

PROFESSIONAL COURSE OUTLINE

Microsoft

Azure Administrator Associate

AZ-104

This course teaches IT Professionals 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.

Cloud

Intermediate

Azure

PROGRAM CODE

AZ-104

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION

Microsoft Certified: Azure Administrator Associate

AUDIENCE PROFILE

Who This Program Is For

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.

- 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.

PROGRAM SUMMARY

What This Course Covers

As a candidate for this certification, you should have subject matter expertise in implementing, managing, and monitoring an organization's Microsoft Azure environment, including virtual networks, storage, compute, identity, security, and governance.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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Page 1 of 3

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

1

MODULE 1

AZ-104: Prerequisites for Azure administrators

AZ-104: Prerequisites for Azure administrators

- Introduction to Azure Cloud Shell
- Deploy Azure infrastructure by using JSON ARM templates

2

MODULE 2

AZ-104: Manage identities and governance in Azure

AZ-104: Manage identities and governance in Azure

- Understand Microsoft Entra ID
- Create, configure, and manage identities
- Describe 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

3

MODULE 3

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

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

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4

MODULE 4

AZ-104: Implement and manage storage in Azure

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

5

MODULE 5

AZ-104: Deploy and manage Azure compute resources

Learn how to deploy and configure virtual machines, containers, and Web Apps in Azure.

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

6

MODULE 6

AZ-104: Monitor and back up Azure resources

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- Introduction to Azure Backup
- Protect your virtual machines by using Azure Backup
- Monitor your Azure virtual machines with Azure Monitor