Microsoft Azure Administrator (AZ-104)

Duration: 4 Days **Course Code: M-AZ104**

Overview:

Master the skills needed to become a Microsoft Azure Administrator by diving into identity management, role-based access control, and virtual network configuration.
This course is tailored to equip learners with the expertise to manage Azure Active Directory, implement governance policies, and configure storage and networking solutions in Azure environments.
Participants will learn how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.
Throughout the course,participants will work on hands-on projects such as configuring virtual networks, deploying scalable virtual machines, and implementing automated resource deployments. These projects simulate real-world scenarios, preparing for day-to-day challenges in Azure cloud administration.
Upd July2025

Target Audience:

This course is designed for: Future Azure Administrators who will need to implement, manage, monitors identities, governance, storage, compute, and virtual networks in a cloud environment.
The Azure Administrator will provision, size, monitor, and adjust resources as appropriate. IT professionals looking to advance their cloud administration skills

Objectives:

- After this course participants should be able to:
- Deploy and manage Azure compute resources
- Manage Azure identities and governance
- Implement and manage virtual networking
- Implement and manage storage
- Monitor and maintain Azure resources

Prerequisites:

- Understanding of on-premises virtualization technologies, including:
- VMs,
- virtual networking,
- and virtual hard disks.
- Understanding of network configurations, including
- TCP/IP,
- Domain Name System (DNS),
- virtual private networks (VPNs),
- firewalls,
- and encryption technologies.
- Understanding of Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

Testing and Certification

- Microsoft Certified: Azure Administrator Associate

Follow-on-Courses:

- Microsoft Certified: Azure Security Engineer Associate (M-AZ500)
- Microsoft Certified: Azure Network Engineer Associate (M-AZ700)
- Deploy cloud-native apps using Azure Container Apps (M-AZ-2003)

Content:

Module 1: AZ-104: Prerequisites for Azure administrators

- Manage services with the Azure portal
- Introduction to Azure Cloud Shell
- Introduction to Bash
- Introduction to PowerShell
- Deploy Azure infrastructure by using JSON ARM templates

Module 2: AZ-104: Manage identities and governance in Azure

- Understand Microsoft Entra ID
- Create, configure, and manage identitiesDescribe the core architectural components of Azure
- Azure Policy initiatives
- Secure your Azure resources with Azure role-based access control (Azure RBAC)
- Allow users to reset their password with Microsoft Entra self-service password reset

Module 3: AZ-104: Configure and manage virtual networks for Azure administrators

- Configure virtual networks
- Configure network security groups
- Host your domain on Azure DNS
- Configure Azure Virtual Network peering
- Manage and control traffic flow in your Azure deployment with routes
- Introduction to Azure Load Balancer
- Introduction to Azure Application Gateway
- Introduction to Azure Network Watcher

Module 4: AZ-104: Implement and manage storage in Azure

- Configure storage accounts
- Configure Azure Blob Storage
- Configure Azure Storage security
- Configure Azure Files

Module 5: AZ-104: Deploy and manage Azure compute resources

- Introduction to Azure virtual machines
- Configure virtual machine availability
- Configure Azure App Service plans
- Configure Azure App Service
- Configure Azure Container Instances

Module 6: Monitor and back up Azure resources

- Introduction to Azure Backup
- Protect your virtual machines by using Azure Backup
- Introduction to Azure Monitor
- Improve incident response with Azure Monitor alerts

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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