



# Google GCP-CDL

**Google Cloud Digital Leader Certification  
Questions & Answers**

Get Instant Access to Vital  
Exam Acing Materials |  
Study Guide | Sample  
Questions | Practice Test

**GCP-CDL**

**[Google Cloud Platform - Cloud Digital Leader \(GCP-CDL\)](#)**

**50-60 Questions Exam – 70% Cut Score – Duration of 90 minutes**



## Table of Contents:

Discover More about the GCP-CDL Certification .....	2
Google GCP-CDL Cloud Digital Leader Certification Details: .....	2
GCP-CDL Syllabus:.....	3
<b>Digital Transformation with Google Cloud (~17% of the exam) .....</b>	<b>3</b>
<b>Exploring Data Transformation with Google Cloud (~16% of the exam)     .....</b>	<b>5</b>
<b>Innovating with Google Cloud Artificial Intelligence (~16% of the     exam) .....</b>	<b>6</b>
<b>Modernize Infrastructure and Applications with Google Cloud (~17%     of the exam) .....</b>	<b>8</b>
<b>Trust and Security with Google Cloud (~17% of the exam) .....</b>	<b>10</b>
<b>Scaling with Google Cloud Operations (~17% of the exam) .....</b>	<b>11</b>
Broaden Your Knowledge with Google GCP-CDL Sample Questions: .....	13
Avail the Study Guide to Pass Google GCP-CDL Cloud Digital Leader Exam: .....	16
Career Benefits: .....	16

## Discover More about the GCP-CDL Certification

Are you interested in passing the Google GCP-CDL exam? First discover, who benefits from the GCP-CDL certification. The GCP-CDL is suitable for a candidate if he wants to learn about Foundational. Passing the GCP-CDL exam earns you the Google Cloud Platform - Cloud Digital Leader (GCP-CDL) title.

While preparing for the GCP-CDL exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The GCP-CDL PDF contains some of the most valuable preparation tips and the details and instant access to useful GCP-CDL study materials [just at one click](#).

## Google GCP-CDL Cloud Digital Leader Certification Details:

<b>Exam Name</b>	Google Cloud Digital Leader (GCP-CDL)
<b>Exam Code</b>	GCP-CDL
<b>Exam Price</b>	\$99 USD
<b>Duration</b>	90 minutes
<b>Number of Questions</b>	50-60
<b>Passing Score</b>	Pass / Fail (Approx 70%)
<b>Recommended Training / Books</b>	<a href="#">Google Cloud training</a> <a href="#">Google Cloud documentation</a> <a href="#">Google Cloud solutions</a>
<b>Schedule Exam</b>	<a href="#">Google Cloud Webassessor</a>
<b>Sample Questions</b>	<a href="#">Google GCP-CDL Sample Questions</a>
<b>Recommended Practice</b>	<a href="#">Google Cloud Platform - Cloud Digital Leader (GCP-CDL) Practice Test</a>

# GCP-CDL Syllabus:

Objectives	Topic
<p><b>Digital Transformation with Google Cloud (~17% of the exam)</b></p>	
<p><b>Why Cloud Technology is Transforming Business</b></p>	<p>- Explain why and how the cloud is revolutionizing businesses.</p> <ul style="list-style-type: none"> <li>• Define the terms: cloud, cloud technology, data, digital transformation, cloud-native, open source, open standard.</li> <li>• Describe the differences between cloud technology and traditional or on-premises technology.</li> <li>• Explain the benefits of cloud technology to a business’ digital transformation: this technology is scalable, flexible, agile, secure, cost-effective and offers strategic value.</li> <li>• Describe the primary benefits of on-premises infrastructure, public cloud, private cloud, hybrid cloud, and multicloud and differentiate between them.</li> <li>• Describe the main business transformation benefits of Google Cloud: intelligence, freedom, collaboration, trust, and sustainability.</li> <li>• Describe the implications and risks for organizations that do not adopt new technology.</li> <li>• Describe the drivers and challenges that lead organizations to undergo a digital transformation.</li> <li>• Describe the transformation cloud and how it accelerates an organization’s digital transformation through app and infrastructure modernization, data democratization, people connections, and trusted transactions.</li> </ul>
<p><b>Fundamental Cloud Concepts</b></p>	<p>- Explain general cloud concepts.</p>

Objectives	Topic
	<ul style="list-style-type: none"> <li>• Describe how transitioning to a cloud infrastructure affects flexibility, scalability, reliability, elasticity, agility, and total cost of ownership (TCO). Apply these concepts to various business use cases.</li> <li>• Explain how an organization’s transition from an on-premises environment to the cloud shifts their capital expenditures (CapEx) to operational expenditures (OpEx), and how that affects their total cost of ownership (TCO).</li> <li>• Identify when private, hybrid, or multicloud infrastructures best apply to different business use cases.</li> <li>• Define basic network infrastructure terminology, including: IP address; internet service provider (ISP); domain name server (DNS), regions, and zones; fiber optics; subsea cables; network edge data centers, latency; and bandwidth.</li> <li>• Discuss how Google Cloud supports digital transformation with global infrastructure and data centers connected by a fast, reliable network.</li> </ul>
<b>Cloud Computing Models and Shared Responsibility</b>	<ul style="list-style-type: none"> <li>- Discuss the benefits and tradeoffs of using infrastructure as a service (IaaS); platform as a service (PaaS); and software as a service (SaaS).</li> <li>• Define IaaS, PaaS, and SaaS.</li> <li>• Compare and contrast the benefits and tradeoffs of IaaS, PaaS, and SaaS including total cost of ownership (TCO), flexibility, shared responsibilities, management level, and necessary staffing and technical expertise.</li> <li>• Determine which computing model (IaaS, PaaS, SaaS) applies to various business scenarios and use cases.</li> <li>• Describe the cloud shared responsibility model.</li> </ul>

Objectives	Topic
	<p>Compare which responsibilities are the cloud provider's, and which responsibilities are the customer's for on-premises and cloud computing models (IaaS, PaaS, SaaS).</p>
<b>Exploring Data Transformation with Google Cloud (~16% of the exam)</b>	
<b>The Value of Data</b>	<p>- Describe the intrinsic role that data plays in an organizations' digital transformation.</p> <ul style="list-style-type: none"> <li>• Explain how data generates business insights, drives decision making, and creates new value.</li> <li>• Differentiate between basic data management concepts, in particular: databases; data warehouses; data lakes.</li> <li>• Explain how organizations can create value by using their current data, collecting new data, and sourcing data externally.</li> <li>• Describe how the cloud unlocks business value from all types of data, including structured data and previously untapped unstructured data.</li> <li>• Discuss the main data value chain concepts and terms.</li> <li>• Explain how data governance is essential to a successful data journey.</li> </ul>
<b>Google Cloud Data Management Solutions</b>	<p>- Determine which Google Cloud data management products are applicable to different business use cases.</p> <ul style="list-style-type: none"> <li>• Differentiate between Google Cloud data management options including data type and common business use case, including: Cloud Storage; Cloud Spanner; Cloud SQL; Cloud Bigtable; BigQuery; Firestore.</li> <li>• Define key data management concepts and terms,</li> </ul>

Objectives	Topic
	<p>including: relational; non-relational; object storage; structured query language (SQL); NoSQL.</p> <ul style="list-style-type: none"> <li>Describe the benefits of using BigQuery as a serverless, managed data warehouse and analytics engine that can be used in a multicloud environment.</li> <li>Differentiate between storage classes in Cloud Storage regarding cost and frequency of access, including: Standard; Nearline; Coldline; Archive.</li> <li>Describe the ways that an organization can migrate or modernize their current database in the cloud.</li> </ul>
<b>Making Data Useful and Accessible</b>	<p>- Discuss how smart analytics, business intelligence tools, and streaming analytics can add value in different business use cases.</p> <ul style="list-style-type: none"> <li>Describe how Looker democratizes access to data by empowering individuals to self-serve business intelligence and create insights.</li> <li>Discuss the value of analyzing and visualizing data from BigQuery in Looker to create real time reports, dashboards, and integrating data into workflows.</li> <li>Describe how streaming analytics in real time makes data more useful and generates business value.</li> <li>Describe the main Google Cloud products that modernize data pipelines, including Pub/Sub and Dataflow.</li> </ul>
<b>Innovating with Google Cloud Artificial Intelligence (~16% of the exam)</b>	
<b>AI and ML Fundamentals</b>	<p>- Discuss the main AI and ML concepts, and explain how ML can create business value.</p> <ul style="list-style-type: none"> <li>Define artificial intelligence (AI) and machine learning</li> </ul>

Objectives	Topic
	<p>(ML).</p> <ul style="list-style-type: none"> <li>• Differentiate the capabilities of AI and ML from data analytics and business intelligence.</li> <li>• Discuss the types of problems that ML can solve.</li> <li>• Explain the business value ML creates, including: ability to work with large datasets; scaling business decisions; and unlocking unstructured data.</li> <li>• Explain why high-quality, accurate data is essential for successful ML models.</li> <li>• Discuss the importance of explainable and responsible AI</li> </ul>
<b>Google Cloud’s AI and ML solutions</b>	<p>- 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.</p> <ul style="list-style-type: none"> <li>• Explain which decisions and tradeoffs organizations need to consider when selecting Google Cloud AI/ML solutions and products, including: speed; effort; differentiation; required expertise.</li> <li>• Discuss which Google Cloud AI and ML solutions and products might apply given different business use cases, including: pre-trained APIs; AutoML; build custom models.</li> </ul>
<b>Building and using Google Cloud AI and ML solutions</b>	<p>- Explain how Google Cloud’s pre-trained API, AutoML, and custom AI/ML products can create business value.</p> <ul style="list-style-type: none"> <li>• Discuss how BigQuery ML lets users create and execute machine learning models in BigQuery by using standard SQL queries.</li> <li>• Select which Google Cloud pre-trained API best applies to different business use cases, including: Natural Language API, Vision API, Cloud Translation API,</li> </ul>

Objectives	Topic
	<p>Speech-to-Text API, and Text-to-Speech API.</p> <ul style="list-style-type: none"> <li>• Explain how an organization can create business value by using their own data to train custom ML models with AutoML.</li> <li>• Discuss how building custom models by using Google Cloud’s Vertex AI can create opportunities for business differentiation.</li> <li>• Recognize TensorFlow as an end-to-end open source set of tools for building and training machine learning models and that Cloud Tensor Processing Unit (TPU) is Google’s proprietary hardware optimized for TensorFlow and ML performance.</li> </ul>
<p><b>Modernize Infrastructure and Applications with Google Cloud (~17% of the exam)</b></p>	
<p><b>Cloud modernization and migration</b></p>	<p>- 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.</p> <ul style="list-style-type: none"> <li>• Discuss benefits of infrastructure modernization and application modernization by using Google Cloud.</li> <li>• Define the main cloud migration terms, including: workload; retire; retain; rehost; lift and shift; replatform; move and improve; refactor; reimagine.</li> </ul>
<p><b>Computing in the cloud</b></p>	<p>- Discuss the options for and advantages of running compute workloads in the cloud.</p> <ul style="list-style-type: none"> <li>• Define the main cloud compute terms, including: virtual machines (VMs); containerization; containers; microservices; serverless computing; preemptible VMs; Kubernetes, autoscaling, load balancing.</li> <li>• Describe the benefits and business value of running compute workloads in the cloud.</li> </ul>

Objectives	Topic
	<ul style="list-style-type: none"> <li>• Explain the choices and constraints between different compute options.</li> <li>• Discuss the business value of using Compute Engine to create and run virtual machines on Google’s infrastructure.</li> <li>• Discuss the business value of choosing a rehost migration path for specialized legacy applications.</li> </ul>
<b>Serverless computing</b>	<p>- Discuss the advantages of serverless computing in application modernization.</p> <ul style="list-style-type: none"> <li>• Explain the benefits of serverless computing.</li> <li>• Discuss the business value of using serverless computing Google Cloud products, including: Cloud Run; App Engine; Cloud Functions.</li> </ul>
<b>Containers in the cloud</b>	<p>- Discuss the advantages of using containers in application modernization.</p> <ul style="list-style-type: none"> <li>• Discuss the advantages of modern cloud application development.</li> <li>• Differentiate between virtual machines and containers.</li> <li>• Discuss the main benefits of containers and microservices for application modernization.</li> <li>• Discuss the business value of using Google Cloud products to deploy containers, including: Google Kubernetes Engine (GKE); Cloud Run.</li> </ul>
<b>The value of APIs</b>	<p>- Explain the business value of application programming interfaces (APIs).</p> <ul style="list-style-type: none"> <li>• Define application programming interface (API).</li> <li>• Explain how organizations can create new business opportunities by exposing and monetizing public-facing APIs.</li> </ul>

Objectives	Topic
	<ul style="list-style-type: none"> <li>• Discuss the business value of using Apigee API Management.</li> </ul>
<b>Hybrid and multi-cloud</b>	<p>- Discuss the business reasons for choosing hybrid or multi-cloud strategies and how Anthos enables these strategies.</p> <ul style="list-style-type: none"> <li>• Discuss the reasons and use cases for why organizations choose a hybrid cloud or multi cloud strategy.</li> <li>• Describe the business value of using Anthos as a single control panel for the management of hybrid or multicloud infrastructure.</li> </ul>
<b>Trust and Security with Google Cloud (~17% of the exam)</b>	
<b>Trust and security in the cloud</b>	<p>- Discuss fundamental cloud security concepts.</p> <ul style="list-style-type: none"> <li>• Describe today’s top cybersecurity threats and business implications.</li> <li>• Differentiate between cloud security and traditional on-premises security.</li> <li>• Describe the importance of control, compliance, confidentiality, integrity, and availability in a cloud security model.</li> <li>• Define key security terms and concepts.</li> </ul>
<b>Google’s trusted infrastructure</b>	<p>- Explain the business value of Google’s defense-in-depth multilayered approach to infrastructure security.</p> <ul style="list-style-type: none"> <li>• Describe the benefits of Google designing and building its own data centers, using purpose built servers, networking, and custom security hardware / software.</li> <li>• Describe the role of encryption in securing an organization’s data and the ways that it can protect data exposed to risks in different states.</li> <li>• Differentiate between authentication, authorization,</li> </ul>

Objectives	Topic
	<p>and auditing.</p> <ul style="list-style-type: none"> <li>Describe the benefits of using two-step verification (2SV) and IAM.</li> <li>Describe how an organization can protect against network attacks using Google products, including distributed denial-of-service (DDoS) using Google Cloud Armor.</li> <li>Define Security Operations (SecOps) in the cloud and describe its business benefits.</li> </ul>
<b>Google Cloud's trust principles and compliance</b>	<p>- Describe how Google Cloud earns and maintains customer trust in the cloud.</p> <ul style="list-style-type: none"> <li>Discuss how Google Cloud's trust principles are a commitment to our shared responsibility for protecting and managing an organization's data in the cloud.</li> <li>Describe how sharing transparency reports and undergoing independent third-party audits support customer trust inGoogle.</li> <li>Describe why data sovereignty and data residency may be requirements and how Google Cloud offers organizations the ability to control where their data is stored.</li> <li>Describe how Google Cloud compliance resource center and Compliance Reports Manager support industry and regional compliance needs.</li> </ul>
<b>Scaling with Google Cloud Operations (~17% of the exam)</b>	
<b>Financial governance and managing cloud costs</b>	<p>- Discuss how Google Cloud supports an organization's financial governance and ability to control their cloud costs.</p> <ul style="list-style-type: none"> <li>Discuss how using cloud financial governance best practices provides predictability and control for cloud resources.</li> </ul>

Objectives	Topic
	<ul style="list-style-type: none"> <li>• Define important cloud cost-management terms and concepts.</li> <li>• Discuss the benefits of using the resource hierarchy to control access.</li> <li>• Describe the benefit of controlling cloud consumption using resource quota policies and budget threshold rules.</li> <li>• Discuss how organizations can visualize their cost data by using Cloud Billing Reports.</li> </ul>
<b>Operational excellence and reliability at scale</b>	<p>- Discuss the fundamental concepts of modern operations, reliability, and resilience in the cloud.</p> <ul style="list-style-type: none"> <li>• Describe the benefits of modernizing operations by using Google Cloud.</li> <li>• Define important cloud operations terms.</li> <li>• Describe the importance of designing resilient, fault-tolerant, and scalable infrastructure and processes for high availability and disaster recovery.</li> <li>• Define key cloud reliability, DevOps, and SRE terms.</li> <li>• Describe how organizations benefit from using Google Cloud Customer Care to support their cloud adoption.</li> <li>• Describe the life of a support case during the Google Cloud Customer Care process.</li> </ul>
<b>Sustainability with Google Cloud</b>	<p>- Discuss how Google Cloud helps organizations meet sustainability goals and reduce environmental impact.</p> <ul style="list-style-type: none"> <li>• Describe Google Cloud’s commitment to sustainability and reducing environmental impact.</li> <li>• Discuss how Google Cloud provides products to support organizations’ sustainability goals.</li> </ul>

# Broaden Your Knowledge with Google GCP-CDL Sample Questions:

## Question: 1

What issues can arise when organizations integrate third-party systems into their cloud infrastructure?

- a) Third-party systems may not be powerful enough to run many critical business applications.
- b) Third-party systems are less capable of addressing an organization's security requirements.
- c) Over-reliance on third-party systems limits an organization's potential for innovation
- d) Without sufficient security measures and regular checks, unsecured third-party systems can pose a threat to data security.

**Answer: d**

## Question: 2

An organization wants to search for and share plug-and-play AI components which can easily build ML services into their project. Which Google Cloud product should the organization use?

- a) Recommendations AI
- b) Document AI
- c) AI Hub
- d) Cloud Talent Solution

**Answer: c**

## Question: 3

An organization wants to evaluate the performance of their entire cloud infrastructure, including metrics like server uptime and response rate reports.

Which Google Cloud tool should the organization use?

- a) Cloud Monitoring
- b) Cloud Debugger
- c) Cloud Trace
- d) Cloud Profiler

**Answer: a**

**Question: 4**

A retail store has discovered a cost-effective solution for creating self-service kiosks. They can use existing check-out hardware and purchase a virtual customer service application. Why do they also need an API?

- a) To connect the new application with the legacy system.
- b) To migrate all customer data for disaster recovery.
- c) To update the check-out hardware remotely.
- d) To connect the check-out hardware to the public cloud.

**Answer: a**

**Question: 5**

A large organization is struggling to manage their cloud costs effectively. They want to increase visibility into cloud costs. Which cost management approach should the organization use?

- a) Appoint a single person to monitor cloud spending across the organization.
- b) Review any cloud spending that exceeds the organization's error budget.
- c) Increase monitoring of on-premises infrastructure and services.
- d) Establish a partnership between finance, technology, and business teams.

**Answer: d**

**Question: 6**

A bank wants to track the success of their existing ATM network, which has been modernized with APIs to instantly notify customers about their transfers.

What is the benefit of using Apigee to achieve this goal?

- a) It allows developers to connect the banking APIs with the public cloud.
- b) It measures and tracks their total cost of ownership (TCO).
- c) It has dashboards that chart dimensions and metrics to report on APIs.
- d) It replicates banking APIs to create new business value.

**Answer: c**

**Question: 7**

How does a least privilege resource access model contribute to cloud security?

- a) Only managers and other senior employees have cloud resource access.
- b) Employees may only access on-premises software with special permission.
- c) Employees only have access to the cloud resources necessary for their job.
- d) Google is responsible for determining access to cloud resources.

**Answer: c**

**Question: 8**

An organization wants to scale their existing virtual machine architecture as quickly as possible. Why should the organization use VMware Engine?

- a) To migrate virtual machines to containers.
- b) To replatform virtual machines as they are.
- c) To deploy custom APIs seamlessly.
- d) To archive virtual machine instances.

**Answer: b**

**Question: 9**

An organization has completely migrated all their infrastructure to the cloud to benefit from its agility. Now they want to innovate faster and achieve a higher return on investment. What should the organization do?

- a) Lower their service level objective (SLO).
- b) Modernize their applications.
- c) Manually provision all cloud infrastructure for increased control.
- d) Move to a hybrid architecture with some of their infrastructure on-premises.

**Answer: b**

**Question: 10**

A video game organization has invested in cloud technology to generate insights from user behaviors. They want to ensure recommendations of games are aligned to players' interests.

What may have prompted this business decision?

- a) Customers expect a personalized experience.
- b) Employees expect source code changes to be deployed faster.
- c) Employees expect more predictable data management spending.
- d) Customers expect faster time to market for games.

**Answer: a**

## Avail the Study Guide to Pass Google GCP-CDL Cloud Digital Leader Exam:

- Find out about the GCP-CDL syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [GCP-CDL syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the GCP-CDL training. Joining the Google provided training for GCP-CDL exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [GCP-CDL sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. GCP-CDL practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

- Passing the GCP-CDL exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

## Here Is the Trusted Practice Test for the GCP-CDL Certification

VMExam.Com is here with all the necessary details regarding the GCP-CDL exam. We provide authentic practice tests for the GCP-CDL exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the [GCP-CDL practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Google Cloud Platform - Cloud Digital Leader (GCP-CDL).

**Start Online practice of GCP-CDL Exam by visiting URL**

<https://www.vmexam.com/google/gcp-cdl-google-cloud-digital-leader>