

AZ-104T00 - Microsoft Azure Administrator

Category: Cloud Platforms | **Vendor:** Microsoft

Duration: 40.00 hours (5 days)

32.5 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Certification: Microsoft Certified: Azure Administrator Associate

Related Exam: AZ-104

Course Overview

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.

About This Course

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.

NOTE: US Courses will run as a 4 day delivery.

Who Should Attend

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.

Prerequisites & Entry Requirements

General Prerequisites:

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.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Microsoft Azure Administrator Course Objectives Learn how to secure identities with Azure Active Directory, and implement users and groupsLearn how to manage your subscriptions and accounts, implementing Azure policies, and using Role-Based Access ControlLearn about the tools a Microsoft Azure Administrator uses to manage their infrastructureLearn about basic virtual networking conceptsLearn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site ConnectionsLearn about network traffic strategiesLearn about basic storage featuresLearn about Azure virtual machinesLearn administer serverless computing featuresLearn about backing up files and folders, and virtual machine backupsLearn how to monitor your Azure infrastructure, Microsoft Azure Administrator Course Objectives Learn how to secure identities with Azure Active Directory, and implement users and groupsLearn how to manage your subscriptions and accounts, implementing Azure policies, and using Role-Based Access ControlLearn about the tools a Microsoft Azure Administrator uses to manage their infrastructureLearn about basic virtual networking conceptsLearn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site ConnectionsLearn about network traffic strategiesLearn about basic storage featuresLearn about Azure virtual machinesLearn administer serverless computing featuresLearn about backing up files and folders, and virtual machine backupsLearn how to monitor your Azure infrastructure, Microsoft Azure Administrator Course Objectives Learn how to secure identities with Azure Active Directory, and implement users and groupsLearn how to manage your subscriptions and accounts, implementing Azure policies, and using Role-Based Access ControlLearn about the tools a Microsoft Azure Administrator uses to manage their infrastructureLearn about basic virtual networking conceptsLearn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site ConnectionsLearn about network traffic strategiesLearn about basic storage featuresLearn about Azure virtual machinesLearn administer serverless computing featuresLearn about backing up files and folders, and virtual machine backupsLearn how to monitor your Azure infrastructure, Microsoft Azure Administrator Course Objectives Learn how to secure identities with Azure Active Directory, and implement users and groupsLearn how to manage your subscriptions and accounts, implementing Azure policies, and using Role-Based Access ControlLearn about the tools a Microsoft Azure Administrator uses to manage their infrastructureLearn about basic virtual networking conceptsLearn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site ConnectionsLearn about network traffic strategiesLearn about basic storage featuresLearn about Azure virtual machinesLearn administer serverless computing featuresLearn about backing up files and folders, and virtual machine backupsLearn how to monitor your Azure infrastructure, Microsoft Azure Administrator Course Objectives

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Detailed Course Outline

1 - Configure Microsoft Entra ID

- Describe Microsoft Entra ID benefits and features
- Describe Microsoft Entra concepts
- Compare Active Directory Domain Services to Microsoft Entra ID
- Select Microsoft Entra editions
- Implement Microsoft Entra join
- Implement Microsoft Entra self-service password reset

2 - Configure user and group accounts

- Create user accounts
- Manage user accounts
- Create bulk user accounts
- Create group accounts
- Create administrative units

3 - Configure subscriptions

- Identify Azure regions
- Implement Azure subscriptions
- Obtain an Azure subscription
- Identify Azure subscription usage
- Implement Microsoft Cost Management
- Apply resource tagging
- Apply cost savings

4 - Configure Azure Policy

- Create management groups
- Implement Azure policies
- Create Azure policies
- Create policy definitions
- Create an initiative definition
- Scope the initiative definition
- Determine compliance

5 - Configure role-based access control

- Implement role-based access control
- Create a role definition
- Create a role assignment
- Compare Azure roles to Microsoft Entra roles
- Apply role-based access control
- Review fundamental Azure RBAC roles

6 - Configure Azure resources with tools

- Use the Azure portal
- Use Azure Cloud Shell
- Use Azure PowerShell
- Use Azure CLI

7 - Use Azure Resource Manager

- Review Azure Resource Manager benefits
- Review Azure resource terminology
- Create resource groups
- Create Azure Resource Manager locks
- Reorganize Azure resources
- Remove resources and resource groups
- Determine resource limits

8 - Configure resources with Azure Resource Manager templates

- Review Azure Resource Manager template advantages
- Explore the Azure Resource Manager template schema
- Explore the Azure Resource Manager template parameters
- Consider Bicep templates
- Review QuickStart templates

9 - Configure virtual networks

- Plan virtual networks
- Create subnets
- Create virtual networks
- Plan IP addressing
- Create public IP addressing
- Associate public IP addresses
- Allocate or assign private IP addresses

10 - Configure network security groups

- Implement network security groups
- Determine network security group rules
- Determine network security group effective rules
- Create network security group rules
- Implement application security groups

11 - Configure Azure DNS

- Identify domains and custom domains
- Verify custom domain names
- Create Azure DNS zones
- Delegate DNS domains
- Add DNS record sets
- Plan for Azure Private DNS zones
- Review Azure Private DNS zone scenarios

12 - Configure Azure Virtual Network peering

- Determine Azure Virtual Network peering uses
- Determine gateway transit and connectivity
- Create virtual network peering
- Extend peering with user-defined routes and service chaining

13 - Configure network routing and endpoints

- Review system routes
- Identify user-defined routes
- Determine service endpoint uses
- Determine service endpoint services
- Identify private link uses

14 - Configure Azure Load Balancer

- Determine Azure Load Balancer uses
- Implement a public load balancer
- Implement an internal load balancer
- Determine load balancer SKUs
- Create back-end pools
- Create health probes
- Create load balancer rules

15 - Configure Azure Application Gateway

- Implement Azure Application Gateway
- Determine Azure Application Gateway routing
- Configure Azure Application Gateway components

16 - Configure storage accounts

- Implement Azure Storage
- Explore Azure Storage services
- Determine storage account types
- Determine replication strategies
- Access storage
- Secure storage endpoints

17 - Configure Azure Blob Storage

- Implement Azure Blob Storage
- Create blob containers
- Assign blob access tiers
- Add blob lifecycle management rules
- Determine blob object replication
- Upload blobs
- Determine Blob Storage pricing

18 - Configure Azure Storage security

- Review Azure Storage security strategies
- Create shared access signatures
- Identify URI and SAS parameters
- Determine Azure Storage encryption
- Create customer-managed keys
- Apply Azure Storage security best practices

19 - Configure Azure Files and Azure File Sync

- Compare storage for file shares and blob data
- Manage Azure file shares
- Create file share snapshots
- Implement Azure File Sync
- Identify Azure File Sync components
- Deploy Azure File Sync

20 - Configure Azure Storage with tools

- Use Azure Storage Explorer
- Use the Azure Import/Export service
- Use the WAImportExport tool
- Use the AzCopy tool

21 - Configure virtual machines

- Review cloud services responsibilities
- Plan virtual machines
- Determine virtual machine sizing
- Determine virtual machine storage
- Create virtual machines in the Azure portal
- Connect to virtual machines

22 - Configure virtual machine availability

- Plan for maintenance and downtime
- Create availability sets
- Review update domains and fault domains
- Review availability zones
- Compare vertical and horizontal scaling
- Implement Azure Virtual Machine Scale Sets
- Create Virtual Machine Scale Sets
- Implement autoscale
- Configure autoscale

23 - Configure Azure App Service plans

- Implement Azure App Service plans
- Determine Azure App Service plan pricing
- Scale up and scale out Azure App Service
- Configure Azure App Service autoscale

24 - Configure Azure App Service

- Implement Azure App Service
- Create an app with App Service
- Explore continuous integration and deployment
- Create deployment slots
- Add deployment slots
- Secure your App Service app
- Create custom domain names
- Back up and restore your App Service app
- Use Azure Application Insights

25 - Configure Azure Container Instances

- Compare containers to virtual machines
- Review Azure Container Instances
- Implement container groups
- Review the Docker platform

26 - Configure file and folder backups

- Describe Azure Backup benefits
- Implement Backup Center for Azure Backup
- Configure Azure Recovery Services vault backup options
- Use the Microsoft Azure Recovery Services (MARS) agent
- Configure on-premises file and folder backups

27 - Configure virtual machine backups

- Explore options to protect virtual machine data
- Create virtual machine snapshots in Azure Backup
- Set up Azure Recovery Services vault backup options
- Back up your virtual machines
- Restore your virtual machines
- Implement System Center DPM and Azure Backup Server
- Compare the MARS agent and Azure Backup Server
- Implement soft delete for your virtual machines
- Implement Azure Site Recovery

28 - Configure Azure Monitor

- Describe Azure Monitor key capabilities
- Describe Azure Monitor components
- Define metrics and logs
- Identify monitoring data and tiers
- Describe activity log events
- Query the activity log

29 - Configure Azure alerts

- Describe Azure Monitor alerts
- Manage Azure Monitor alerts
- Create alert rules
- Create action groups

30 - Configure Log Analytics

- Determine Log Analytics uses
- Create a Log Analytics workspace
- Create Kusto (KQL) queries
- Structure Log Analytics queries

31 - Configure Network Watcher

- Describe Azure Network Watcher features
- Review IP flow verify diagnostics
- Review next hop diagnostics
- Visualize the network topology

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1 - Manage services with the Azure portal

- Azure management options
- Navigate the portal
- Azure portal dashboards
- Access preview features

2 - Introduction to Azure Cloud Shell

- What is Azure Cloud Shell?
- How does Azure Cloud Shell work?
- When should you use Azure Cloud Shell?
- Module assessment

3 - Introduction to Bash

- What is Bash?
- Bash fundamentals
- Bash commands and operators
- Module assessment

4 - Introduction to PowerShell

- What is PowerShell?
- Locate commands
- Module assessment

5 - Deploy Azure infrastructure by using JSON ARM templates

- Explore Azure Resource Manager template structure
- Add flexibility to your Azure Resource Manager template by using parameters and outputs
- Module assessment

6 - Understand Microsoft Entra ID

- Examine Microsoft Entra ID
- Compare Microsoft Entra ID and Active Directory Domain Services
- Examine Microsoft Entra ID as a directory service for cloud apps
- Compare Microsoft Entra ID P1 and P2 plans
- Examine Microsoft Entra Domain Services
- Module assessment

7 - Create, configure, and manage identities

- Create, and manage users
- Create, and manage groups
- Configure and manage device registration
- Manage licenses
- Create custom security attributes
- Explore automatic user creation
- Module assessment

8 - Describe the core architectural components of Azure

- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure
- Module assessment

9 - Azure Policy initiatives

- Cloud Adoption Framework for Azure
- Azure Policy design principles
- Azure Policy resources
- Azure Policy definitions
- Evaluation of resources through Azure Policy

10 - Secure your Azure resources with Azure role-based access control

(Azure RBAC)

- What is Azure RBAC?
- Module assessment

11 - Allow users to reset their password with Microsoft Entra self-service password reset

- What is self-service password reset in Microsoft Entra ID?
- Implement Microsoft Entra self-service password reset

12 - Configure virtual networks

- Plan virtual networks
- Create subnets
- Create virtual networks
- Plan IP addressing
- Create public IP addressing
- Associate public IP addresses
- Allocate or assign private IP addresses
- Module assessment

13 - Configure network security groups

- Implement network security groups
- Determine network security group rules
- Determine network security group effective rules
- Create network security group rules
- Implement application security groups
- Module assessment

14 - Host your domain on Azure DNS

- What is Azure DNS?
- Configure Azure DNS to host your domain
- Dynamically resolve resource name by using alias record

15 - Configure Azure Virtual Network peering

- Determine Azure Virtual Network peering uses
- Determine gateway transit and connectivity
- Create virtual network peering
- Extend peering with user-defined routes and service chaining
- Module assessment

16 - Manage and control traffic flow in your Azure deployment with routes

- Identify routing capabilities of an Azure virtual network
- What is an NVA?

17 - Introduction to Azure Load Balancer

- What is Azure Load Balancer?
- How Azure Load Balancer works
- When to use Azure Load Balancer
- Module assessment

18 - Introduction to Azure Application Gateway

- What is Azure Application Gateway?
- How Azure Application Gateway works
- When to use Azure Application Gateway
- Module assessment

19 - Introduction to Azure Network Watcher

- What is Azure Network Watcher?
- How Azure Network Watcher works
- When to use Azure Network Watcher
- Module assessment

20 - Configure storage accounts

- Implement Azure Storage
- Explore Azure Storage services
- Determine storage account types
- Determine replication strategies
- Access storage
- Secure storage endpoints
- Module assessment

21 - Configure Azure Blob Storage

- Implement Azure Blob Storage
- Create blob containers
- Assign blob access tiers
- Add blob lifecycle management rules
- Determine blob object replication
- Manage blobs
- Determine Blob Storage pricing
- Module assessment

22 - Configure Azure Storage security

- Review Azure Storage security strategies
- Create shared access signatures
- Identify URI and SAS parameters
- Determine Azure Storage encryption
- Create customer-managed keys
- Apply Azure Storage security best practices
- Module assessment

23 - Configure Azure Files

- Compare storage for file shares and blob data
- Manage Azure file shares
- Create file share snapshots
- Implement soft delete for Azure Files
- Use Azure Storage Explorer
- Consider Azure File Sync

24 - Introduction to Azure virtual machines

- Compile a checklist for creating an Azure Virtual Machine
- Describe the options available to create and manage an Azure Virtual Machine
- Manage the availability of your Azure VMs
- Back up your virtual machines
- Module assessment

25 - Configure virtual machine availability

- Plan for maintenance and downtime
- Create availability sets
- Review update domains and fault domains
- Review availability zones
- Compare vertical and horizontal scaling
- Implement Azure Virtual Machine Scale Sets
- Create Virtual Machine Scale Sets
- Implement autoscale
- Configure autoscale
- Module assessment

26 - Configure Azure App Service plans

- Implement Azure App Service plans
- Determine Azure App Service plan pricing
- Scale up and scale out Azure App Service
- Configure Azure App Service autoscale
- Module assessment

27 - Configure Azure App Service

- Implement Azure App Service
- Create an app with App Service
- Explore continuous integration and deployment
- Create deployment slots
- Add deployment slots
- Secure your App Service app
- Create custom domain names
- Back up and restore your App Service app
- Use Azure Application Insights
- Module assessment

28 - Configure Azure Container Instances

- Compare containers to virtual machines
- Review Azure Container Instances
- Implement container groups
- Review Azure Container Apps
- Module assessment

29 - Introduction to Azure Backup

- What is Azure Backup?
- How Azure Backup works
- When to use Azure Backup
- Module assessment

30 - Protect your virtual machines by using Azure Backup

- Azure Backup features and scenarios
- Back up an Azure virtual machine by using Azure Backup
- Restore virtual machine data

31 - Improve incident response with Azure Monitor alerts

- Explore the different alert types that Azure Monitor supports
- Use metric alerts for alerts about performance issues in your Azure environment
- Use log search alerts to alert on events in your application
- Use activity log alerts to alert on events within your Azure infrastructure
- Use action groups and alert processing rules to send notifications when an alert is fired

, Configure network routing and endpoints, Configure Azure Virtual Network peering, Configure Azure ExpressRoute and Azure Virtual WAN, Configure network security groups, Configure Azure DNS, Configure Azure Application Gateway, Configure Azure Load Balancer, Configure storage accounts, Configure Azure Storage security, Configure Azure Blob Storage, Configure Azure Files and Azure File Sync, Configure Azure Storage with tools, Configure virtual machine availability, Configure virtual machines, Configure virtual machine extensions, Configure Azure App Service plans, Configure Azure App Service, Configure virtual machine backups, Configure file and folder backups, Configure Azure Kubernetes Service, Configure Azure Container Instances, Configure virtual networks, Use Azure Resource Manager, Configure resources with Azure Resource Manager templates, Configure Azure resources with tools, LAB Outline, Manage identities and governance in Azure, Configure Microsoft Entra ID, Configure and manage virtual networks for Azure administrators, Implement and manage storage in Azure, Deploy and manage Azure compute resources, Monitor and back up Azure resources, Host your domain on Azure DNS, Introduction to Azure Backup, Configure Azure Monitor, Improve incident response with alerting on Azure, Configure Log Analytics, Configure Network Watcher, Configure Azure alerts, Configure Azure Policy, Configure role-based access control, Configure subscriptions, Configure user and group accounts

Certification Path

Microsoft Certified: Azure Administrator Associate

Exam: AZ-104

Upcoming Schedule

Available training dates for AZ-104T00 - Microsoft Azure Administrator:

Start Date	End Date	Location	Delivery	Price
15 Sep 2026	18 Sep 2026	Online	Virtual	€2,495.00
29 Sep 2026	02 Oct 2026	Online	Virtual	€2,495.00
13 Oct 2026	16 Oct 2026	Online	Virtual	€2,495.00
27 Oct 2026	30 Oct 2026	Online	Virtual	€2,495.00
10 Nov 2026	13 Nov 2026	Online	Virtual	€2,495.00
17 Nov 2026	20 Nov 2026	Online	Virtual	€2,495.00
01 Dec 2026	04 Dec 2026	Online	Virtual	€2,495.00
07 Dec 2026	11 Dec 2026	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,980.00
15 Dec 2026	18 Dec 2026	Online	Virtual	€2,495.00
05 Jan 2027	08 Jan 2027	Online	Virtual	€2,495.00
15 Feb 2027	19 Feb 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,980.00
17 May 2027	21 May 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,980.00
16 Aug 2027	20 Aug 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,980.00
15 Nov 2027	19 Nov 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,980.00

Additional Course Details

Nexus Humans AZ-104 Microsoft Azure Administrator training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AZ-104 Microsoft Azure Administrator course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you. Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for AZ-104T00 - Microsoft Azure Administrator?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
 - Traditional Instructor-Led Classroom Training (ILT)
 - On-site delivery at your offices anywhere in United Kingdom
 - Private dedicated courses customized for your team
-

Q: What certification does this course prepare me for?

The AZ-104T00 - Microsoft Azure Administrator course helps prepare you for the Microsoft Certified: Azure Administrator Associate certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-104 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day AZ-104T00 - Microsoft Azure Administrator course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-104T00 - Microsoft Azure Administrator training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-104T00 - Microsoft Azure Administrator?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-104T00 - Microsoft Azure Administrator. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: az104 az103 az101 az100 az-103 az-101 az-100 mcsa az 104 az 103 az 101 az 100 az-103 az-101 az-100 mcsa, AZ-104T00: Microsoft Azure Administrator, Microsoft, vILT, AZ-104T00

Q: Why choose Nexus Human for AZ-104T00 - Microsoft Azure Administrator?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-104T00 - Microsoft Azure Administrator training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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