MCITP

CURRICULUM

» **70-680 Windows 7**

- **Installing, Upgrading, and Migrating to Windows 7**
  - Describe the key features, editions, and hardware requirements of Windows 7
  - Perform a clean installation of Windows 7
  - Upgrade and Migrate to Windows 7 from an earlier version of Windows
  - Perform an image-based installation of Windows 7
  - Resolve common application compatibility issues.
- **Configuring User Account and Group Management**
  - Local User and Group
  - Built - in User and Group
- **Configuring Disks and Device Drivers**
  - Partitioning Disks in Windows 7
  - Managing Disk Volumes
  - Maintaining Disks in Windows 7
  - Installing and Configuring Device Drivers
  - Configuring Disk Quotas (Optional)
  - Updating a Device Driver
- **Configuring File Access on Windows 7 Client Computers**
  - Overview of Windows File Systems
  - Managing File Access in Windows 7
  - Managing Shared Folders
  - Configuring File Compression
  - Create and Configure a Public Shared Folder for all Users
- **Configuring Network Connectivity**
  - Configuring IPv4 Network Connectivity
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Overview of Name Resolution
  - Troubleshooting Network Issues
  - Configuring Network Connectivity
- **Securing Windows 7 Desktops**
  - Overview of Security Management in Windows 7
  - Securing a Windows 7 Client Computer by Using Local Security Policy Settings
  - Securing Data by Using EFS
  - Configuring User Account Control
  - Configuring Windows Firewall
  - Configuring Security Settings in Internet Explorer 8
  - Configuring Windows Defender
- **Configuring Remote Access in Windows 7**
  - Configuring Remote Desktop and Remote Assistance for Remote Access

» 70-640 Active Directory

- **Introducing Active Directory Domain Services**
  - Overview of Active Directory, Identity, and Access
  - Active Directory Components and Concepts
  - Install Active Directory Domain Services
- **Designing an Active Directory Forest Infrastructure in Windows Server 2008**
  - Determining Active Directory Forest Design Requirements
  - Designing an Active Directory Forest
  - Designing Active Directory Forest Trusts
  - Managing the Active Directory Schema
  - Understanding Windows Time Service
- **Designing an Active Directory Domain Infrastructure in Windows Server 2008**
  - Designing Active Directory Domains
  - Designing the Integration of DNS Namespaces
  - Designing the Placement of Domain Controllers
  - Designing Active Directory Domain Trusts
- **Administering Active Directory Securely and Efficiently**
  - Work with Active Directory Administration Tools
  - Find Objects in Active Directory
- **Managing Users and Service Accounts**
  - Create and Administer User Accounts
  - Configure User Object Attributes
  - Create and Configure Managed Service Accounts
- **Managing Groups**
  - Overview of Groups
  - Administer Groups
  - Best Practices for Group Management
- **Managing Computer Accounts**
  - Create Computers and Join the Domain
  - Administer Computer Objects and Accounts
  - Perform an Offline Domain Join
- **Implementing a Group Policy Infrastructure**
  - Understand Group Policy
  - Implement GPOs
  - Manage Group Policy Scope
  - Group Policy Processing
  - Troubleshoot Policy Application
- **Managing User Desktop with Group Policy**
  - Implement Administrative Templates
  - Configure Group Policy Preferences
  - Manage Software with GPSI
- **Managing Enterprise Security and Configuration with Group Policy Settings**
  - Manage Group Membership by Using Group Policy Settings
  - Manage Security Settings
  - Auditing
- **Securing Administration**
  - Delegate Administrative Permissions
  - Audit Active Directory Administration
- **Improving the Security of Authentication in an AD DS Domain**
  - Configure Password and Lockout Policies
  - Audit Authentication
  - Configure Read-Only Domain Controllers
- **Configuring Domain Name System**
  - Install and Configure DNS in an AD DS Domain
  - Integration of AD DS, DNS, and Windows
  - Advanced DNS Configuration and Administration

- **Administering AD DS Domain Controllers**
  - Domain Controller Installation Options
  - Install a Server Core Domain Controller
  - Manage Operations Masters
  - Configure Global Catalog
- **Managing Sites and Active Directory Replication**
  - Configure Sites and Subnets
  - Configure Replication
- **Directory Service Continuity**
  - Configure Sites and Subnets
  - Configure Replication
- **Managing Multiple Domains and Forests**
  - Configure Domain and Forest Functional Levels
  - Manage Multiple Domains and Trust Relationships
  - Move Objects between Domains and Forests
- **Deploying and Configuring Active Directory Certificate**
  - Overview of Active Directory Lightweight Directory Services
  - Deploying and Configuring Active Directory Lightweight Directory Services
  - Configuring AD LDS Instances and Partitions
  - Configuring Active Directory Lightweight Directory Services
  - Replication
  - Troubleshooting Active Directory Lightweight Directory Services
- **Deploying and Configuring Active Directory Lightweight Directory Services**
  - Overview of Active Directory Lightweight Directory Services
  - Deploying and Configuring Active Directory Lightweight Directory Services
  - Configuring AD LDS Instances and Partitions
  - Configuring Active Directory Lightweight Directory Services
  - Replication
  - Troubleshooting Active Directory Lightweight Directory Services
- **Deploying and Configuring Active Directory Federation Services**
  - Overview of Active Directory Federation Services 2.0
  - Deploying Active Directory Federation Services
  - Configuring Active Directory Federation Services Partner
  - Organizations and Claims
  - Troubleshooting Active Directory Federation Services
- **Deploying and Configuring Active Directory Rights Management Services**
  - Overview of Active Directory Rights Management Services
  - Deploying and Configuring Active Directory Rights Management Services
  - Configuring AD RMS Rights Policy Templates and Exclusion Policies
  - Configuring Active Directory Rights Management Services Trust Policies
  - Troubleshooting Active Directory Rights Management Services

» 70-642 Network Infrastructure

- **Planning and Configuring Ipv4**
  - Implementing an IPv4 Network Infrastructure
  - Overview of Name Resolution Services in an IPv4 Network Infrastructure
  - Configuring and Troubleshooting Ipv4
  - Selecting an IPv4 Addressing scheme for branch offices
  - Implementing and Verifying IPv4 in the branch office
- **Configuring and Troubleshooting DHCP**
  - Overview of the DHCP Server Role
  - Configuring DHCP Scopes
  - Configuring DHCP Options
  - Managing a DHCP Database
  - Monitoring and Troubleshooting DHCP
  - Configuring DHCP Security

- **Configuring and Troubleshooting DNS**
  - Installing the DNS Server Role
  - Configuring the DNS Server Role
  - Configuring DNS Zones
  - Configuring DNS Zone Transfers
  - Managing and Troubleshooting DNS
- **Configuring and Troubleshooting IPv6 TCP/IP**
  - Overview of Ipv6
  - IPv6 Addressing
  - Coexistence with Ipv6
  - IPv6 Transition Technologies
  - Transitioning from IPv4 to Ipv6
- **Configuring and Troubleshooting Routing and Remote Access**
  - Configuring Network Access
  - Configuring VPN Access
  - Overview of Network Policies
  - Troubleshooting Routing and Remote Access
  - Configure the PKI Environment
  - Configuring RADIUS Clients and Servers
- **Implementing Network Access ProtectionIn this module**
  - Overview of Network Access Protection
  - How NAP Works
  - Configuring NAP
- **Increasing Security for Windows ServersSecurity is an essential consideration for networking with Windows Server 2008**
  - Windows Security Overview
  - Configuring Windows Firewall with Advanced Security
  - Deploying Updates with Windows Server Update Services
- **Increasing Security for Network CommunicationInternet Protocol security (Ipsec)**
  - Overview of Ipsec
  - Configuring Connection Security Rules
  - Monitoring and Troubleshooting Ipsec
- **Configuring and Troubleshooting Network File and Print Services**
  - Configuring and Troubleshooting File Shares
  - Encrypting Network Files with EFS
  - Encrypting Partitions with BitLocker
  - Configuring and Troubleshooting Network Printing
- **Optimizing Data Access for Branch Offices**
  - Branch Office Data Access
  - DFS Overview
  - Overview of DFS Namespaces
  - Configuring DFS Replication
- **Controlling and Monitoring Network Storage**
  - Monitoring Network Storage
  - Controlling Network Storage Utilization
  - Managing File Types on Network Storage
- **Recovering Network Data and Servers**
  - Recovering Network Data with Volume Shadow Copies
  - Recovering Network Data and Servers with Windows Server Backup
- **Monitoring Windows Server 2008 Network Infrastructure Servers**
  - Monitoring Tools
  - Using Performance Monitor
  - Monitoring Event Logs

» 70-643 Applications Infrastructure, Configuring

- **Installing and Configuring Microsoft Windows Server 2008 R2**
  - Planning Windows Server 2008 R2 Installations
  - Performing a Windows Server 2008 R2 Installation
  - Configuring Windows Server 2008 R2 Following Installation
  - Automating Server Activation Using Microsoft Volume Activation
- **Implementing Deployment Technologies**
  - Selecting a Deployment Strategy
  - Using the Windows Automated Installation Kit
  - Working with Images
  - Working with Unattended Answer Files
- **Using Windows Deployment Services**
  - Overview of Windows Deployment Services (WDS)
  - Implementing Deployment with WD
  - Maintaining Images
- **Active Directory Directory Service**
  - Overview of Upgrading Windows Server 2008 R2 Active Directory
  - Upgrading Domain Controllers to Windows Server 2008 R2
- **File, Print, and Web Services**
  - Introducing the Windows File and Print Servers
- **Deploying Branch Office and Remote Access Services**
  - Implementing Read-Only Domain Controllers
  - Implementing Remote Infrastructure
- **Migrating Workloads to Microsoft Virtual Machines**
  - Overview of Microsoft Virtualization
  - Installing Hyper-V
- **Configuring Terminal Services Core Functionality**
  - Configuring TS Role
  - Configuring TS Settings
- **Configuring and Managing Terminal Services Licensing**
  - Configuring TS Licensing
  - Managing TS Licenses
  - Installing Applications
  - Configuring Remote Applications
  - Configuring Printers
  - Configuring Terminal Services Web Access
  - Installing the TS Web Access Role Service
  - Configuring Session Broker
- **Configuring and Troubleshooting Terminal Services Gateway**
  - Configuring TS Gateway
  - Troubleshooting TS Gateway Connectivity Issues
- **Configuring an IIS 7.0 Web Server**
  - Introducing Internet Information Services 7.0
  - Installing the Web Server Role in Windows Server 2008
  - Configuring Application Development, Health, and HTTP Features
  - Configuring Performance, Security, and Server Component Features
- **Configuring IIS 7.0 Web Sites and Application Pools**
  - Introducing Web Sites and Application Pools
  - Creating a Web Site
  - Creating an Application Pool
  - Maintaining an Application Pool

- **Securing the IIS 7.0 Web Server and Web Sites**
  - Configuring Secure Web Sites and Servers
  - Configuring Logging for IIS 7.0
- **Configuring Delegation and Remote Administration**
  - Configuring Remote Administration
  - Configuring Feature Delegation
  - Backing Up and Restoring Web Sites
  - Working with Shared Configurations

» 70-647 Windows Server 2008, Enterprise Administrator

- **Overview of Network Infrastructure Design**
  - Preparing for Network Infrastructure Design
  - Designing the Network Topology
  - Designing Network Infrastructure for Virtualization
  - Designing a Change Management Structure for a Network
- **Designing Network Security**
  - Overview of Network Security Design
  - Creating a Network Security Plan
  - Identifying Threats to Network Security
  - Analyzing Security Risks
- **Designing IP Addressing**
  - Designing an IPv4 Addressing Scheme
  - Designing an IPv6 Addressing Scheme
  - Designing DHCP Implementation
  - Designing DHCP Configuration Options
- **Designing Routing and Switching**
  - Preparing for Designing a Network Routing Topology
  - Selecting Network Devices
  - Designing Internet Connectivity and Perimeter Networks
  - Designing Routing Communications
  - Evaluating Network Performance
- **Designing Security for Internal Networks**
  - Designing Windows Firewall Implementation
  - Overview of IPSec
  - Designing IPSec Implementation
- **Designing File Services and DFS in Windows Server 2008**
  - Designing File Services
  - Designing DFS
  - Designing the FSRM Configuration
- **Designing Print Services in Windows Server 2008**
  - Overview of a Print Services Design
  - Windows Server 2008 Printing Features
  - Designing Print Services
- **Designing Active Directory High Availability in Windows Server 2008**
  - Understanding AD DS High Availability
  - Designing an AD DS High Availability Strategy

- **Designing AD DS Disaster Recovery in Windows Server 2008**
  - Designing an Active Directory Database Maintenance Strategy
  - Designing an Active Directory Backup and Recovery Strategy
  - Designing an AD DS Monitoring Strategy
- **Designing Public Key Infrastructure in Windows Server 2008**
  - Overview of PKI and Active Directory Certificate Services
  - Designing a Certification Authority Hierarchy
  - Designing Certificate Template
  - Designing Certificate Distribution and Revocation
- **Designing an AD LDS Implementation**
  - AD LDS Deployment Scenarios
  - Overview of an AD LDS Implementation Design
  - Designing AD LDS Schema and Replication
  - Integrating AD LDS with AD DS
- **Designing Active Directory Migrations in Windows Server 2008**
  - Choosing an Active Directory Migration Strategy
  - Designing a Domain Upgrade Strategy
  - Designing a Domain Restructure Strategy

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