
Professional Cloud Administrator

Duration: 3 Days Course Code: GKPCA Version: 1.0

Overview:

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. This course enables network, systems, and database administrators to gain the required knowledge to effectively operate in the cloud, touching 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 two years of experience as an administrator. The course prepares you for the Professional Cloud Administrator certification (PCA).

Target Audience:

Network administrator, systems administrator, database administrator, service desk managers and senior operators.

Objectives:

- After completing this course you should be able to understand:
 - Federated Controls and Strategies for Multiple Cloud and Non-Cloud Administration
 - Cloud Provisioning and Administration
 - Administration of Virtual Infrastructure Services
 - Disaster Recovery and Business Continuity Strategies for Cloud
 - Administration of Virtual Platform Services
 - Performance Measures, Monitoring, and Optimization in Production
 - Administration of Virtual Software Services
 - Cloud Security Fundamentals
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Prerequisites:

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.

Testing and Certification

Recommended as preparation for the following exams:

- **PCA** - Professional Cloud Administrator Exam
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Content:

Cloud Provisioning and Administration

- Workload analysis concepts and features and their impact on choice of cloud service
- Capacity planning in light of a given scenario
- Administration issues of migration to the cloud

Cloud Bursting

- Application of key cloud bursting concepts
- Configuration strategies to anticipate elasticity demands

Cloud Interoperability

- Interoperability and portability strategies with appropriate administrative action
- Tenant-aware, error-tracking options in a given scenario

Strategic Policy Design For Cloud Usage and Compliance

- Capacity management issues in a given scenario
- Differences and relative pros and cons of the various SLA, QoS and OLA for cloud environments

Disaster Recovery and Business Continuity Strategies for Cloud

- Administrative elements of a failover strategy in a XaaS case study
- Key administrative actions to maintain the achievement of environment objectives

Performance Measures, Monitoring and Optimization in Production

- Key metrics that pertain to cloud and non-cloud environments and their service performance
- SLA compliance and gaps in service performance
- Improvements from the consumer and provider perspectives and the implications on cloud monitoring and forensics auditing for cloud services

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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