

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
- Remove Features in Offline Images

Section G: Server Installation Conversion

- Convert the Server Installation
- Convert Server Core to GUI
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- GUI Initial Configurations
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- PowerShell Desired State Configuration
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Session 2

Section A: Active Directory

- Introduction to Active Directory
- Steps of Active Directory
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- Promote to Domain Controller
- Read Only Domain Controller
- Prerequisites Check
- Test Core Machine Domain Controller
- Install AD DS on Test Core Machine

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
- Configure Users and Computers
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- Active Directory Bulk Tasks
- Automate Active Directory Accounts
- Perform Bulk Active Directory Options
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- Create and Manage AD Groups
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- Delete and Enumerate Groups
- Convert Groups
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Session 3

Section A: Netting Windows Server

- Netting the Windows Server Environment

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- Decimal to Binary Conversion
- Calculate Size of Subnet
- Supernetting

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- IPv4 vs. IPv6
- Interoperability between IPv4 and IPv6
- IPv6 Translation
- ISATAP and Teredo
- Configure ISATAP and Teredo

Section C: Dynamic Host Configuration Protocol

- Deploy DHCP
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- Authorize DHCP Server
- DHCP Address Scope
- Configure DHCP Options
- Further DHCP Configuration
- PXE Boot
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Section D: DNS

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- DNS Cache
- Integration of Primary Zones
- Host and PTR Resource Records

Section E: File and Share Access Protocol

- Sharing and Security Permissions
- 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
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- Configure Work Folders

Section F: Print and Document Servers

- Configure Print and Document Services
- Enterprise Print Management
- Printer Drivers and Pooling
- Print Management

- Add Printer
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- Enable Printer Pooling
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- Printer Permissions
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Session 4

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- Configuring Local Storage
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- Virtual Hard Drive
- 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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- Manage Multiple Servers
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Section B: Virtual Machine Settings

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- Windows Server 2012 Hyper-V Features

Section C: Create/Configure Virtual Machine Storage

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- Differencing Disks
- Modify VHDs
- Pass-Through Disks
- Hyper-V Virtual Machines and Snapshots
- Storage Quality of Service

Section D: Virtual Networks

- Set up Virtual Networks
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Session 5

Section A: Group Policy Objects

- Create and Manage in Group Policy

- Why Configure a Central Store?
- Central Store
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- Starter GPOs
- Create Limitations Example

Section B: Security Policies

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- Disable View of Control Panel
- Security Filtering
- Configure Security Policies
- Default Domain Policy
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- Permissions and Rights
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- Security Option Settings
- Audit Policy
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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
- Rules for Multiple Profiles
- Connection Security Rules
- Authenticated Firewall Exceptions
- Create Inbound and Outbound Rules
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