

Microsoft Azure Administrator (AZ-104)

Become a job-ready Azure Administrator who can run production cloud infrastructure with confidence.

Duration: 2 months

Prepares for: Microsoft Certified: Azure Administrator Associate (AZ-104)

Format: Online or onsite, 1-on-1 or batch

Target exam: AZ-104

NUEXUS certificate on completion

OVERVIEW

This course trains you to deploy, configure, secure and manage core Microsoft Azure services the way real administrators do day to day, from identities and virtual networks to storage, compute and monitoring. It is built directly around the AZ-104 exam blueprint, so every module maps to what Microsoft actually tests, and every concept is reinforced in the Azure portal, with the CLI and PowerShell, and through ARM/Bicep templates. Delivered online from anywhere or onsite in Islamabad, in a batch or one-on-one, it is mentor-led by certified trainers and heavily hands-on so you finish with practical skills, not just theory. On completing the course you receive a NUEXUS completion certificate.

SKILLS YOU WILL GAIN

Azure Identity (Entra ID)

RBAC & Governance

Virtual Networks

Network Security Groups

Azure Storage

Virtual Machines

App Services

Containers

Load Balancing

Backup & Recovery

Monitoring

Azure CLI & PowerShell

WHAT YOU WILL BE ABLE TO DO

- Manage Azure identities and governance: users, groups, Microsoft Entra ID, RBAC roles, subscriptions and management groups
- Configure and secure storage accounts, blob and file storage, access tiers, lifecycle rules and shared access signatures
- Deploy and manage compute: virtual machines, availability sets, scale sets, containers and Azure App Service
- Design and implement virtual networks with subnets, NSGs, peering, VPN gateways, load balancers and DNS
- Monitor and maintain resources using Azure Monitor, Log Analytics, alerts, backups and site recovery
- Automate deployments with ARM/Bicep templates, Azure CLI and PowerShell, and troubleshoot common operational issues

WHO IT IS FOR

- IT administrators and system engineers moving from on-premises into Azure cloud roles
- Support and infrastructure staff who now manage cloud resources and want to formalise their skills
- Career changers with basic IT knowledge targeting a cloud administrator or cloud engineer role
- Developers and DevOps practitioners who want a solid grounding in Azure operations and governance
- Anyone preparing specifically for the Microsoft Certified: Azure Administrator Associate (AZ-104) exam

PREREQUISITES

- Basic understanding of core IT concepts: operating systems, networking (IP, DNS, firewalls) and virtualization
- Comfort working with a command line is helpful; we teach Azure CLI and PowerShell from the ground up
- Familiarity with cloud fundamentals is a plus (AZ-900 level), but not required, we cover what you need
- An Azure account for labs; we guide you through setting up a free or trial subscription in the first sessions

WHAT'S INCLUDED

- Mentor-led live sessions, online or onsite, in batch or 1-on-1
- Hands-on labs and real-world projects, not slides alone
- Recordings of your own sessions to revisit anytime
- Exam-aligned study material and practice questions
- Doubt-clearing and revision support through the program
- A verifiable NUEXUS completion certificate
- Career and next-step guidance after you finish

COURSE CURRICULUM

1 Manage Azure Identities and Governance

Microsoft Entra ID: users, groups and administrative units

Role-based access control (RBAC) and built-in vs custom roles

Subscriptions, management groups, resource groups and tags

Azure Policy and resource locks for governance

Cost management, budgets and cost alerts

2 Working With Azure: Portal, CLI, PowerShell and Templates

Navigating the Azure portal and Cloud Shell

Azure CLI and Azure PowerShell fundamentals

Authoring and deploying ARM and Bicep templates

Resource deployment, redeployment and idempotency

Using template specs and parameter files

3 Implement and Manage Storage

Storage accounts, redundancy options and access tiers

Blob storage, containers, versioning and lifecycle management

Azure Files and File Sync

Storage security: access keys, shared access signatures (SAS) and stored access policies

Managing storage with Storage Explorer and AzCopy

4 Deploy and Manage Azure Compute Resources

Creating and configuring virtual machines (Windows and Linux)

Availability sets, availability zones and VM scale sets

VM sizing, disks, images and custom script/extensions

Azure App Service plans and web apps

Azure Container Instances and an intro to Azure Container Apps

5 Configure and Manage Virtual Networking

Virtual networks, subnets and IP addressing

Network security groups (NSGs) and application security groups

VNet peering, service endpoints and private endpoints

Azure DNS: public and private zones

VPN gateways and an introduction to hybrid connectivity

6 Network Traffic Management and Load Balancing

Azure Load Balancer: public and internal

Azure Application Gateway and Web Application Firewall basics

Traffic routing with Azure DNS and Traffic Manager

Network routing, user-defined routes and forced tunnelling

Diagnosing connectivity with Network Watcher

7 Monitor and Maintain Azure Resources

Azure Monitor, metrics and Log Analytics workspaces

Alerts, action groups and diagnostic settings

Network Watcher: connection monitor and packet capture

Azure Backup for VMs, files and workloads

Azure Site Recovery concepts for business continuity

8 Exam Preparation and Real-World Practice

Full walkthrough of the current AZ-104 exam domains and weightings

Timed mock exams with detailed answer review

Case-study labs combining identity, networking, storage and compute

Common exam pitfalls and time-management strategy

Guidance on booking the exam and the assessment process

CAREER OUTCOMES

Azure Administrator

Cloud Engineer

Cloud Administrator

Systems Engineer

DevOps Engineer

Entry USD 60,000 to 85,000

Mid USD 85,000 to 120,000

Senior USD 120,000 to 150,000

Global averages from Glassdoor and PayScale, 2025. Actual pay varies by country, employer and experience.

CERTIFICATION PATH

NUEXUS training certificate

Issued by NUEXUS on course completion. Verifiable at nuexus.com/verify.

Microsoft Certified: Azure Administrator Associate (AZ-104)

Earned by passing the official exam. Issued and verified by the certification body itself, not by NUEXUS.

Exam	AZ-104
Questions	Microsoft does not publish a fixed count; role-based exams typically have 40 to 60 items
Format	Multiple choice, case studies, and interactive components
Duration	100 minutes
Passing score	700 on a scale of 1 to 1000 (this is not the same as 70%)
Delivery	Pearson VUE, at a test center or online proctored

The Microsoft exam fee is paid separately to Microsoft and quoted per engagement. The certification renews free each year via an online assessment on Microsoft Learn. Even when NUEXUS arranges your exam voucher, the resulting certification is issued and verified by the certification body directly.

