

MCSA Windows Server 2012 Configuring Advanced Services

Session 1

Section A: Windows Server 412

- 70-412 Project
- Network Load Balancing
- Prerequisites for NLB
- Install NLB
- Cluster Configuration
- Unicast vs. Multicast vs. IGMP
- Multicast
- Port Rules and Affinity
- Cluster Operation Mode
- Upgrade an NLB Cluster

Section B: Failover Clustering

- Configure Failover Clustering
- First Steps
- iSCSI Target
- iSCSI Virtual Disk Wizard
- Add Initiator
- Assign iSCSI
- iSCSI Initiator
- Virtual Disks Online
- Configure Quorum
- Cluster Networking
- Cluster Configuration
- Create Cluster
- Single Node
- Cluster Quorum
- Configure Cluster Networks
- More Failover Cluster Configuration
- Cluster-Aware Updating
- Upgrade a Cluster
- Clustered Shared Volumes
- Cluster without Network Names
- Storage Spaces

Section C: Failover Clustering Roles

- Manage Failover Clustering Roles
- High Availability File Sharing
- Add File Share to Role
- Virtual Machine Monitoring
- Failover and Preference Settings
- Guest Clustering

Section D: Virtual Machine Movement

- Manage VM Movement
- Prerequisites for Handling VM Movement

- Migration Types
- Copy, Import, Export
- Migrate from other Platforms
- Pass-Through Disk
- VM Network Health Protection
- Drain on Shutdown

Session 2

Section A: Advanced File Services

- File and Storage Solutions
- NFS Data Storage
- BranchCache
- Group Policy Update
- FCI Using FSRM
- Run Classification Report
- File Access Auditing
- GP Results

Section B: Dynamic Access Control

- Implement DAC
- Set Up Attributes
- Create and Use Claim Type
- Create Device Claim Type
- Resource Properties, List
- File Classification
- Classification Rule
- Check File Classification
- Central Access Rules
- Central Access Policies
- Apply Central Access Policies
- Actual Steps for DAC
- Perform Access- Denied Remediation
- Implement Policy Changes

Section C: Optimize Storage

- Configure and Optimize Storage
- Internet Storage Name Server
- Thin Provisioning
- Features and Demand
- Tiered Storage
- Configure and Manage Backups
- Windows Server Backup
- Windows Online Backup
- Role Specific Backup
- Backup Once Wizard
- VSS Settings Using a VSS Administration
- Recover Server
- Types of Recoveries
- Restore from Backup
- Boot into Recovery Environment
- Boot Configuration

Section D: Site Level Fault Tolerance

- Configure Site Level Fault Tolerance
- Hyper-V Replica Including Broker and VM
- Multi-Site Clustering
- Hyper-V Replica Extended Replication
- Global Update Manager
- Multi-Site Failover Cluster

Session 3

Section A: Dynamic Host Configuration Protocol

- Advanced DHCP Solution
- DHCP Scopes
- Create Superscope
- Create Multicast Scope
- Create a Split Scope
- High Availability DHCP Failover
- High Availability Split Scope
- DHCP v6
- Name Protection
- DNS Registration

Section B: Advanced DNS Solution

- Implement an Advanced DNS Solution
- DNS Security
- DNSSEC, Socket Pool, Cache Lock
- Turn on DNS Security
- Size of Socket Pool, Server Cache
- DNS Log Files
- Event Planner
- Delegated Administration
- Recursion and Netmask Ordering
- Apply, Disable Recursion, Netmask
- GlobalNames Zone
- Set Up a GlobalNames Zone
- Analyze Zone Level Statistics

Section C: Deploy and Manage IPAM

- What is IPAM?
- Provision IPAM Server, Group Policy
- Invoke IPAM GPO Provisioning
- Server Discovery
- Security Group
- Security Filtering
- Start Server Discovery
- IP Address Blocks
- IP Address Range
- Utilization of IP Address Space
- Migrate to IPAM
- IPAM Administration
- IPAM Collections
- IPAM Database Storage

Session 4

Section A: Forest or Domain

- Configure a Domain and a Forest
- New Domain Structure
- Child Domain to an Existing Forest
- Tree Domain to an Existing Forest
- Create a New Forest
- Add a New Forest
- Upgrading Domains and Forests
- Upgrade AD from 2008 to 2012
- User Principal Name Suffixes

Section B: Trusts

- Configure Trusts
- Types of Trusts
- Trust Directions
- Stub Zone
- Create Forest Trusts
- Trust Authentication
- Outgoing Trust
- Joint Marketing Group
- Forest-Wide to Selective
- SID Filtering
- Name Suffix Routing

Section C: Sites

- Configure Sites
- What is a Site?
- Create Sites
- Create Subnets
- Review Sites
- Site Links
- Create Site Links
- Site Coverage
- Move Domain Controllers between Sites
- Registration of SRV Records

Section D: Active Recovery

- Manage AD and SYSVOL Replication
- How Does Replication Happen?
- Replication to RODCs
- Password Replication Policies for RODCs
- Prepopulate Passwords
- Monitor and Manage Replication
- Upgrading SYSVOL Replication

Session 5

Section A: AD FS

- Implement AD FS
- What is AD FS?
- Install AD FS

- Implement Claims-Based Authentication
- Configure Claims Provider Trust Rules
- Attribute Stores Including AD LDS
- Attribute Editor
- Manage AD FS Certificates
- Configure AD FS Proxy
- Integrate with Cloud Services
- Authentication Policies
- Workplace Join
- Multi-Factor Authentication

Section B: AD CS

- Active Directory Certificate Services
- Install Enterprise Certificate Authority
- CRL
- AD CS Configuration
- CRL Distribution Points
- Certificate Templates
- Install Online Responder
- Configure Online Responder
- Administrative Role Separation
- CA Backup and Recovery
- Issue Recovery Services

Section C: Certificates

- Manage Certificates
- Certificate Templates
- Certificate Deployment, Validation, Renew
- Enrollment, Renewal Using Group Policies
- Key Archival and Recovery

Section D: Rights Management Services

- Install and Configure AD RMS
- AD RMS
- Install Licensing or Certificate Server
- AD RMS Connection Point
- AD RMS Client Deployment
- Trusted User Domains
- Trusted Publishing Domains
- Federated Identity Support
- RMS Templates
- Exclusion Policies
- Back Up and Restore AD RMS