MCSA Windows Server 2012 Administrator

Session 1

Section A: Server Images

- Deploy and Manage Server Images
- Install WDS
- Manage Boot and Install Images
- Install Features for Offline Images
- Discover Images
- Trivial File Transfer
- Patches, Hotfixes, and Drivers
- Driver Group and Packages

Section B: Patch Management

- Implement Patch Management
- Install WSUS
- Group Policies for Updates
- Client-Side Target
- Post-Installation Wizard, WSUS Sync
- WSUS Mixed Environments, WSUS Group

Section C: File Server Resource Manager

- Configure File Server Resource Manager
- Install FSRM
- Quotas
- File Screens
- Storage Reports
- File Management Task
- Configure File and Disk Encryption
- BitLocker Encryption
- BitLocker and EFS
- Network Unlock
- BitLocker Policies
- EFS Recovery, BitLocker Certificates

Session 2

Section A: Distributed File System

- Configure Distributed File System
- Install DFS
- Namespaces
- Add Folders to Namespace
- File Explorer
- DFS Replication Targets
- Replication Schedule
- Remote Differential Compression Settings
- Staging
- DFS Features
- Fault Tolerance
- Clone a DFS Database

- Recover a DFS Database
- Optimize DFS Replication

Section B: DNS Zones

- Configure DNS Zones
- Primary and Secondary Zones
- Zone Transfer Settings, Notice Settings
- Stub Zones
- Conditional Forwarders
- Zone Delegation

Section C: DNS Records

- Configure DNS Records
- DNS Resource Records
- Create DNS Records
- Priority and Weight Records
- Zone Scavenging
- Time to Live
- Round Robin
- Secure Dynamic Updates

Section D: VPN and Routing

- Configure VPN and Routing
- Install Remote Access Role
- Web Application Proxy
- Getting Started Wizard
- Edit Wizard Settings
- VPN Settings
- Network Address Translation
- Configure VPN Settings
- Remote Dial-In Settings for Users
- Routing

Section E: DirectAccess

- Configure DirectAccess
- Server Configuration
- Client Configuration
- Certificates for DirectAccess

Session 3

Section A: Network Policy Server

- Configure Network Policy Server
- Install Network Policy and Access
- What Is RADIUS?
- RADIUS Clients
- Multiple RADIUS Server Groups
- Single RADIUS Client
- Configure NPS Templates
- Manage RADIUS Templates
- RADIUS Accounting

- RADIUS Proxy

Section B: NPS Policy

- Configure NPS Policy
- Authentication Methods
- NPS Certificates
- Connection Request Policies
- Specify Authentication Methods
- Network Policy for VPN Clients
- New Network Policy
- Manage NPS Templates
- Import and Export NPS Policies

Section C: Network Access Protection

- Configure NAP
- System Health Validators
- Health Policies
- Enforce NAP
- Remediation Using DHCP
- Remediation Servers
- Remediation Using VPN
- NAP Client Settings

Section D: Monitor Servers

- Configure Monitor Servers
- Performance Monitor
- New DCS
- Alerts
- Monitor Events
- Real-Time Performance
- Monitor Virtual Machines
- Event Viewer
- Event Subscription
- Network Monitoring
- Other Network Monitoring Tools
- Schedule Performance Monitoring

Session 4

Section A: Service Authentication

- Configure Service Authentication
- Types of Service Accounts
- Domain User Accounts
- Managed Service Accounts
- Group Managed Service Accounts
- Assign to Service
- Virtual Accounts
- Kerberos Delegation
- Service Principal Name

Section B: Domain Controllers

- Configure Domain Controllers
- Universal Group Membership Cache
- Operations Masters
- Seize and Transfer Control
- Read Only Domain Controller
- RODC Purpose
- Domain Controller Cloning
- Domain Controller, Password Replication

Section C: Active Directory

- Maintain Active Directory
- Back Up Active Directory and SYSVOL
- Active Directory Restore, Recovery
- Active Directory Repair, Restore
- Repair, Reboot
- Authoritative and Non-Authoritative
- AD Offline, Optimize AD Database
- Clean Up Metadata
- Active Directory Snapshots
- AD Recycle Bin
- Delete User, Restore Accountant
- PowerShell History

Section D: Account Policies

- Configure Account Policies
- Domain User Password Policy
- Account Lockout Policy
- Kerberos
- Kerberos Policy Settings
- Password Settings Objects
- Local User Password Policy
- Password Settings Management

Session 5

Section A: Group Policy Processing

- Configure Group Policy Processing
- Policy Processing Order
- Create Service Account
- Link Group Policy Objects
- Blocking vs. Enforcing
- Blocking of Inheritance
- Enforcement Policies
- Security Filtering
- WMI Filtering
- Loopback Processing
- Manage Slow Link Processing
- Client-Side Extension
- Force Group Policy Update
- Group Policy Cache

Section B: Group Policy Settings

- Configure Group Policy Settings
- Software Installation
- Folder Redirection
- Scripts
- Administrative Templates Settings
- Import Security Templates
- Custom Administrative Templates
- Property Filters for Admin Templates

Section C: Group Policy Objects

- Manage Group Policy Objects
- Back Up and Delete GPO
- Restore GPO
- Copy GPO
- Import GPO
- Create and Configure Migration Table
- Reset Default GPO
- Delegate Group Policy Management
- Group Policy Management
- Group Policy Preferences
- Item-Level Targeting
- Control Panel Settings

Section D: Advanced Audit Policies

- Configure Advanced Audit Policies
- Audit using Group Policy Traditional
- Advanced Look
- Auditpol.exe
- Expression-Based Audit Policies
- Removable Device Audit Policies