

Preparing for the Professional Cloud Architect Examination

Overview

Students in this course will prepare for the Professional Cloud Architect Certification Exam. They will rehearse useful skills including exam question reasoning and case comprehension, tips and review of topics from the Infrastructure curriculum.

Prerequisite Comments

Cloud professionals who intend to take the Professional Cloud Architect certification exam Must have attended Architecting with GCP: Infrastructure course or equivalent on demand courses. Knowledge and experience with GCP, equivalent to GCP Architecting Infrastructure Knowledge of cloud solutions, equivalent to GCP Design and Process Industry experience with cloud computing

Target Audience

This course is intended for the following participants:
Cloud professionals who intend to take the Professional Cloud Architect certification exam.

Course Objectives

Candidates will be able to identify skill gaps and further areas of study. Candidates will also be directed to appropriate target learning resources.

Course Outline

1 - Understanding the Professional Cloud Architect Certification

Position the Professional Cloud Architect certification among the offerings
Distinguish between Associate and Professional
Provide guidance between Professional Cloud Architect and Associate Cloud Engineer
Describe how the exam is administered and the exam rules
Provide general advice about taking the exam

2 - Sample Case Studies

MountKirk Games
Dress4Win
TerramEarth

3 - Designing and Implementing

- Review the layered model from Design and Process
- 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

4 - Optimizing and Operating

- 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

5 - Next Steps

- 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