

# Google Cloud Digital Leader

## Structured technical training and certification preparation

A practical, student-friendly outline covering google Cloud Digital Leader Course Overview, general Cloud Knowledge, general Google Cloud Knowledge, goo...

### MODULES

5

### LESSONS

80

### FORMAT

Self-paced

## Module Breakdown

### MODULE 1

#### Google Cloud Digital Leader Course Overview

- 1.0 About Google Cloud Digital Leader
- 1.1 Course and Instructor Intro
- 1.2 Course PreReqs
- 1.3 GCP Certification Overview
- 1.4 GCP Digital Leader Exam Objectives

### MODULE 2

#### General Cloud Knowledge

- 2.0 General Cloud Knowledge
- 2.1 Domain Objectives
- 2.2 Intro to Cloud Computing
- 2.3 Essential Characteristics of Cloud Computing
- 2.4 Service Models
- 2.5 Deployment Models
- 2.6 Multitenancy
- 2.7 Resiliency
- 2.8 Replication
- 2.9 Automation and Orchestration
- 2.10 Chargeback
- 2.11 Vendor Lockin
- 2.12 Cloud Standards
- 2.13 OpEx, CapEx
- 2.14 TCO-ROI
- 2.15 Business Enablers
- 2.16 Section Summary
- 2.17 Review Questions

## Module Breakdown (continued)

<p><b>MODULE 3</b></p> <p><b>General Google Cloud Knowledge</b></p> <ul style="list-style-type: none"> <li>3.0 General GCP Knowledge</li> <li>3.1 Domain Objectives</li> <li>3.2 GCP Overview</li> <li>3.3 Cloud Infrastructure</li> <li>3.4 Cloud Hierarchy</li> <li>3.5 Project Demo</li> <li>3.6 Whiteboard Hierarchy and Projects</li> <li>3.7 Service Options</li> <li>3.8 Demo - Services Overview</li> <li>3.9 Pricing Calculator</li> <li>3.10 Demo - Pricing Calculator</li> <li>3.11 Billing models and Discounts</li> <li>3.12 Demo Billing</li> <li>3.13 Compliance Resources</li> <li>3.14 Demo - Compliance Reports Manager</li> <li>3.15 Support Options</li> <li>3.16 Service Level Agreement (SLA)</li> <li>3.17 Google Cloud Framework and Maturity Model</li> </ul>	<p><b>MODULE 3</b></p> <p><b>General Google Cloud Knowledge (continued)</b></p> <ul style="list-style-type: none"> <li>3.18 Demo - Maturity Assessment</li> <li>3.19 Access to GCP</li> <li>3.20 Demo - GCP ACCESS</li> <li>3.21 Section Summary</li> <li>3.22 Review Questions</li> </ul>
<p><b>MODULE 4</b></p> <p><b>Google Cloud Products and Services</b></p> <ul style="list-style-type: none"> <li>4.0 Google Cloud Products and Services</li> <li>4.1 Domain Objectives</li> <li>4.2 Core Services</li> <li>4.3 Google Compute Engine, Google Cloud VMware Engine, and Bare Metal</li> <li>4.4 Compute Storage and Disk Options</li> <li>4.5 App Engine, Google Cloud Functions, and Cloud Run</li> <li>4.6 Google Kubernetes Engine</li> <li>4.7 Demo Compute Services</li> <li>4.8 Container registry</li> <li>4.9 Cost and Performance Tradeoffs of Scale To Zero</li> <li>4.10 Database Options - Cloud SQL, Cloud Spanner, Cloud Bigtable, BigQuery</li> <li>4.11 Demo - Database Offerings</li> <li>4.12 Vision API, AI Platform, TPUs</li> <li>4.13 Pre Trained Models</li> <li>4.14 Data Pipeline Offerings</li> <li>4.15 Data Ingestion Options</li> </ul>	<p><b>MODULE 4</b></p> <p><b>Google Cloud Products and Services (continued)</b></p> <ul style="list-style-type: none"> <li>4.16 Software Development Life Cycle (SDLC)</li> <li>4.17 Visibility and Alerting Offerings</li> <li>4.18 Identify Data Migration Options</li> <li>4.19 Compute VM Migration</li> <li>4.20 Whiteboard - Migrations</li> <li>4.21 Application Modernization</li> <li>4.22 Define Software-Defined WAN (SD-WAN)</li> <li>4.23 Connectivity Options</li> <li>4.24 Whiteboard - Connectivity</li> <li>4.25 IAM and Security</li> <li>4.26 Whiteboard Cloud Architecture</li> <li>4.27 Section Summary</li> <li>4.28 Review Questions</li> </ul>
<p><b>MODULE 5</b></p> <p><b>Google Cloud Digital Leader Course Closeout</b></p> <ul style="list-style-type: none"> <li>5.0 Google Cloud Digital Leader Course Closeout</li> <li>5.1 Course Review</li> <li>5.2 Resources</li> <li>5.3 Exam Overview</li> <li>5.4 Course Closeout</li> </ul>	