



MS10967 - Fundamentals of a Windows Server Infrastructure

Microsoft - Windows Server 2012 - Sistemistica

Durata:

5 Giorni

Lingue:

Italiano

Certificazione:

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Descrizione del corso

This five day course provides the networking, security, and system administration information that you need to implement a Windows Server infrastructure. It covers the basics of installation and configuration, storage, network infrastructure, network components, network protocols, server roles, Active Directory Domain Services (AD DS), Group Policy, IT security, server security, network security, security software, monitoring server performance, and maintaining a Windows Server. This course includes the foundational level knowledge to prepare students to start a career or cross train in Microsoft Windows Server technologies.

Programma

1. Installing and Configuring Windows Server 2012
 - Windows Server Architecture.
 - Installing Windows Server.
 - Configuring Services.
 - Configuring Devices and Device Drivers
2. Implementing Storage in Windows Server
 - Identifying Storage Technologies.
 - Managing Disks and Volumes.
 - Fault Tolerance
3. Understanding Network Infrastructure
 - Network Architecture Standards.
 - Local Area Networking.
 - Wide Area Networking.

ITCore Group

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- Wireless Networking.
- Connecting to the Internet.
- Remote Access.
- 4. Connecting Network Components
 - Understanding the OSI Model.
 - Understanding Media Types.
 - Understanding Adapters, Hubs, and Switches.
 - Understanding Routing
- 5. Implementing TCP/IP
 - Overview of TCP/IP.
 - IPv4 Addressing.
 - IPv6 Addressing.
 - Name Resolution.
- 6. Implementing Windows Server Roles
 - Role-Based Deployment.
 - Deploying Role-Specific Services.
 - Considerations for Provisioning Roles
- 7. Implementing Active Directory
 - Introducing Active Directory Domain Services (AD DS).
 - Implementing AD DS.
 - Managing Users, Groups, and Computers.
 - Implementing Group Policy
- 8. Implementing IT Security Layers
 - Overview of Defense-in-Depth.
 - Physical Security.
 - Internet Security
- 9. Implementing Security in Windows Server
 - Overview of Windows Security.
 - Securing Files and Folders.
 - Implementing Encryption
- 10. Implementing Network Security
 - Overview of Network Security.
 - Implementing Firewalls.
 - Internet Protocol Security (IPsec)
- 11. Implementing Security Software
 - Client Software Protection Features.
 - E-Mail Protection.

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- Server Protection
- 12. Monitoring Server Performance
 - Event Logging.
 - Performance Monitoring.
- 13. Maintaining Windows Server
 - Troubleshooting Windows Server Startup.
 - Server availability and Data Recovery.
 - Applying Updates to Windows Server.
 - Troubleshooting Windows Server

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