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Learning Style: On Demand

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 32 Hours

Microsoft Azure Administrator Certification (AZ-103)

This course is for professionals planning to enroll in the AZ-103 Exam leading to the AZ-103 Certification. The official exam voucher is not included in this course. However, the official exam voucher can be purchased separately on request

About this Course:

Microsoft Azure Administrators are liable for managing cloud services and focuses on streamlining networking, storage management, and active cloud integration in an IT lifecycle. These professionals also deal with end-user requests linked with new applications and play a key role in optimizing cloud services to achieve optimal performance. This course is specifically designed for Microsoft Azure Administrators and students willing to pursue a professional career in the niche of Azure Administration.

This intermediate-level course focuses on Azure Subscription Management and deals with virtual machine development and scaling. Professionals also learn the art of implementing storage solutions and configuring virtual networks. The core concepts of data restoration & backup, data sharing, and on-premises & Azure site connections are also discussed in this course. Furthermore, it also covers network traffic management, Azure solution monitoring, identity protection, and Azure Active Directory Implementation.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Azure Resources & Subscription Management
- Azure Storage Implementation & Management
- Deployment & Management of Microsoft Azure Virtual Machines
- Virtual Networks Configuration & Management
- Deploying ARM Templates and Identities Management

Audience:

This course is specifically tailored for Microsoft Azure Administrators and Professionals striving to achieve success in the AZ-103 Certification Exams.

Prerequisites:

Professionals planning to enroll in the Microsoft Azure Administrator Certification (AZ-103) course must comply with the following prerequisites:

- Familiarity with Virtualization Tools such as Networking, Virtual Hard Disks & VMs
- Conceptual Knowledge of Virtual Private Network and Domain Name System
- Understanding of Networking Configuration, Firewalls, & Encryption Tools
- Familiarity with Azure Active Directory Key Concepts: Replication, Forests,

& Domains
- Conceptual Knowledge of Domain Controls LDAP and Kerberos Protocols
- Basic Know-how of Disaster Recovery, Resilience. Backup, & Restoration Essentials

Course Outline:

The course outline is as follows:

Module 1: Azure Administration

- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- Resource Manager
- ARM Templates

Module 02: Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions
- Lab and Review Questions

Module 03: Azure Storage

- Storage Accounts
- Blob Storage
- Azure Files
- Storage Security
- Lab and Review Questions

Module 04: Virtual Networking

- Virtual Networks
- IP Addressing and Endpoints
- Azure DNS
- Network Security Groups
- Lab and Review Questions

Module 05: Intersite Connectivity

- VNet Peering
- VNet-to-VNet Connections
- ExpressRoute Connections
- Lab and Review Questions

Module 06: Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher
- Lab and Review Questions

Module 07: Data Protection

- Data Replication
- File and Folder Backups
- Virtual Machine Backups
- Lab and Review Questions

Module 08: Network Traffic Management

- Network Routing
- Azure Load Balancer
- Azure Traffic Manager
- Lab and Review Questions

Module 09: Azure Active Directory

- Azure Active Directory
- Azure Active Directory Connect
- Azure AD Join
- Lab and Review Questions

Module 10: Securing Identities

- Multi-Factor Authentication
- Azure AD Identity Protection
- Self-Service Password Reset
- Lab and Review Questions

Module 11: Governance and Compliance

- Subscriptions and Accounts
- Role-based Access Control
- Users and Groups
- Azure Policy
- Lab and Review Questions

Module 12: Data Services

- Content Delivery Network
- File Sync
- Import and Export Service
- Data Box
- Lab and Review Questions

https://www.quickstart.com/catalog/product/view/id/3479/s/microsoft-azure-administrator-certification-az-103/

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