

Cloud Digital Leader

If you're wondering how the cloud can transform your business, then the Cloud Digital Leader training is for you. Designed to give you foundational knowledge about cloud technology, data, artificial intelligence, and Google Cloud products that enable digital transformation, CDL can empower you and your team(s) to contribute to cloud-related business initiatives in your organization.

Whether you're an experienced leader or new to the cloud, CDL equips you with the tools and confidence to make a real difference.

**DURATION**

2 days

**LEVEL**

100 - Introductory

**FORMAT**

Instructor-led

**SCALABLE**

1-16, scaled to 1000

What you'll learn

- How to identify Google Cloud products and solutions that support digital transformation.
- How cloud technology and data can be used to innovate within organizations.
- Ways organizations can innovate using Google Cloud's artificial intelligence and machine learning solutions.
- Options for infrastructure and application modernization with Google Cloud.
- The fundamentals of cloud security, Google's trusted infrastructure.
- How to optimize cloud costs and achieve operational excellence with Google Cloud.

Overview	6 modules classroom activities
Who this course is for	Traditional enterprise business decision makers, all management levels leading product, projects, programs, operations, line of business, finance, people management, sales, marketing, and client management interested in how Google Cloud can support their business transformation, and individuals reasonably new to cloud technology.
Products	- Gemini Enterprise - BigQuery Studio - Google Cloud Observability - Google Cloud
Prerequisites	- Knowledgeable about your own business products, services, and industry. - No prior technical knowledge is required.

Module 01

Digital Transformation with Google Cloud

Topics	- Why cloud technology is transforming business - Fundamental cloud concepts - Cloud computing models and shared responsibility
Objectives	- Explain why and how the cloud is revolutionizing businesses. - Explain general cloud concepts. - Discuss the benefits and tradeoffs of using infrastructure as a service (IaaS); platform as a service (PaaS); and software as a service (SaaS).

Module 02

Exploring Data Transformation with Google Cloud

Topics

- The value of data
- Google Cloud data management solutions
- Making data useful and accessible

Objectives

- Describe the intrinsic role that data plays in an organization's digital transformation.
- Determine which Google Cloud data management products are applicable to different business use cases.
- Discuss how smart analytics, business intelligence tools, and streaming analytics can add value in different business use cases.

Module 03

Innovating with Google Cloud Artificial Intelligence

Topics

- AI and ML fundamentals
- Google Cloud's AI and ML solutions

Objectives

- Discuss the main AI and ML concepts, and explain how ML can create business value.
 - Discuss the range of Google Cloud AI and ML solutions and products available, and how to select the most appropriate solution for different business use cases.
 - Explain how Google Cloud's pre-trained API, AutoML, and custom AI/ML products can create business value.
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Module 04

Modernize Infrastructure and Applications with Google Cloud

Topics	• Important cloud migration terms • Modernizing infrastructure in the cloud • Modernizing applications in the cloud
Objectives	• Explain why modernization and migration to the cloud are important steps in an organization's transformation journey, and how each application might have a different path. • Discuss the options for and advantages of running compute workloads in the cloud. • Discuss the advantages of using containers in application modernization. • Discuss the advantages of serverless computing in application modernization. • Explain the business value of application programming interfaces (APIs). • Discuss the business reasons for choosing hybrid or multi-cloud strategies and how GKE Enterprise enables these strategies.

Module 05

Trust and Security with Google Cloud

Topics	• Trust and security in the cloud • Google's trusted infrastructure • Google Cloud's trust principles and compliance
Objectives	• Discuss fundamental cloud security concepts. • Explain the business value of Google's defense-in-depth multilayered approach to infrastructure security. • Describe how Google Cloud earns and maintains customer trust in the cloud.

Module 06

Scaling with Google Cloud Operations

Topics

- Financial governance and managing cloud costs
- Operational excellence and reliability at scale
- Sustainability with Google Cloud

Objectives

- Discuss how Google Cloud supports an organization's financial governance and ability to control their cloud costs.
- Discuss the fundamental concepts of modern operations, reliability, and resilience in the cloud.
- Discuss how Google Cloud helps organizations meet sustainability goals and reduce environmental impact.