# MCSE: Microsoft Certified Solutions Expert Certification

13 – 17 June 2027
Istanbul (Turkey)



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## Why This Course

Mastering Microsoft Windows Server is essential for IT professionals managing modern enterprise infrastructures. This intensive 1-week MCSE training equips participants with in-depth knowledge of server administration, networking, security, and cloud integration. Through hands-on exercises and real-world scenarios, attendees gain practical skills to confidently manage Windows Server environments and prepare for MCSE certification.

## What You'll Learn and Practice

By attending this course, you will be able to:

- Install, configure, and manage Windows Server environments efficiently.
- Implement and administer Active Directory services, Group Policies, and PKI infrastructure.
- Configure advanced networking features and manage storage solutions.
- Design and deploy enterprise-grade security and access control measures.
- Integrate on-premises infrastructure with cloud services for hybrid deployments.

## The Program Flow

### Day 1: Windows Server Fundamentals

- Server installation and initial configuration
- Deploying Server Core and Nano Server
- Managing server roles and features
- Automating tasks with Windows PowerShell

### Day 2: Active Directory and Identity Management

- Deploying Active Directory Domain Services AD DS
- Implementing and managing Group Policies
- Administering user and computer accounts
- Configuring certificate services and PKI infrastructure



### Day 3: Networking and Storage

- Advanced TCP/IP configuration
- Managing DNS and DHCP services
- Software-defined networking SDN
- Storage Spaces and data deduplication

### Day 4: Security and Access Control

- Implementing Windows Firewall and IPsec
- Network Access Protection NAP
- Advanced file system permissions
- Privileged access management

### Day 5: High Availability and Disaster Recovery

- Configuring failover clustering
- Managing Hyper-V virtualization
- Backup and recovery strategies
- Azure integration and hybrid cloud scenarios

## Individual Impact

Participants will leave this course with:

- The ability to design and implement enterprise-grade Windows Server infrastructures.
- Practical skills to troubleshoot complex networking and security issues.
- Expertise in integrating on-premises and cloud services for hybrid environments.
- Confidence to pursue MCSE certification and advance their IT careers.

## Organizational Impact

Organizations will benefit from:

- Robust and secure Windows Server deployments.
- Improved operational efficiency and reduced downtime.
- Enhanced network and identity management capabilities.
- Skilled professionals ready to implement hybrid cloud solutions.



## Training Methodology

- Interactive lectures and discussions
- Hands-on labs in real Windows Server environments
- Scenario-based exercises for troubleshooting and problem-solving
- Case studies reflecting enterprise-level challenges

## Beyond the Course

By the end of this 1-week program, participants will be ready to:

- Deploy and manage enterprise Windows Server infrastructures with confidence.
- Ensure secure, high-performing network and identity management.
- Integrate on-premises and cloud environments for hybrid solutions.
- Apply knowledge toward achieving MCSE certification and career growth.

