MCSE

Microsoft Certification System Engineer (MCSE): Windows Server 2012 Server Administrator Training: (Exams 70-410, 70-411,70-412, 70-413, 70-414)

Networking Basics, Review & Configuration of IP Address Review of Networking & Topologies
Network models
What is an IP Address & IP Address Review

Network Essentials

- Networking Concepts, History of Server OS
- Introduction to windows server 2008 & 2012
- Features of Windows Server 2012
- Installation of Windows Server 2012
- Introduction and Creation of Users accounts
- Conversion of GUI to Server Core
- Conversion of Server Core to GUI

Active Directory - Domain Services

- IP Addressing
- Logical Topologies - Peer-Peer & Domain Models
- Introduction to Directory Services
- Evolution of Active Directory Services - LDAP Protocol
- Features of Active Directory
- Installing Active Directory – Domain Controller

Member Servers, Clients, User Configuration

- Configuring Member Servers and Clients.
- Creating Users in AD-DS
- User Logon policies
- Password policies
- Account Lockout policies
- User properties

Permissions/Access Control Lists

- File Systems
- Security and Sharing Permissions - Folders & Files
- Offline Folders

Profiles and File Server Resource Manager [FSRM]

- Types of Profiles – Local & Roaming
- Home Folder
- Configuring Quotas using FSRM
- Implementing File Screening using FSRM
- Configuring Storage Reports Management.

Distributed File System

- Creating Organisational Unit
- Delegating Control to a User
- Active Directory Recycle Bin
- DFS Namespace
- DFS Folders

Logical Structure of AD - DS

- Configuring ADC
- Tree Structure - Child Domain
- Forest Structure

FSMO Roles of AD – DS

- Roles of AD - DS
- Transferring of Roles
- Seizing of Roles

Group Policy / System Policies

- User and Computer Policies
- Scope of Policies ï¿½ OU, Domain, Sites
- Group Policy Modeling (RSOP)
- Software Deployment
- Scripts, Folder Redirection
- Group Policy Preferences

RODC & Physical Structure of AD-DS

- Introduction & Configuration of Read-Only Domain Controller
- SITES and Global Catalog
- Backup Strategies
- Replication between the Domain Controllers
- AD-DS Partitions
- Configuring A.D.C using Install From Media [IFM]

Dynamic Host Configuration Protocol (DHCP)

- Introduction and Configuration of DHCP Server
- DHCP Client Configuration
- Reservations
- BOOTP Server
- DHCP Backup
- Configuring DHCP Failover

Domain Name System (DNS)

- Internet Basics, Host & LM Host Files
- DNS Naming Hierarchy
- Lookup Zones - Forward and Reverse lookup Zones
- Types of Zones – Primary, Secondary & Stub Zone
- Resource Records, Integration with ADS, SRV Records
- Forwarders, Dynamic Updates

Internet Information Services (IIS)

- IIS 8.0 Configuration
- Hosting Websites, Virtual Directories
- Redirecting Web Sites
- Backup & Restoring Sites
- FTP Server Configuration

Windows Deployment Services

- Introduction and Configuration of WDS Server
- Attended and Unattended Installation

Remote Desktop Services

- Remote Administration Mode

Routing & Remote Access

- Routing Configuration - Static Routes
- NAT, DHCP Relay Agent
- Remote Access Server Configuration
- VPN – PPTP

Microsoft Hyper -V

- Installation of Hyper – V
- Configuring Virtual Machine
- Configuring Virtual Networks
- Configuring Virtual Hard disks

Advanced Topics

- Windows Server Backup
- Introduction to print server
- Upgrading Windows Server 2008 to 2012
- Overview of AD- FS, LDS, RMS, CS

Storage Technologies

- Configuring iSCSI Target and Initiator
- Introduction to Storage spaces and Storage Pools
- Configuring Simple Volume (RAID – 0)
- Configuring Mirror Volume (RAID – 1)
- Configuring Parity Volume (RAID – 5)