

Exam 70-412: Configuring Advanced Windows Server 2012 Services

The following tables itemize changes to exam 70-412. These changes will be made in January 2014 to include updates that relate to Windows Server 2012 R2 tasks.

1. Configure and manage high availability (16%)

Tasks currently measured	Tasks to be added/changed in January 2014
Configure Network Load Balancing (NLB) Install NLB nodes; configure NLB prerequisites; configure affinity; configure port rules; configure cluster operation mode; upgrade an NLB cluster	No change
Configure failover clustering Configure Quorum; configure cluster networking; restore single node or cluster configuration; configure cluster storage; implement Cluster Aware Updating; upgrade a cluster;	Configure and optimize clustered shared volumes; configure clusters without network names; configure storage spaces
Manage failover clustering roles Configure role-specific settings including continuously available shares; configure VM monitoring; configure failover and preference settings	Configure guest clustering
Manage virtual machine (VM) movement Perform Live Migration; perform quick migration; perform storage migration; import, export, and copy VMs, migrate from other platforms (P2V and V2V)	Configure virtual machine network health protection; configure drain on shutdown

2. Configure file and storage solutions (18%)

Tasks currently measured	Tasks to be added/changed in January 2014
--------------------------	---

<p>Configure advanced file services Configure NFS data store; configure BranchCache; configure File Classification Infrastructure (FCI) using File Server Resource Manager (FSRM); configure file access auditing</p>	No change
<p>Implement Dynamic Access Control (DAC) Configure user and device claim types; implement policy changes and staging; perform access-denied remediation; configure file classification</p>	Create and configure Central Access rules and policies; create and configure resource properties and lists
<p>Configure and optimize storage Configure iSCSI Target and Initiator; configure Internet Storage Name server (iSNS); implement thin provisioning and trim; manage server free space using Features on Demand</p>	Configure tiered storage

3. Implement business continuity and disaster recovery (14%)

Tasks currently measured	Tasks to be added/changed in January 2014
<p>Configure and manage backups Configure Windows Server backups; configure Windows Online backups; configure role-specific backups; manage VSS settings using VSSAdmin</p>	No change
<p>Recover servers Restore from backups; perform a Bare Metal Restore (BMR); recover servers using Windows Recovery Environment (Win RE) and safe mode; apply System Restore snapshots; configure the Boot Configuration Data (BCD) store</p>	No change
<p>Configure site-level fault tolerance Configure Hyper-V Replica including Hyper-V Replica Broker and VMs; configure multi-site clustering including</p>	Configure Hyper-V Replica extended replication; configure Global Update Manager; recover a multi-site failover cluster

network settings, Quorum, and failover settings	
---	--

4. Configure network services (17%)

Tasks currently measured	Tasks to be added/changed in January 2014
<p>Implement an advanced Dynamic Host Configuration Protocol (DHCP) solution Create and configure superscopes and multicast scopes; implement DHCPv6; configure high availability for DHCP including DHCP failover and split scopes; configure DHCP Name Protection</p>	Configure DNS registration
<p>Implement an advanced DNS solution Configure security for DNS including DNSSEC, DNS Socket Pool, and cache locking; configure DNS logging; configure delegated administration; configure recursion; configure netmask ordering; configure a GlobalNames zone</p>	Analyze zone level statistics
<p>Deploy and manage IPAM Configure IPAM manually or by using Group Policy; configure server discovery; create and manage IP blocks and ranges; monitor utilization of IP address space; migrate to IPAM; delegate IPAM administration; manage IPAM collections</p>	Configure IPAM database storage

5. Configure the Active Directory infrastructure (15%)

Tasks currently measured	Tasks to be added/changed in January 2014
<p>Configure a forest or a domain Implement multi-domain and multi-forest Active Directory environments including interoperability with previous versions of Active Directory; upgrade existing domains and forests including environment preparation and functional levels; configure multiple user principal name (UPN) suffixes</p>	No change

Configure trusts Configure external, forest, shortcut, and realm trusts; configure trust authentication; configure SID filtering; configure name suffix routing	No change
Configure sites Configure sites and subnets; create and configure site links; manage site coverage; manage registration of SRV records; move domain controllers between sites	No change
Manage Active Directory and SYSVOL replication Configure replication to Read-Only Domain Controllers (RODCs); configure Password Replication Policy (PRP) for RODCs; monitor and manage replication; upgrade SYSVOL replication to Distributed File System Replication (DFSR)	No change

6. Configure identity and access solutions (19%) 6. Configure access and information protection solutions (19%)

Tasks currently measured	Tasks to be added/changed in January 2014
Implement Active Directory Federation Services (AD FS) Implement claims-based authentication including Relying Party Trusts; configure Claims Provider Trust rules; configure attribute stores including Active Directory Lightweight Directory Services (AD LDS); manage AD FS certificates; configure AD FS proxy; integrate with Cloud Services; configure Claims Provider Trust rules; configure attribute stores including Active Directory Lightweight Directory Services (AD LDS); manage AD FS certificates; configure AD FS proxy; integrate with Cloud Services	Install AD FS; configure authentication policies; configure Workplace Join; configure multi-factor authentication Tasks removed and covered in exam 414: Configure Claims Provider Trust rules; configure attribute stores including Active Directory Lightweight Directory Services (AD LDS); manage AD FS certificate; configure AD FS proxy; integrate with Cloud Services Web Application proxy with AD
Install and configure Active Directory Certificate Services (AD CS) Install an Enterprise Certificate Authority (CA); configure	No change

<p>CRL distribution points; install and configure Online Responder; implement administrative role separation; configure CA backup and recovery</p>	
<p>Manage certificates Manage certificate templates; implement and manage certificate deployment, validation, and revocation; manage certificate renewal; manage certificate enrollment and renewal to computers and users using Group Policies; configure and manage key archival and recovery</p>	<p>No change</p>
<p>Install and configure Active Directory Rights Management Services (AD RMS) Install a licensing or certificate AD RMS server; manage AD RMS Service Connection Point (SCP); manage AD RMS client deployment; manage Trusted User Domains; manage Trusted Publishing Domains; manage Federated Identity support; manage RMS templates; configure Exclusion Policies</p>	<p>Back up and restore AD RMS</p> <p>Tasks removed and covered in exam 414: Manage AD RMS client deployment; manage Trusted User Domains; manage Trusted Publishing Domains; manage Federated Identity support</p>