

Module Title : Professional Cloud Administrator

Duration : 3 days

Overview

Certificate: CCC Professional Cloud Administrator (PCA)

Duration: 3 Days

Course Delivery: Classroom, Virtual Classroom, eBook

Accreditor: Cloud Credential Council

Language: English

Credits: None

The interaction between a cloud environment and the existing network/administrative policies is one of the most challenging management issues to resolve. This is the domain of cloud administrators. They configure and maintain the cloud platform—and have to understand and master all aspects regarding cloud provisioning.

The Cloud Provisioning and Administration course enables Network, Systems, and Database Administrators to effectively operate in the cloud. This 2-day training program provides a hands-on, practical approach to cloud provisioning for administrators and touches upon all the aspects of administering cloud services. The training covers best practices on cloud administration. It is supported by major vendor technology solutions and covers Open Source, as well as global vendor standards. This is a professional level course and relevant to professionals with at least 2-5 years of experience as an Administrator. The course prepares candidates for the Professional Cloud Administrator Certification (PCA).

Audience

The Cloud Administrator course will be of interest to:

(Primary Audience)

- Network Administrators
- Systems Administrators

(Database Administrator Secondary Audience)

- Service Desk Managers
- Senior Operators

Learning Objectives

Individuals certified at this level will have a demonstrated understanding of:

- Types of Cloud Environments: Cloud environment controls, hosting, ITO Outsourcing, CoLoc, Onshore, offshore versus cloud.
- Planning for cloud capacity: Policy management and third party management.
- Cloud Administration technology: Virtual networks, storage and computing, application management in the cloud.
- Security administration, compliance and certification.
- Cloud Provisioning: Capacity Management, Service Desk Management, cloud provisioning/ automation management.

Course Logistics

- Classroom – U-shaped setup preferred
- Whiteboard, flipchart, and projector
- Participants – maximum of 16, no minimum requirement

Note: Virtual Classroom Software is provided by ITpreneurs with virtual course delivery.

Prerequisites

There are no formal prerequisites. However, it is recommended that participants hold the Cloud Technology Associate Certification (or its equivalent) from the Cloud Credential Council and/or that participants are conversant with cloud concepts and vocabulary.

Participants receive a copy of the classroom presentation material and the course book. In addition, they also receive access to the ITpreneurs learning portal where additional reference material is available. The learning portal allows participants to stay in touch with the instructor and the other class participants for several months after the course. Most of the material is also accessible via tablets/computers.

Technical Requirements

For eBooks:

- Internet is required only for downloading the eBook. The eBooks can be read offline.
- Available on: Desktop, Laptop, Tablet, SmartPhone, eReader.

- Recommended PDF reader: [Adobe Reader](#).
- Instructions for download are available [here](#).

Examination

- The Professional Cloud Administrator certification is the most recognized/respected professional certification provided by the Cloud Credential Council (CCC). Professional certifications are awarded to candidates who have completed an approved certification-training program and have also completed one or more relevant technology training program(s)/certification(s).
- The process of providing the certificates to the candidates is operated by EXIN on behalf of CCC. In order to apply for certification, the candidate is required to provide evidence of having completed an approved training program, as well as certificates reflecting the completion of pre-approved technology training programs. After having cleared the PCA exam, the candidates can apply to the EXIN for PCA certification.

About the Exam

- Exam Format: Web based, Closed Book
- Question: 25 questions
- Pass score: 65%
- Duration: 75 minutes. For non-native speakers an additional 15 minutes is available.

Proctoring: Live or webcam

Agenda

Day 1	Day 2	Day 3
1. Course Introduction	4. Cloud Interoperability and Portability	7. Cloud Security Fundamentals
2. Cloud Resource Administration and Provisioning	5. Strategic Policy Design for Cloud Usage and Compliance	8. Federated Controls and Strategies for Multiple Cloud and Non-cloud Administration

3. Cloud Scalability and Elasticity Administration

6. Business Continuity Strategies and Disaster Recovery for Cloud

9. Performance Measures, Monitoring, and Optimization in Production