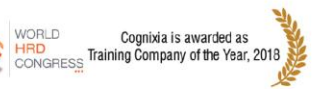




# Administering Windows Server 2012 (411)

In association with : **Silver Microsoft Partner**



## **Deploy, manage and maintain servers**

### Deploy and manage server images

- Install the Windows Deployment Services (WDS) role; configure and manage boot, install and discover images; update images with patches, hotfixes and drivers; install features for offline images; configure driver groups and packages

### Implement patch management

- Install and configure the Windows Server Update Services (WSUS) role, configure group policies for updates, configure client-side targeting, configure WSUS synchronisation, configure WSUS groups, manage patch management in mixed environments

### Monitor servers

- Configure Data Collector Sets (DCS), configure alerts, monitor real-time performance, monitor virtual machines (VMs), monitor events, configure event subscriptions, configure network monitoring, schedule performance monitoring

## **Configure File and Print Services**

### Configure Distributed File System (DFS)

- Install and configure DFS namespaces, configure DFS Replication Targets, configure Replication Scheduling, configure Remote Differential Compression settings, configure staging, configure fault tolerance, clone a DFS database, recover DFS databases, optimise DFS replication

### Configure File Server Resource Manager (FSRM)

- Install the FSRM role service, configure quotas, configure file screens, configure reports, configure file management tasks

### Configure file and disk encryption

- Configure BitLocker encryption; configure the Network Unlock feature; configure BitLocker policies; configure the EFS recovery agent; manage EFS and BitLocker certificates, including backup and restore

#### Configure advanced audit policies

- Implement auditing using Group Policy and AuditPol.exe, create expression-based audit policies, create removable device audit policies

### **Configure network services and access**

#### Configure DNS zones

- Configure primary and secondary zones, configure stub zones, configure conditional forwards, configure zone and conditional forward storage in Active Directory, configure zone delegation, configure zone transfer settings, configure notify settings

#### Configure DNS records

- Create and configure DNS Resource Records (RR), including A, AAAA, PTR, SOA, NS, SRV, CNAME and MX records; configure zone scavenging; configure record options, including Time To Live (TTL) and weight; configure round robin; configure secure dynamic updates

#### Configure virtual private networks (VPN) and routing

- Install and configure the Remote Access role, implement Network Address Translation (NAT), configure VPN settings, configure remote dial-in settings for users, configure routing, configure Web Application proxy in passthrough mode

#### Configure DirectAccess

- Implement server requirements, implement client configuration, configure DNS for Direct Access, configure certificates for Direct Access

### **Configure a Network Policy Server (NPS) infrastructure**

#### Configure Network Policy Server

- Configure a RADIUS server, including RADIUS proxy; configure RADIUS clients; configure NPS templates; configure RADIUS accounting; configure certificates

#### Configure NPS policies

- Configure connection request policies, configure network policies for VPN clients (multilink and bandwidth allocation, IP filters, encryption, IP addressing), import and export NPS policies

#### Configure Network Access Protection (NAP)

- Configure System Health Validators (SHVs), configure health policies, configure NAP enforcement using DHCP and VPN, configure isolation and remediation of non-compliant computers using DHCP and VPN, configure NAP client settings

### **Configure and manage Active Directory**

#### Configure service authentication

- Create and configure Service Accounts, create and configure Group Managed Service Accounts, configure Kerberos delegation, manage Service Principal Names (SPNs), configure virtual accounts

#### Configure domain controllers

- Transfer and seize operations master roles, install and configure a read-only domain controller (RODC), configure domain controller cloning

#### Maintain Active Directory

- Back up Active Directory and SYSVOL, manage Active Directory offline, optimise an Active Directory database, clean up metadata, configure Active Directory snapshots, perform object- and container-level recovery, perform Active Directory restore, configure and restore objects by using the Active Directory Recycle Bin

#### Configure account policies

- Configure domain and local user password policy settings, configure and apply Password Settings Objects (PSOs), delegate password settings management, configure account lockout policy settings, configure Kerberos policy settings



# Thank You

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