

MCSE

(Microsoft Certified Solutions Expert)

Certification Training

- ✓ EC-Council Authorized Partner
- ✓ 40-Hour Instructor-led Training
- ✓ 98% Exam Pass Rate
- ✓ Hands-on Labs & Live Projects

Course Highlights



40-Hour

Instructor-led Training



Microsoft

Authorized Partner



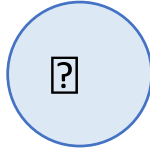
Practical Training

on Latest Tools



Highly Interactive

and Dynamic Sessions



Hands-on Labs

Real Environments



98% Exam

Pass Rate



Access to

Recorded Sessions



Extended Post

Training Support



Career Guidance

and Mentorship

About Course

The Microsoft Certified Solutions Expert (MCSE) certification training program is designed to equip IT professionals with advanced skills in Microsoft technologies. This comprehensive course covers Windows Server, Azure Cloud, networking, and enterprise infrastructure management.

Through hands-on labs, real-world simulations, and cutting-edge Microsoft tools, participants will master server administration, cloud architecture, active directory, virtualization, and hybrid cloud deployments — preparing them for the modern enterprise IT environment.

What's New — MCSE 2025

Feature	MCSE 2020	MCSE 2025
Azure Integration	Basic	Deep Hybrid Cloud + AI
AI & Copilot	Not included	Microsoft Copilot & AI tools
Security Focus	MCSA-level	Zero Trust + Defender XDR
Exam Format	Multiple exams	Streamlined role-based
Labs	40+	80+ Hands-on Live Labs
Technologies	On-premise focus	Cloud-first + Edge computing
Certifications	3 paths	6 specialization paths

Course Objectives

- ✓ Master Windows Server 2022 administration, deployment, and management with advanced Active Directory configuration.
- ✓ Design and implement Microsoft Azure hybrid cloud solutions including VMs, containers, and serverless architecture.
- ✓ Configure and manage Microsoft 365 services including Teams, Exchange Online, SharePoint, and Intune MDM.
- ✓ Implement enterprise-grade network infrastructure with DNS, DHCP, routing, VPN, and Software-Defined Networking.
- ✓ Deploy and secure Microsoft Azure Active Directory (Entra ID) with conditional access, MFA, and Zero Trust policies.
- ✓ Automate IT operations using PowerShell scripting, Azure Automation, and Microsoft Copilot AI integration.
- ✓ Implement enterprise storage solutions including SAN, NAS, Storage Spaces Direct, and Azure File Sync.
- ✓ Configure disaster recovery and business continuity with Azure Site Recovery and Windows Server backup solutions.

Tools Covered

1. Windows Server Tools

- ✓ Active Directory Users & Computers
- ✓ Group Policy Management Console
- ✓ DNS Manager
- ✓ Hyper-V Manager
- ✓ DHCP Manager
- ✓ Windows Admin Center

2. Azure Management Tools

- ✓ Azure Portal
- ✓ Azure Resource Manager (ARM)
- ✓ Azure CLI
- ✓ Azure Monitor
- ✓ Azure PowerShell
- ✓ Azure Cost Management

3. Networking & Security Tools

- ✓ Network Policy Server (NPS)
- ✓ Remote Access Management Console
- ✓ Windows Defender Firewall
- ✓ Microsoft Endpoint Manager (Intune)
- ✓ Microsoft Defender for Endpoint
- ✓ Azure Sentinel / Microsoft SIEM

4. Automation & Scripting Tools

- ✓ PowerShell 7.x / ISE
- ✓ Azure Automation Runbooks
- ✓ Microsoft Copilot for IT Ops
- ✓ Windows Terminal
- ✓ Git / Azure DevOps
- ✓ Bicep / ARM Templates

5. Monitoring & Management Tools

- ✓ System Center Configuration Manager (SCCM)
- ✓ Azure Log Analytics
- ✓ Performance Monitor (PerfMon)
- ✓ Event Viewer
- ✓ Microsoft Operations Manager (SCOM)
- ✓ Nagios / Zabbix Integration

Course Content

Module 1	Windows Server 2022 Administration
Module 2	Active Directory & Identity Management
Module 3	Networking Infrastructure & DNS/DHCP
Module 4	Microsoft Azure Cloud Fundamentals
Module 5	Azure Virtual Machines & Containers
Module 6	Hybrid Cloud & Azure Site Recovery
Module 7	Microsoft 365 & Exchange Online
Module 8	Security, Compliance & Zero Trust
Module 9	PowerShell Automation & AI Copilot

Module 1 | Windows Server 2022 Administration

- Installation & Core Configuration
- Server Roles: DNS, DHCP, File Services
- Hyper-V Virtualization & Live Migration
- Windows Admin Center & Remote Management
- Storage Spaces, Data Deduplication & iSCSI

Module 2 | Active Directory & Identity Management

- AD DS Installation & Forest/Domain Design
- User, Group, and OU Management
- Group Policy Objects (GPO) — Advanced
- AD Federation Services (ADFS) & SSO
- Azure AD Connect & Hybrid Identity

Module 3 | Networking Infrastructure & Security

- TCP/IP, Subnetting & VLAN Configuration
- DNS Zones, Records, and Conditional Forwarding
- DHCP Scopes, Failover & PXE Boot
- Windows Firewall & NPS (RADIUS) Setup
- Software-Defined Networking (SDN) Basics

Module 4 | Microsoft Azure Cloud Fundamentals

- Azure Subscriptions, Resource Groups & RBAC
- Virtual Networks (VNet), Subnets & NSGs
- Azure Load Balancer & Application Gateway
- Azure Storage: Blob, File, Queue & Table
- Azure Cost Management & Governance Policies

Module 5 | Azure VMs, Containers & Kubernetes

- Azure Virtual Machine Deployment & Scaling
- Azure Container Instances & Docker Integration
- Azure Kubernetes Service (AKS) Fundamentals
- Azure Functions & Logic Apps — Serverless
- Azure DevOps CI/CD Pipelines & GitHub Actions

Module 6 | Hybrid Cloud & Business Continuity

- Azure Arc — Hybrid Resource Management
- Azure Site Recovery (ASR) Configuration
- Azure Backup & Recovery Services Vault
- VPN Gateway & ExpressRoute Connectivity
- Azure Monitor, Alerts & Log Analytics Workspace

Module 7 | Microsoft 365 & Collaboration Services

- Exchange Online: Mailboxes, DAG & Connectors
- Microsoft Teams Administration & Policies
- SharePoint Online & OneDrive Configuration
- Microsoft Intune: MDM & MAM Management
- Microsoft Purview: Compliance & Data Governance

Module 8 | Enterprise Security & Zero Trust

- Microsoft Entra ID (Azure AD) — Advanced
- Conditional Access & Multi-Factor Authentication
- Microsoft Defender XDR & Sentinel SIEM
- Privileged Identity Management (PIM)
- Zero Trust Architecture Implementation

Module 9 | Automation, AI & Exam Preparation

- Advanced PowerShell 7.x Scripting & Modules
- Azure Automation & Desired State Configuration
- Microsoft Copilot for IT Administrators
- Infrastructure as Code — Bicep & Terraform
- AZ-800, AZ-801, AZ-104 Exam Strategy & Mock Tests

Target Audience

- ✓ System Administrators
- ✓ Network Administrators
- ✓ IT Infrastructure Engineers
- ✓ Cloud Solutions Architects
- ✓ Windows Server Professionals
- ✓ Azure Administrators
- ✓ Help Desk Engineers (L2/L3)
- ✓ IT Security Professionals

Pre-Requisites

- ✓ Basic understanding of networking, Windows OS, and IT fundamentals. A+ or Network+ certification is recommended but not mandatory.

Exam Information

Certification Name	AZ-800 / AZ-801 (Windows Server Hybrid Admin)
Exam Format	Multiple Choice + Case Studies
Number of Questions	40–60 Questions
Exam Duration	120 Minutes
Passing Score	700 / 1000
Exam Delivery	Pearson VUE / Microsoft Certification Portal

Certifications You Can Earn

AZ-800: Administering Windows Server Hybrid Core Infrastructure

Associate Level



AZ-801: Configuring Windows Server Hybrid Advanced Services

Associate Level



AZ-104: Microsoft Azure Administrator

Associate Level



AZ-305: Azure Solutions Architect Expert

Expert Level



MS-102: Microsoft 365 Administrator Expert

Expert Level



SC-300: Microsoft Identity & Access Administrator

Associate Level



AZ-500: Microsoft Azure Security Technologies

Associate Level



Why Choose Airoman?



Expert Faculty

10+ years Microsoft enterprise experience trainers with real-world project background.



Live Lab Access

24/7 access to live Azure sandboxes and Windows Server virtual lab environments.



Cert Prep

Dedicated AZ-800, AZ-801, AZ-104 exam coaching with full practice test bank.



100% Placement

Dedicated placement cell with partnerships at top IT companies across India.



Flexible Batches

Morning, evening and weekend batches to suit working professionals.



Real Projects

Work on 5+ real-world enterprise IT infrastructure projects for your portfolio.



Small Batch Size

Max 12 students per batch ensuring personalised attention and doubt resolution.




Easy EMI

0% interest EMI options and scholarship programs available for deserving students.

Start Your MCSE Journey Today!

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Batches

Morning & Evening Batches
Weekend Batches Available
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