



# Preparing for the Google Cloud Professional Cloud Architect Exam

This course provides basic information about the Professional Cloud Architect certification exam, including sample questions. It's designed to eliminate any confusion or misunderstandings about the process and nature of the exam itself. You'll also explore additional training resources that can help you prepare for the exam.



## DURATION

1 Day ILT

1 Week on Coursera



## LEVEL

Advanced



## FORMAT

Blended

## What you'll learn

- Position the Professional Cloud Architect Certification
- Provide information, tips, and advice for taking the exam
- Review sample case studies
- Review each section of the exam covering highest-level concepts sufficient to build confidence in what is known by the candidate and indicate skill gaps/areas of study not known by the candidate
- Connect candidates to appropriate target learning



<b>Overview</b>	6 Modules · 44 Videos · 3 Labs
<b>Who this course is for</b>	Cloud professionals who intend to take the Professional Cloud Architect certification exam
<b>Products</b>	Associated topic areas
<b>Prerequisite</b>	<ul style="list-style-type: none"><li>• Knowledge and experience with GCP, equivalent to GCP Architecting Infrastructure</li><li>• Knowledge of cloud solutions, equivalent to GCP Design and Process</li><li>• Industry experience with cloud computing</li></ul>
<b>Not covered</b>	This course helps the learner to understand the exam and the case studies it will reference, but it is not a comprehensive preparation for taking the certification exam.

## Module 01 Understanding the Professional Cloud Architect Certification

<b>Objectives</b>	<p>Establish basic knowledge about the certification exam and eliminate any confusion or misunderstandings about the process and nature of the exam itself</p> <ul style="list-style-type: none"><li>• Position the Professional Cloud Architect certification among the offerings</li><li>• Distinguish between Associate and Professional</li><li>• Provide guidance between Professional Cloud Architect and Associate Cloud Engineer</li><li>• Describe how the exam is administered and the exam rules</li><li>• Provide general advice about taking the exam</li></ul>
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## Module 02 Sample Case Studies

<b>Objectives</b>	<p>In-depth review of the case studies provided for exam preparation</p> <ul style="list-style-type: none"><li>• MountKirk Games</li><li>• Dress4Win</li><li>• TerramEarth</li></ul>
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## Module 03 Designing and Implementing

<b>Objectives</b>	<p>Tips and examples covering design and implementation skills that could be tested on the exam</p> <ul style="list-style-type: none"><li>• Review the layered model from Design and Process</li></ul>
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- Objectives**
- Provide exam tips focused on business and technical design
  - Designing a solution infrastructure that meets business requirements
  - Designing a solution infrastructure that meets technical requirements
  - Design network, storage, and compute resources
  - Creating a migration plan
  - Envisioning future solution improvements
  - Resources for learning more about designing and planning
  - Configuring network topologies
  - Configuring individual storage systems
  - Configuring compute systems
  - Resources for learning more about managing and provisioning
  - Designing for security
  - Designing for legal compliance
  - Resources for learning more about security and compliance
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## Module 04    **Optimizing and Operating**

- Objectives**
- Tips and examples covering business processes, technical, optimization for security, performance, cost, and ongoing operations and reliability
- Analyzing and defining technical processes
  - Analyzing and defining business processes
  - Resources for learning more about analyzing and optimizing processes
  - Designing for security
  - Designing for legal compliance
  - Resources for learning more about security and compliance
  - Advising development/operation teams to ensure successful deployment of the solution
  - Resources for learning more about managing implementation
  - Easy buttons
  - Playbooks
  - Developing a resilient culture
  - Resources for learning more about ensuring reliability
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## Module 05    **Next Steps**

- Objectives**
- Highlight learning resources
- Present Qwiklabs Challenge Quest for the Professional CA
  - Identify Instructor Led Training courses and what they cover that will be helpful based on skills that might be on the exam



- Connect candidates to individual Qwiklabs, and to Coursera individual courses and specializations
- Review/feedback of course

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**Module 06**    **Sample Exam Questions**

**Topics**            Breakdown of topics covered

**Objectives**        Breakdown of module learning objectives

