Professional Cloud Administrator (PCA)

Certificate:	Professional Cloud Administrator	**Course ID:**	CCC-PCA
Duration:	3 days (virtual) classroom	**Language:**	English
Course Delivery:	Classroom, Exam, eBook	**PMI® PDUs:**	24
Accreditor:	Cloud Credential Council		

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 Administrator course enables Network, Systems, and Database Administrators to effectively operate in the cloud. This 3-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, supported by many Vendor technology solutions, covering Open Source and major 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:
Primary audience:
- Network Administrators
- Database Administrators
- System Administrators

Secondary Audience
- Service Desk Managers
- Senior Operators

Learning Objectives:
At the end of this course, the participant will gain competencies in:
- Understand Cloud Provisioning and Administration
- Outline Disaster Recovery and Business Continuity strategies for Cloud
- Explain Performance Measures, Monitoring and Optimization in Production
- Understand Cloud Security Fundamentals
- Illustrate Federated controls and strategies for multiple cloud and non-cloud administration
- Understand Administration of Virtual Infrastructure Services
- Understand Administration of Virtual Platform Services
- Understand Administration of Virtual Software Services

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

Course Material:
Participants receive a copy of the classroom presentation material and the Participant Handbook.

About the 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.

Information on recommended follow-on training courses, including approved technology certification, is available from the Cloud Credential website (www.cloudcredential.org).

Technical Requirements:

For eBooks:
* Internet is required only for downloading the eBook. The eBooks can be read offline.
* eBooks can be downloaded and read on the following devices Laptop, tablet, Smart Phone, eReader PDF Reader, recommended Adobe Reader.

Agenda:

Day 1	Day 2	Day 3
Cloud Provisioning and Administration	Federated controls and strategies for multiple cloud and non-cloud administration	PaaS Deployment, Administration and Security of Cloud-Enabled Platforms
Cloud Bursting		PaaS Application Container Management Issues
Cloud Interoperability	IaaS: Deployment of Virtual Clouds, Virtual DCs and Virtual Networks	PaaS Cloud Broker Platforms
Strategic policy design for cloud usage and compliance	IaaS: Virtual Storage Provisioning and Management	SaaS: Cloud service catalogues and application marketplaces
Disaster Recovery and Business Continuity strategies for Cloud	IaaS: Cloud Infrastructure Benchmarking	SaaS: Multi-Tenant Data Management Certification Exam Preparation
Performance Measures, Monitoring and Optimization in Production	IaaS: Deployment Automation And Elastic Sizing Of Environments	
Cloud Security Fundamentals	IaaS: Workload Definition	
	IaaS: VM Deployment and Maintenance Life Cycle	