



MS20413 - Designing and Implementing a Server Infrastructure

Microsoft - Windows Server 2012 - Sistemistica

Durata:

5 Giorni

Lingue:

Italiano

Certificazione:

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Descrizione del corso

Get hands-on instruction and practice planning, designing and deploying a physical and logical Windows Server® 2012 R2 enterprise infrastructure in this 5-day Microsoft Official course. This course is part one in a series of two courses that provides the skills and knowledge necessary to design and implement a Windows Server 2012 R2 infrastructure in an enterprise environment. The two courses collectively cover designing, planning, deploying, securing, monitoring, automating, and virtualizing an enterprise server infrastructure. This course covers the knowledge and skills needed to provide an enterprise solution that supports manual and automated server installations in a physical and virtual environment including the supporting file and storage services. You will also learn the skills necessary to provide enterprise networking solutions such as DHCP, IPAM, VPN, and DirectAccess. You will also learn the skills necessary to design and implement a forest and domain infrastructure including multi domains/forest and branch office scenarios. This course maps directly to and is the preferred choice for hands-on preparation for Microsoft Certified Solutions Expert (MCSE): Exam 413: Designing and Implementing and Server Infrastructure, which is the fourth of five exams required for MCSE: Server Infrastructure certification.

Programma

1. Planning a Server Upgrade and Migration
 - Upgrade and Migration Considerations
 - Creating a Server Upgrade and Migration Plan
 - Planning for Virtualization
2. Planning and Implementing a Server Deployment Infrastructure

ITCore Group

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- Selecting an Appropriate Server Imaging Strategy
- Selecting a Deployment Automation Strategy
- Implementing an Automated Deployment Strategy
- 3. Designing and Maintaining an IP Configuration and Address Management Solution
 - Designing and Implementing DHCP
 - Planning and Implementing DHCP Scopes
 - Planning and Implementing an IPAM Provisioning Strategy
- 4. Designing and Implementing Name Resolution
 - Designing a Domain Name System (DNS) Server Implementation Strategy
 - Designing the DNS Namespace
 - Designing and Implementing DNS Zones
 - Designing and Configuring DNS Zone Replication and Delegation
 - Optimizing DNS Servers
 - Designing DNS for High availability and Security
- 5. Designing and Implementing an Active Directory Domain Services Forest and Domain Infrastructure
 - Designing an AD DS Forest
 - Designing and Implementing AD DS Forest Trusts
 - Designing and Implementing AD DS Domains
 - Designing DNS Namespaces in AD DS Environments
 - Designing AD DS Domain Trusts
- 6. Designing and Implementing an Active Directory Organizational Unit Infrastructure
 - Planning the Active Directory Administrative Tasks Delegation Model
 - Designing the OU Structure
 - Designing and Implementing an Active Directory Group Strategy
- 7. Designing and Implementing a Group Policy Object Strategy
 - Gathering the Information Required for a GPO Design
 - Designing and Implementing GPOs
 - Designing GPO Processing
 - Planning Group Policy Management
- 8. Designing and Implementing an Active Directory Domain Services Topology
 - Designing and Implementing AD DS Sites

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- Designing AD DS Replication
- Designing the Placement of Domain Controllers
- Virtualization Considerations for Domain Controllers
- 9. Planning and Implementing Storage
 - Storage Considerations
 - Planning and Implementing iSCSI SANs
 - Storage Spaces in Windows Server 2012
- 10. Planning and Implementing File Services
 - Planning and Implementing DFS
 - Planning and Implementing BranchCache
 - Planning and Implementing Dynamic Access Control
- 11. Designing and Implementing Network Access Services
 - Designing and Implementing Remote Access Services
 - Designing RADIUS Authentication by Using NPS
 - Designing a Perimeter Network
 - Planning and Implementing DirectAccess
- 12. Designing and Implementing Network Protection
 - Overview of Network Security Design
 - Identifying and Mitigating Common Network Security Threats
 - Designing and Implementing a Windows Firewall Strategy
 - Designing and Implementing a NAP Infrastructure

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