

# Preparing for Professional Cloud Architect Examination

## Module 1: Understanding the Professional Cloud Architect Certification

Establish basic knowledge about the certification exam and eliminate any confusion or misunderstandings about the process and nature of the exam itself.

### Topics covered:

- 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

## Module 2: Sample Case Studies

In-depth review of the Case Studies provided for exam preparation

### Topics covered:

- JencoMart
- MountKirk Games
- Dress4Win
- TerramEarth

## Module 3: Designing and Implementing

Tips and examples covering design and implementation skills that could be tested on the exam

### Topics covered:

- 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

#### **Module 4: Optimizing and Operating**

Tips and examples covering business processes, technical, optimization for security, performance, cost, and ongoing operations and reliability

##### **Topics covered:**

- 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

#### **Module 5: Next Steps**

Highlight learning resources

##### **Topics covered:**

- 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.