MCSE: Microsoft Certified Solutions Expert Certification

5 – 9 April 2027
Barcelona (Spain)



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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.

