

ACCIÓN FORMATIVA : MCITP SERVER ADMINISTRADOR



HORAS LECTIVAS : 140 horas

CONTENIDOS

Exam 70-646: PRO: Windows Server 2008, Server Administrator

Exam 70-640: TS: Windows Server 2008 Active Directory, Configuring

Exam 70-642: TS: Windows Server 2008 Network Infrastructure, Configuring

Exam 70-646: PRO: Windows Server 2008, Server Administrator

Planning for Server Deployment

- Plan server installations and upgrades. May include but is not limited to: Windows Server 2008 edition selection, rollback planning, Bitlocker implementation requirements
- Plan for automated server deployment. May include but is not limited to: standard server image, automation and scheduling of server deployments
- Plan infrastructure services server roles. May include but is not limited to: address assignment, name resolution, network access control, directory services, application services, certificate services
- Plan application servers and services. May include but is not limited to: virtualization server planning, availability, resilience, and accessibility
- Plan file and print server roles. May include but is not limited to: access permissions, storage quotas, replication, indexing, file storage policy, availability, printer publishing

Planning for Server Management

- Plan server management strategies. May include but is not limited to: remote administration, remote desktop, server management technologies, Server Manager and ServerManagerCMD, delegation policies and procedures
- Plan for delegated administration. May include but is not limited to: delegate authority, delegate Active Directory objects, application management
- Plan and implement group policy strategy. May include but is not limited to: GPO management, GPO backup and recovery, group policy troubleshooting, group policy planning

Monitoring and Maintaining Servers

- Implement patch management strategy. May include but is not limited to: operating system patch level maintenance, Windows Server Update Services (WSUS), application patch level maintenance

- Monitor servers for performance evaluation and optimization. May include but is not limited to: server and service monitoring, optimization, event management, trending and baseline analysis
- Monitor and maintain security and policies. May include but is not limited to: remote access, monitor and maintain NPAS, network access, server security, firewall rules and policies, authentication and authorization, data security, auditing

Planning Application and Data Provisioning

- Provision applications. May include but is not limited to: presentation virtualization, terminal server infrastructure, resource allocation, application virtualization alternatives, application deployment, System Center Configuration Manager
- Provision data. May include but is not limited to: shared resources, offline data access

Planning for Business Continuity and High Availability

- Plan storage. May include but is not limited to: storage solutions, storage management
- Plan high availability. May include but is not limited to: service redundancy, service availability
- Plan for backup and recovery. May include but is not limited to: data recovery strategy, server recovery strategy, directory service recovery strategy, object level recovery

Exam 70-640: TS: Windows Server 2008 Active Directory, Configuring

Configuring Domain Name System (DNS) for Active Directory

- Configure zones.
- Configure DNS server settings.
- Configure zone transfers and replication.

Configuring the Active Directory infrastructure

- Configure a forest or a domain.
- Configure trusts.
- Configure sites.
- Configure Active Directory replication.
- Configure the global catalog.
- Configure operations masters.

Configuring additional Active Directory server roles

- Configure Active Directory Lightweight Directory Service (AD LDS).

- Configure Active Directory Rights Management Service (AD RMS).
- Configure the read-only domain controller (RODC).
- Configure Active Directory Federation Services (AD FS).

Creating and maintaining Active Directory objects

- Automate creation of Active Directory accounts.
- Maintain Active Directory accounts.
- Create and apply Group Policy objects (GPOs).
- Configure GPO templates.
- Configure GPO templates.
- Configure software deployment GPOs.
- Configure account policies.
- Configure audit policy by using GPOs.

Maintaining the Active Directory environment

- Configure backup and recovery.
- Perform offline maintenance.
- Monitor Active Directory.

Configuring Active Directory Certificate Services

- Install Active Directory Certificate Services.
- Configure CA server settings.
- Manage certificate templates.
- Manage enrollments.
- Manage certificate revocations.

Exam 70-642: TS: Windows Server 2008 Network Infrastructure, Configuring

Configuring IP Addressing and Services

- Configure IPv4 and IPv6 addressing. May include but is not limited to: configure IP options, subnetting, supernetting, alternative configuration
- Configure Dynamic Host Configuration Protocol (DHCP). May include but is not limited to: DHCP options, creating new options, PXE boot, default user profiles, DHCP relay agents, exclusions, authorize server in Active Directory, scopes, server core, Windows Server Hyper-V
- Configure routing. May include but is not limited to: static routing, persistent routing, Routing Internet Protocol (RIP), Open Shortest Path First (OSPF)
- Configure IPsec. May include but is not limited to: create IPsec policy, IPsec Authentication Header (AH), IPsec Encapsulating Security Payload (ESP)

Configuring Name Resolution

- Configure a Domain Name System (DNS) server. May include but is not limited to: conditional forwarding, external forwarders, root hints, cache-only, server core, WINS and DNS integration, Windows Server virtualization
- Configure DNS zones. May include but is not limited to: DNS Refresh no-refresh, intervals, DNS listserv address (NSLOOKUP), primary/secondary zones, Active Directory integration, Dynamic Domain Name System (DDNS), GlobalNames, SOA refresh
- Configure DNS records. May include but is not limited to: record types, host, pointer, MX, SRV, NS, dynamic updates, Time to Live (TTL)
- Configure DNS replication. May include but is not limited to: DNS secondary zones, DNS stub zones, DNS scavenging interval, replication scope
- Configure name resolution for client computers. May include but is not limited to: DNS and WINS integration, configuring HOSTS file, LMHOSTS, node type, Link-Local Multicast Name Resolution (LLMNR), broadcasting, resolver cache, DNS Server list, Suffix Search order, manage client settings by using group policy

Configuring Network Access

- Configure remote access. May include but is not limited to: dial-up, Remote Access Policy, Network Address Translation (NAT), Internet Connection Sharing (ICS), VPN, Routing and Remote Access Services (RRAS), inbound/outbound filters, configure Remote Authentication Dial-In User Service (RADIUS) server, configure RADIUS proxy, remote access protocols, Connection Manager
- Configure Network Access Protection (NAP). May include but is not limited to: network layer protection, DHCP enforcement, VPN enforcement, configure NAP health policies, IPsec enforcement, 802.1x enforcement, flexible host isolation
- Configure network authentication. May include but is not limited to: LAN authentication by using NTLMv2 and Kerberos, WLAN authentication by using 802.1x, RAS authentication by using MS-CHAP, MS-CHAP v2, and EAP
- Configure wireless access. May include but is not limited to: Set Service Identifier (SSID), Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), Wi-Fi Protected Access 2 (WPA2), ad hoc versus infrastructure mode, group policy for wireless
- Configure firewall settings. May include but is not limited to: incoming and outgoing traffic filtering, Active Directory account integration, identify ports and protocols, Microsoft Windows Firewall versus Windows Firewall with Advanced Security, configure firewall by using group policy, isolation policy

Configuring File and Print Services

- Configure a file server. May include but is not limited to: file share publishing, Offline Files, share permissions, NTFS permissions, encrypting file system (EFS)

- Configure Distributed File System (DFS). May include but is not limited to: DFS namespace, DFS configuration and application, creating and configuring targets, DFS replication
- Configure shadow copy services. May include but is not limited to: recover previous versions, set schedule, set storage locations
- Configure backup and restore. May include but is not limited to: backup types, backup schedules, managing remotely, restoring data
- Manage disk quotas. May include but is not limited to: quota by volume or quota by user, quota entries, quota templates
- Configure and monitor print services. May include but is not limited to: printer share, publish printers to Active Directory, printer permissions, deploy printer connections, install printer drivers, export and import print queues and printer settings, add counters to Reliability and Performance Monitor to monitor print servers, print pooling, print priority

Monitoring and Managing a Network Infrastructure

- Configure Windows Server Update Services (WSUS) server settings. May include but is not limited to: update type selection, client settings, Group Policy object (GPO), client targeting, software updates, test and approval, disconnected networks
- Capture performance data. May include but is not limited to: Data Collector Sets, Performance Monitor, Reliability Monitor, monitoring System Stability Index
- Monitor event logs. May include but is not limited to: custom views, application and services logs, subscriptions, DNS log
- Gather network data. May include but is not limited to: Simple Network Management Protocol (SNMP), Baseline Security Analyzer, Network Monitor