MCSA Windows Server 2012 Installation and Configuration

Session 1

Section A: Plan Windows Server Installation

- Server Installation Scenario
- Server Editions
- Server Requirements
- Plan Roles for Servers

Section B: Installing Windows Server 2012

- Server Core and GUI
- Virtual Machine Install Demo

Section C: Upgrading from Previous Versions

- Plan Server Upgrade
- Upgrade from Windows Server 2008
- Upgrade Compatibility

Section D: Configuring Initial Installation

- First Steps after Installation
- Configure Server Core
- Strong Passwords
- Continue Server Core Configuration
- Compare to GUI Installation
- Rename Computer
- Server Manager

Section E: PowerShell

- PowerShell Commands
- PowerShell ISE
- WhatIf

Section F: Other Tasks and Features

- More Initial Configuration Tasks
- Create Account in Server Core
- Create Admin Account with GUI
- Features on Demand
- DISM
- Add Features in Offline Images
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Section G: Server Installation Conversion

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GUI Initial Configurations
Configure Services
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Session 2

Section A: Active Directory

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- Read Only Domain Controller
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- Test Core Machine Domain Controller
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Section B: Organize and Manage Active Directory

- Promote Core Machine
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- Install from Media
- IFM and Service Records
- DNS Manager and Service Records
- Global Catalog
- Active Directory Sites and Services
- Active Directory on Windows Azure
- Domain Users and Computers
- Create Users and Computers
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- Copy or Delete Users and Computers
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- Automate Active Directory Accounts
- Perform Bulk Active Directory Options
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- Convert Groups
- Organizational Units
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Session 3

Section A: Netting Windows Server

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• Decimal to Binary Conversion
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• Interoperability between IPv4 and IPv6
• IPv6 Translation
• ISATAP and Teredo
• Configure ISATAP and Teredo

Section C: Dynamic Host Configuration Protocol

• Deploy DHCP
• Install DHCP
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• Authorize DHCP Server
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• Further DHCP Configuration
• PXE Boot
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Section D: DNS

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• Integration of Primary Zones
• Host and PTR Resource Records

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• Key Sharing Points
• Create and Configure Shares
• Verify Share Permissions
• Configure Offline Files
• NTFS Permissions
• Network Folders: On Further Review
• Access-Based Enumeration
• Volume Shadow Copy Service
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• NTFS Quotas
• Work Folders
• Configure Work Folders

Section F: Print and Document Servers

• Configure Print and Document Services
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• Printer Drivers and Pooling
• Print Management
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• Enable Printer Pooling
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Section A: Configure Local Storage

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• Storage Pools and Disk Pools
• Storage Pool by Using a Disk Enclosure
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• Day-to-Day Management Tasks
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• Differencing Disks
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• Pass-Through Disks
• Hyper-V Virtual Machines and Snapshots
• Storage Quality of Service

Section D: Virtual Networks

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Session 5

Section A: Group Policy Objects

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Central Store
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- Security Filtering
- Configure Security Policies
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- Group Permission Using Group Policy
- Permissions and Rights
- User Rights Management
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- Audit Policy
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- Local Users and Groups
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Section C: Application Restriction Policy

- Configure Application Restriction
- Configure AppLocker Rules
- Configure Rule Enforcement
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- Configure Windows Firewall
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- Connection Security Rules
- Authenticated Firewall Exceptions
- Create Inbound and Outbound Rules
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