



GOOGLE CLOUD TRAINING

Google Cloud Architect Certification Gcp

Design and implement robust, scalable solutions on Google Cloud Platform. Achieve your GCP Cloud Architect certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Google Cloud Architect Certification Gcp course is designed to empower IT professionals with the expertise needed to design, develop, and manage robust, secure, scalable, highly available, and dynamic solutions on Google Cloud Platform. This program dives deep into core GCP technologies such as Compute Engine, Google Kubernetes Engine (GKE), Cloud Storage, Virtual Private Cloud (VPC) networking, BigQuery, Cloud SQL, Identity and Access Management (IAM), and advanced monitoring tools like Cloud Monitoring and Logging. Participants will gain practical experience in architecting solutions that meet complex business requirements, focusing on operational excellence, cost optimization, and security best practices.

Duration	2 hours
Level	Intermediate
Vendor	Google Cloud

COURSE CURRICULUM

01 Module 1: Designing and Planning a Cloud Solution Architecture

- Gathering business and technical requirements
- Designing for reliability and high availability
- Implementing scalability and flexibility in solutions
- Planning for security, compliance, and governance
- Strategies for cost optimization and resource efficiency

02 Module 2: Managing and Provisioning Cloud Infrastructure

- Configuring Virtual Private Cloud (VPC) networks and subnets
- Deploying and managing Compute Engine instances and Managed Instance Groups
- Orchestrating containers with Google Kubernetes Engine (GKE)
- Implementing various storage solutions: Cloud Storage, Cloud SQL, Firestore
- Automating infrastructure deployment with Deployment Manager and Terraform

03 Module 3: Designing for Security and Compliance on GCP

- Implementing Identity and Access Management (IAM) best practices
- Configuring network security policies: firewalls, VPNs, Cloud Armor
- Managing secrets and sensitive data with Secret Manager
- Implementing data encryption strategies at rest and in transit
- Ensuring regulatory compliance and auditing with Cloud Audit Logs

04 Module 4: Designing for Data Solutions and Analytics

- Choosing appropriate data storage solutions (relational, NoSQL, data warehousing)
- Designing big data processing pipelines with Dataflow and Dataproc
- Implementing real-time analytics with BigQuery
- Integrating machine learning services (AI Platform, AutoML)
- Data migration strategies to Google Cloud

05 Module 5: Optimizing Operations and Cost Management

- Implementing continuous integration and deployment (CI/CD) pipelines
- Monitoring and logging with Cloud Monitoring and Cloud Logging
- Troubleshooting and debugging cloud deployments

- Strategies for operational efficiency and automation
- Cost optimization techniques and resource management

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Google Cloud Solutions Architect**
- > **Cloud Infrastructure Engineer (GCP Specialist)**
- > **DevOps Engineer with Google Cloud Focus**

FREQUENTLY ASKED QUESTIONS

Q: How will this Google Cloud Architect certification prepare me to design robust multi-region architectures with disaster recovery capabilities?

This course extensively covers GCP's global network, regions, and zones, teaching you to leverage services like global load balancers, Managed Instance Groups, Cloud DNS, and Cloud Spanner for geo-distributed, highly available, and fault-tolerant application deployments. You will learn to architect solutions that maintain business continuity even during regional outages.

Q: What are the recommended prerequisites or foundational knowledge needed before enrolling in the Google Cloud Architect Certification Gcp course?

While there are no strict official prerequisites, it is highly recommended to have a solid understanding of fundamental networking concepts, Linux command-line tools, and practical experience with core GCP services. Candidates who have completed the Google Cloud Associate Cloud Engineer certification or possess equivalent hands-on experience will find this course more beneficial and easier to navigate.

Q: Beyond infrastructure, what skills will I gain to help modernize existing applications or deploy serverless solutions on GCP?

This course equips you with the architectural insights to modernize legacy applications by containerizing them with GKE or migrating them to serverless platforms like Cloud Run and Cloud Functions. You will learn to design event-driven architectures, integrate with managed services like Cloud Pub/Sub and Firestore, and build scalable, cost-efficient, modern applications leveraging GCP's extensive serverless ecosystem.

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

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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