



Professional Cloud Administrator

Duration 3 Days



PROFESSIONAL
CLOUD
ADMINISTRATOR

COURSE DESCRIPTION

The certification lays out the core components of the cloud administrator function and the necessary skills. Candidates will be able to apply the underpinning administration concepts in an enterprise cloud computing environment, while taking into account the impact of the shift of some aspects of a cloud administration role to external cloud providers.

LEARNING OBJECTIVES

- 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.

PREREQUISITES

There are no formal prerequisites; however, it is recommended that participants have achieved the Cloud Technology Associate certification (or its equivalent) from the Cloud Credential Council and that participants are familiar with key cloud concepts and terminology.

AUDIENCE

- Network, Systems or Database Administrators
- IT Managers

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.

**OUTLINE****Module 1. Cloud Resource Administration and Provisioning**

- Fundamentals of Cloud Administration
- Cloud Workload Analysis and Capacity Planning
- Administering Cloud Technologies
- Cloud Resource Provisioning
- Virtual Storage
- Cloud Marketplaces

Module 2. Scalable and Elastic Administration

- Cloud Scalability Administration
- Cloud Elasticity Administration

Module 3. Cloud Interoperability & Portability

- The Need for Interoperability and Portability
- Strategic Planning for Interoperability and Portability

Module 4. Strategic Policy Design for Cloud Usage and Compliance

- Policy Management and Control
- Service Level Management
- Metering and Billing Management
- Privacy and Data Management

Module 5. Business Continuity Strategies and Disaster Recovery for Cloud

- Business Continuity
- Disaster Recovery

Module 6. Cloud Security Fundamentals

- Fundamental Security Threats
- Cloud Security Administration
- Security Standards

Module 7. Federated Controls and Strategies for Multiple Cloud and Non-cloud Administration

- Federated Identity Management
- Systems Management
- Service Level Management
- Broker Platform

Module 8. Performance Measures, Monitoring and Optimization in Production

- Lifecycle Management
- Management and Administration Policies
- Monitoring and Reporting
- Infrastructure Benchmarking
- Availability and Performance
- Usage and Accounting