AZ-104 Microsoft Azure Administrator Certification

Structured technical training and certification preparation

A practical, student-friendly outline covering azure Overview, azure Tools, azure Identities and Governance, azure Storage, and azure Compute Resources.

MODULES
7

LESSONS
87

FORMAT
Self-paced

Module Breakdown

MODULE 1

Azure Overview
1.0 Introduction to AZ-104
1.1 Cloud Computing
1.2 Cloud Services Benefits
1.3 Cloud Service Types
1.4 Azure Core Architectural Components
1.4.1 ACTIVITY-Creating Management Groups and Subscriptions
1.5 Azure Compute Services
1.6 Azure Application Hosting Options
1.7 Azure Networking Services
1.8 Azure Storage Services
1.9 Azure Identity, Access, and Security
1.10 Azure Cost Management
1.10.1 ACTIVITY- Checking Your Azure Balance
1.11 Azure Governance and Compliance Tools
1.11.1 ACTIVITY- Assign an Azure Policy

MODULE 2

Azure Tools
2.1 Azure Portal
2.1.1 ACTIVITY- Exploring the Azure Portal
2.2 Azure Monitoring Tools
2.3 Azure PowerShell
2.3.1 ACTIVITY- Using Azure PowerShell
2.4 Azure CLI
2.4.1 ACTIVITY- Using the Azure CLI
2.5 Azure Cloud Shell
2.6 ARM Templates
2.6.1 ACTIVITY- Using Templates to Deploy Resources
2.7 Azure Resource Manager
2.8 Hybrid Tools

Module Breakdown (continued)

MODULE 3

Azure Identities and Governance

3.1 Azure AD Overview
3.1.1 ACTIVITY- Exploring Azure Active Directory
3.1.2 ACTIVITY- Adding a Custom Domain
3.2 Subscriptions
3.3 Users and Groups
3.3.1 ACTIVITY- Adding Azure Active Directory User
3.3.2 ACTIVITY- Bulk Inviting New Users
3.3.3 ACTIVITY- Creating Azure AD Groups
3.4 Authentication
3.5 SSPR
3.5.1 ACTIVITY- Implementing SSPR
3.6 Devices
3.7 Azure Roles
3.7.1 ACTIVITY- Assigning Azure Roles
3.8 Azure AD Roles
3.8.1 ACTIVITY- Assigning Azure AD Roles
3.9 Conditional Access
3.10 Authorization

MODULE 3

Azure Identities and Governance (continued)

3.10.1 ACTIVITY- Managing Licenses
3.11 Azure Policy

MODULE 4

Azure Storage

4.1 Storage Accounts
4.1.1 ACTIVITY- Creating a Storage Account
4.2 Storage Types
4.2.1 ACTIVITY- Creating Storage Types
4.3 Azure Storage Tools
4.3.1 ACTIVITY- Azure Storage Explorer
4.4 Azure Files and File Sync
4.4.1 ACTIVITY- Deploying an Azure Files Share
4.5 Azure Storage Security

MODULE 5

Azure Compute Resources

5.1 Virtual Machines
5.1.1 ACTIVITY- Create Virtual Machines
5.1.2 ACTIVITY- Delete a Virtual Machine
5.2 VM Availability
5.2.1 ACTIVITY- Increasing VM Availability
5.3 VM Extensions
5.4 Azure App Service
5.5 Azure Container Instances
5.6 Kubernetes

MODULE 6

Azure Virtual Networks

6.1 Virtual Networks
6.1.1 ACTIVITY- Create a VNet
6.2 Network Security Groups-Part 1
6.2.1 Network Security Groups-Part 2
6.3 Azure Firewall
6.3.1 ACTIVITY- Deploying a Firewall
6.4 Azure DNS-Part 1
6.4.1 Azure DNS-Part 2
6.4.2 ACTIVITY- Implementing Azure DNS Zone6
6.5 Virtual Network Peering
6.5.1 ACTIVITY- VNet Peering
6.6 Azure VPN Gateway
6.7 ExpressRoute and Virtual WANs
6.8 Azure Load Balancer
6.9 Azure Application Gateway
6.10 Azure Routes

MODULE 7

Azure Monitoring and Backup

7.1 Network Watcher
7.2 Azure Monitor
7.3 Azure Backup-Part 1
7.4 Azure Backup-Part 2
7.5 Azure Backup-Part 3
7.6 Conclusion to AZ-104