

# 70-410: Installing and configuring Windows Server 2012

The following tables itemize changes to exam 70-410. These changes will be made in January 2014 to include updates that relate to Windows Server 2012 R2 tasks.

## 1. Install and configure servers (17%)

Tasks currently measured	Tasks to be added/changed in January 2014
<b>Install servers</b> Plan for a server installation; plan for server roles; plan for a server upgrade; install Server Core; optimize resource utilization by using Features on Demand; migrate roles from previous versions of Windows Server	No change
<b>Configure servers</b> Configure Server Core; delegate administration; add and remove features in offline images; deploy roles on remote servers; convert Server Core to/from full GUI; configure services; configure NIC teaming	Install and configure Windows PowerShell Desired State Configuration (DSC)
<b>Configure local storage</b> Design storage spaces; configure basic and dynamic disks; configure MBR and GPT disks; manage volumes; create and mount virtual hard disks (VHDs); configure storage pools and disk pools	Create storage pools by using disk enclosures

## 2. Configure server roles and features (17%)

<b>Tasks currently measured</b>	<b>Tasks to be added/changed in January 2014</b>
<b>Configure file and share access</b> Create and configure shares; configure share permissions; configure offline files; configure NTFS permissions; configure access-based enumeration (ABE); configure Volume Shadow Copy Service (VSS); configure NTFS quotas	Create and configure Work Folders
<b>Configure print and document services</b> Configure the Easy Print print driver; configure Enterprise Print Management; configure drivers; configure printer pooling; configure print priorities; configure printer permissions	No change
<b>Configure servers for remote management</b> WinRM; configure down-level server management; configure servers for day-to-day management tasks; configure multi-server management; configure Server Core; configure Windows Firewall	Manage non-domain joined servers

### 3. Configure Hyper-V (18%)

<b>Tasks currently measured</b>	<b>Tasks to be added/changed in January 2014</b>
<b>Create and configure virtual machine settings</b> Configure dynamic memory; configure smart paging; configure Resource Metering; configure guest integration services	Create and configure Generation 1 and 2 virtual machines; configure and use extended session mode
<b>Create and configure virtual machine storage</b> Create VHDs and VHDX; configure differencing drives; modify VHDs; configure pass-through disks; manage snapshots; implement a virtual Fibre Channel adapter	Manage checkpoints; configure storage quality of service (QoS)
<b>Create and configure virtual networks</b> Implement Hyper-V Network Virtualization; Configure Hyper-V virtual switches; optimize network performance; configure MAC addresses; configure network isolation;	Configure NIC teaming in virtual machines

configure synthetic and legacy virtual network adapters	
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#### 4. Deploy and configure core network services (17%)

Tasks currently measured	Tasks to be added/changed in January 2014
<b>Configure IPv4 and IPv6 addressing</b> Configure IP address options; configure subnetting; configure supernetting; configure interoperability between IPv4 and IPv6; configure ISATAP; configure Teredo	No change
<b>Deploy and configure Dynamic Host Configuration Protocol (DHCP) service</b> Create and configure scopes; configure a DHCP reservation; configure DHCP options; configure client and server for PXE boot; configure DHCP relay agent; authorize DHCP server	No change
<b>Deploy and configure DNS service</b> Configure Active Directory integration of primary zones; configure forwarders; configure Root Hints; manage DNS cache; create A and PTR resource records	No change

#### 5. Install and administer Active Directory (14%)

Tasks currently measured	Tasks to be added/changed in January 2014
<b>Install domain controllers</b> Add or remove a domain controller from a domain; upgrade a domain controller; install Active Directory Domain Services (AD DS) on a Server Core installation; install a domain controller from Install from Media (IFM); resolve DNS SRV record registration issues; configure a global catalog server	Deploy Active Directory infrastructure as a service (IaaS) in Windows Azure
<b>Create and manage Active Directory users and computers</b> Automate the creation of Active Directory accounts; create, copy, configure, and delete users and computers; configure templates; perform bulk Active Directory operations;	No change

configure user rights; offline domain join; manage inactive and disabled accounts	
<b>Create and manage Active Directory groups and organizational units (OUs)</b> Configure group nesting; convert groups including security, distribution, universal, domain local, and domain global; manage group membership using Group Policy; enumerate group membership; delegate the creation and management of Active Directory objects; manage default Active Directory containers; create, copy, configure, and delete groups and OUs	No change

## 6. Create and manage Group Policy (16%)

Tasks currently measured	Tasks to be added/changed in January 2014
<b>Create Group Policy objects (GPOs)</b> Configure a Central Store; manage starter GPOs; configure GPO links; configure multiple local group policies; configure security filtering	No change
<b>Configure security policies</b> Configure User Rights Assignment; configure Security Options settings; configure Security templates; configure Audit Policy; configure Local Users and Groups; configure User Account Control (UAC)	No change
<b>Configure application restriction policies</b> Configure rule enforcement; configure AppLocker rules; configure Software Restriction Policies	No change
<b>Configure Windows Firewall</b> Configure rules for multiple profiles using Group Policy; configure connection security rules; configure Windows Firewall to allow or deny applications, scopes, ports, and users; configure authenticated firewall exceptions; import and export settings	No change