[sf=ir] Institute

Google Cloud │ GCPCERT-A

Preparing for the Professional Cloud Architect Examination

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Learning outcomes

- Position the Professional Cloud Architect Certification
- Provide information, tips, and advice on taking the exam
- Review the 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 if not known by the candidate
- Connect candidates to appropriate target learning.

Target audience

Cloud professionals who intend to take the Professional Cloud Architect certification exam.

Prerequisites

- Completed Architecting with Google Compute Engine or have equivalent experience
- Knowledge of cloud solutions, equivalent to GCP Design and Process
- Industry experience with cloud computing

Course Outline

MODULE 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

MODULE 2: SAMPLE CASE STUDIES

MountKirk Games
Dress4Win
TerramEarth

MODULE 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

MODULE 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

MODULE 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