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# GCP Cloud Digital Leader Certification Training

2 days (14 hours)

## Overview

Google Cloud enables you to run enterprise solutions in a reproducible and secure manner, without relying on rigid physical infrastructure. This certification is ideal for developing a strategic vision for digital pipelines, securing data, and facilitating the deployment of innovation within organizations.

This training aims to make your strategic workflows portable: understanding solution blueprints, executing decisions in cloud environments, and managing business dependencies. You will learn to choose between different models (IaaS, PaaS, SaaS) and build your own “recipes” for digital transformation. The goal is to give you the tools to communicate effectively with technical teams while maintaining control over your business objectives.

The approach is 100% hands-on: it alternates between guided workshops, execution demos on the console, and troubleshooting common errors, particularly regarding permissions and cost management. Deliverables include a best-practices checklist for cloud management and summary sheets to integrate Google Cloud into your strategic management scripts. This hands-on immersion ensures you're fully prepared for the Cloud Digital Leader exam.

## Objectives

- Understand the fundamental concepts of cloud computing and the Google Cloud model (terminology, benefits, IaaS/PaaS/SaaS models)
- Identify Google Cloud products and solutions and their role in the digital transformation of organizations
- Explain how cloud technology and data can drive innovation within a company
- Understand infrastructure and application modernization using Google Cloud.
- Understand the principles of trust, security, and operations in the cloud, including financial governance and cloud cost management
- Be prepared to take the Cloud Digital Leader certification

## Target Audience

- Business leaders new to the cloud, future cloud managers within companies

## Prerequisites

- Be familiar with your organization's products, services, and industry
- No technical knowledge is required

## Technical prerequisites

- An i5 processor or equivalent with 8 GB of RAM
- Up-to-date Google Chrome
- Stable internet connection
- Active Google account

# Google Cloud Digital Leader Certification Training Program

[Day 1 - Morning]

## Cloud Fundamentals and Business Value

- Key Concepts: Understanding agility, scalability, and the shared responsibility model
- Economic Models: Transition from Capex (capital expenditure) to OpEx (operating expenditure) and economies of scale
- The Google Cloud: Global Infrastructure, Sustainability (Green IT), and Sovereignty
- Identifying the main challenges of cloud adoption for organizations
- Hands-on Workshop: Quick Audit of an Existing Project: Expected Benefits vs. Adoption Complexity

[Day 1 - Afternoon]

## Infrastructure and Application Modernization

- Computing and Networking: Choosing Between Virtual Machines, Containers, or Serverless
- Migration Strategies: The "7 R's" of migration (Rehost, Replatform, Refactor...)
- Cloud Culture: Introduction to DevOps and SRE concepts to accelerate innovation
- Comparing Managed Solutions and Traditional Infrastructure Services
- Hands-on Workshop: Technology Selection Simulation for a Mission-Critical Business Application

[Day 2 - Morning]

## Data, Artificial Intelligence, and Innovation

- Data Strategy: Object Storage, Relational Databases, and BigQuery
- Innovation through AI: Overview of Machine Learning and Generative AI solutions on Google Cloud
- Value Creation: Transforming Raw Data into Strategic Decision-Making Tools
- Understanding the Role of Data in the Digital Transformation of Businesses
- Hands-on Workshop: Case Study on Modernizing a Customer Process Using AI

[Day 2 - Afternoon]

## Security, Governance, and Exam Success

- Security and Trust: Identity Management (IAM), Data Protection, and Compliance
- FinOps: Mastering Cost Management, Budgets, and Cloud Alerts
- Certification Preparation: Review of exam topics and response methodology
- Adopting Best Practices for Communicating with Technical and Security Teams
- Hands-on Workshop: Timed mock exam and detailed review of key points.

## Target Audience

This training is designed for both individuals and companies—large or small—seeking to train their teams in new advanced IT technologies or to acquire specific industry knowledge or modern methodologies.

## Entry-Level Assessment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

## Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

## Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

## Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

# Certification

A certificate will be issued to each trainee who has completed the entire training program.