enthusiasts, this intermediate-level course will introduce you to the core components that power Google Cloud, enabling you to confidently navigate and utilize its vast ecosystem. You'll explore key services related to compute, storage, networking, and identity management, laying a solid groundwork for building and managing scalable, reliable applications in the cloud.

Participants will gain practical insights into deploying virtual machines with Compute Engine, managing data with Cloud Storage, setting up robust network architectures using Virtual Private Cloud (VPC), and securing resources with Identity and Access Management (IAM). This 2-hour intensive course distills complex cloud concepts into digestible modules, focusing on the practical application of GCP's core infrastructure services. By mastering these fundamentals, you'll be well-equipped to contribute to cloud migration projects, optimize existing cloud environments, and prepare for more advanced Google Cloud certifications, enhancing your professional value in the rapidly evolving cloud computing landscape.

Duration	2 hours
Level	Intermediate
Vendor	Google Cloud

COURSE CURRICULUM

01 Module 1: Introduction to Google Cloud Platform

- What is Cloud Computing and its benefits?
- Overview of Google Cloud Platform (GCP) services
- Understanding GCP Regions and Zones
- Navigating the Google Cloud Console
- GCP Project Structure and Organization

02 Module 2: Compute Services on GCP

- Compute Engine: Virtual Machines (VMs)
- App Engine: Platform as a Service (PaaS) overview
- Google Kubernetes Engine (GKE): Introduction
- Cloud Functions: Serverless Computing basics

03 Module 3: Storage and Database Options

- Cloud Storage: Object Storage for unstructured data
- Persistent Disks for Compute Engine instances
- Cloud SQL: Managed relational database service
- Cloud Datastore/Firestore: NoSQL database fundamentals

04 Module 4: Networking Fundamentals

- Virtual Private Cloud (VPC) Networks architecture
- IP Addresses and Routing in GCP
- Implementing Firewall Rules
- Introduction to Load Balancing concepts
- Connecting securely to GCP instances

05 Module 5: Identity and Access Management (IAM)

- Introduction to IAM Roles and Permissions
- Managing Users, Groups, and Service Accounts
- Understanding Resource Hierarchy and Policy Inheritance

06 Module 6: Monitoring, Logging, and Billing Basics

- Cloud Monitoring fundamentals (formerly Stackdriver)
- Cloud Logging overview for operations
- Understanding GCP Billing and Cost Management concepts

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Associate Cloud Engineer**
- > **Cloud Operations Specialist**
- > **Entry-Level Solutions Architect**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for someone considering this "Google Cloud Fundamentals Core Infrastructure" course?

While this course covers fundamentals, a basic understanding of IT concepts such as operating systems, networking (TCP/IP), and server administration is highly recommended. Familiarity with command-line interfaces can also be beneficial, though not strictly required, as the course focuses on core GCP concepts and console navigation.

Q: What specific practical skills will I gain by completing this 2-hour Google Cloud Fundamentals Core Infrastructure course?

Upon completion, you will be able to navigate the Google Cloud Console, understand the purpose and basic operation of core services like Compute Engine, Cloud Storage, and VPC networks. You'll learn how to assign basic IAM roles, identify different storage options, and grasp the foundational elements necessary to deploy and manage simple resources within a GCP environment.

Q: How does this specific "Google Cloud Fundamentals Core Infrastructure" course prepare me for the Google Associate Cloud Engineer certification?

This course serves as an excellent starting point and foundational pillar for the Google Associate Cloud Engineer certification. It covers many of the core infrastructure concepts tested in the exam, including compute, storage, networking, and IAM fundamentals. While not a complete exam prep, it provides the essential knowledge base upon which you can build with further study and hands-on practice specific to the certification objectives.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

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READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke