

# Microsoft

## Exam Questions 70-413

Designing and Implementing a Server Infrastructure



### NEW QUESTION 1

You need to recommend a management solution for the GPOs. The solution must meet the technical requirements. What should you include in the recommendation?

- A. Microsoft Baseline Security Analyzer (MBSA)
- B. Microsoft Desktop Optimization Pack (MDOP)
- C. Microsoft System Center 2012 Operations Manager
- D. Microsoft System Center 2012 Data Protection Manager (DPM)

**Answer: B**

**Explanation:** \* Scenario:

/ All changes to Group Policies must be logged.

/ Administrators in the Paris office need to deploy a series of desktop restrictions to the entire company by using Group Policy.

\* Microsoft Desktop Optimization Pack

Windows Vista Enterprise helps global organizations and enterprises with complex IT infrastructures lower IT costs, reduce risk, and stay connected. The Microsoft Desktop Optimization Pack for Software Assurance further extends this value by reducing application deployment costs, enabling delivery of applications as services, and allowing for better management and control of enterprise desktop environments. Together these technologies deliver a highly cost-effective and flexible Windows desktop management solution.

What is the Microsoft Desktop Optimization Pack?

The Microsoft Desktop Optimization Pack (MDOP) for Software Assurance is an add-on subscription license available to Software Assurance customers. It uses innovative technologies to help reduce the total cost of ownership (TCO) of the Windows desktop by accelerating operating system and application management and enhancing IT responsiveness and end-user uptime. It will enable you to better control the desktop, accelerate and simplify desktop deployments and management, and create a dynamic infrastructure by turning software into centrally managed services.

MDOP facilitates accelerated deployment and manageability of Windows through these innovative technologies— available only to Windows Software Assurance customers. Reference: Microsoft Desktop Optimization Pack

URL: <http://technet.microsoft.com/en-us/library/cc507880.aspx>

### NEW QUESTION 2

You implement a new virtualized print server that runs Windows Server 2012. You need to migrate the print queues. Which tool should you use?

- A. Windows Server Migration Tools
- B. Active Directory Migration Tool (ADMT)
- C. Print Management
- D. Computer Management

**Answer: C**

**Explanation:** \* Scenario: Migrate the existing print queues to virtualized instances of Windows Server 2012.

\* To manage the migration process, use one of the following:

? The Printer Migration Wizard, which you access through Print Management, a snap-in in

? Microsoft Management Console (MMC).

? The Printbrm.exe command-line tool.

You can perform the migration locally or remotely, and from either a client computer or server.

Important

As a best practice, run the Printer Migration Wizard or Printbrm.exe from a computer running Windows Server 2012

\* Reference: Migrate Print and Document Services to Windows Server 2012

### NEW QUESTION 3

You are planning the migration of research.contoso.com.

You need to identify which tools must be used to perform the migration. Which tools should you identify?

- A. Active Directory Migration Tool version 3.2 (ADMT v3.2) and Group Policy Management Console (GPMC)
- B. Active Directory Federation Services (AD FS) and Microsoft Federation Gateway
- C. Active Directory Migration Tool version 3.2 (ADMT v3.2) and Active Directory Federation Services (AD FS)
- D. Active Directory Lightweight Directory Services (AD LDS) and Group Policy Management Console (GPMC)

**Answer: A**

**Explanation:** \* Scenario:

All of the users and the Group Policy objects (GPOs) in research.contoso.com will be migrated to contoso.com.

two domain controllers for the research.contoso.com domain. The domain controllers run Windows Server 2008 R2.

### NEW QUESTION 4

You need to recommend changes to the DNS environment that support the implementation of the sales.contoso.com domain. The solution must ensure that the users in all of the domains can resolve both Internet names and the names of the servers in all of the internal domains.

What should you recommend?

- A. On the DNS servers in contoso.com, configure a reverse lookup zone
- B. On the DNS servers in sales.contoso.com, configure a conditional forwarder to contoso.com.
- C. On the DNS servers in contoso.com, add a conditional forwarder to the sales.contoso.com zone
- D. On the DNS servers in sales.contoso.com, add a forwarder to the DNS servers of the company's ISP.
- E. On the DNS servers in contoso.com, create a zone delegation in the contoso.com zone
- F. On the DNS servers in sales.contoso.com, add a forwarder to the contoso.com DNS servers.

- G. On the DNS servers in contoso.com, configure a conditional forwarder to sales.contoso.co
- H. On the DNS servers in sales.contoso.com, configure a reverse zone.

**Answer:** C

**Explanation:** Scenario: The client computers in sales.contoso.com will use the sales.contoso.com domain controllers as their DNS servers.

Topic 2, Proseware, Inc

Overview

General Overview

Proseware, Inc. is a pharmaceutical services company that has a sales department, a marketing department, an operations department, and a human resources department.

Physical Locations

Proseware has two main offices. One of the offices is located in New York. The other office is located in Chicago. The New York office uses a 172.16.1.0/24 network ID. The Chicago office uses a 192.168.1.0/24 network ID.

The offices connect to each other by using a high-bandwidth, low-latency WAN link. Each office connects directly to the Internet.

Existing Environment

The network contains an Active Directory forest named proseware.com. The forest contains two domains named proseware.com and chicago.proseware.com. All of the user accounts and the computer accounts in the New York office reside in the proseware.com domain. All of the user accounts and the computer accounts in the Chicago office reside in the chicago.proseware.com domain. All DNS zones are Active-Directory-integrated.

Each office is configured as an Active Directory site. The network ID for each office is associated to the appropriate site.

Each office contains two domain controllers. The domain controllers were recently upgraded from Windows Server 2008 R2 to Windows Server 2012 R2. The functional level of the domain and the forest is Windows Server 2003.

The company uses Active Directory user attributes to store the personal information of its employees in custom attributes.

Existing Servers

The relevant servers are configured as shown in the following table.

Server name	Role	Site
DC01	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DNS server</li> <li>• DHCP server</li> </ul>	New York
DC02	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DNS server</li> </ul>	New York
WDS01	Windows Deployment Services (WDS) server	New York
Host01	Hyper-V host	New York
Host02	Hyper-V host	New York
Host03	Hyper-V host	New York
RAS01	Remote access server	New York
File01	File server	New York
DC03	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DHCP server</li> </ul>	Chicago
DC04	Domain controller	Chicago
Host04	Hyper-V host	Chicago
Host05	Hyper-V host	Chicago
Host06	Hyper-V host	Chicago
RAS02	Remote access server	Chicago
File02	File server	Chicago

All servers run Windows Server 2012 R2.

DC01 has an IPv4 scope. The starting IP address in the range is 172.16.1.100 and the ending address is 172.16.1.199.

DC03 has an IPv4 scope. The starting IP address in the range is 192.168.1.100 and the ending IP address is 192.168.1.199. There are no exclusion ranges configured on DC01 or DC03.

Requirements Planned Changes

Proseware plans to implement the following changes:

- ? Deploy a read-only domain controller (RODC) to the London office.
- ? Give users remote access to both offices by using a VPN connection from their laptop or tablet.
- ? If DC01 fails, ensure that the computers in the New York office can receive IP addresses within 30 minutes.
- ? In the New York site, deploy two 50-TB, Fibre Channel SAN disk arrays. Offloaded Data Transfer (ODX) will be used on both storage arrays. The Hyper-V hosts will use the new SANs for virtual machine storage.
- ? Open three additional offices in Montreal, Atlanta, and London. The offices will connect to each other by using a high-bandwidth, low-latency WAN link. Each office will connect directly to the Internet.
- ? For legal reasons, the Montreal site will have its own forest named montreal.proseware.com.
- ? The Montreal and Atlanta offices will have local IT administrators to manage the network infrastructure of their respective office. The London office will not have a local IT staff. Each office will have approximately 50 client computers.

Technical Requirements

Proseware identifies the following technical requirements:

- ? Users in the Montreal office must only be allowed to access shares that are located on File01 and File02. The Montreal users must be prevented from accessing any other servers in the proseware.com forest regardless of the permissions on the resources,
- ? Users in the New York office must be able to reconnect to the remote access VPN servers automatically. Users in the Chicago office must use SSL to connect to the remote access VPN servers.
- ? Domain controllers that run Windows Server 2012 R2 and Windows Server 2008 R2 must be able to be deployed to the proseware.com domain.
- ? Administrators in the New York office must be able to restore objects from the Active Directory Recycle Bin.
- ? The DNS servers must be prevented from overwriting the existing DNS entries that have been stored in cache.
- ? Each DNS server must be managed by an administrator from the same office as the DNS server.

- ? The required time to create new fixed virtual hard disks (VHDs) on the SANs must be minimized.
- ? The remote access servers must be able to restrict outgoing traffic based on IP addresses.
- ? All certificates must be deployed to all of the client computers by using auto- enrollment.
- ? All of the DHCP Server server roles must be installed on a domain controller.
- ? Only one DHCP server in each site must lease IP addresses at any given time.
- ? DHCP traffic must not cross site boundaries.
- ? RODCs must not contain personal user information.

#### NEW QUESTION 5

You need to recommend a solution for the remote access servers. What should you include in the recommendation?

- A. Network address translation (NAT)
- B. Logging levels
- C. Packet filtering
- D. Packet tracing

**Answer: C**

**Explanation:** Scenario: The remote access servers must be able to restrict outgoing traffic based on IP addresses.

Packet filtering can be used to restrict outgoing traffic with the help of an output filter. Note: Packet filtering consists of creating a series of definitions called filters, which define

for the router what types of traffic are allowed or disallowed on each interface. Filters can be set for incoming and outgoing traffic.

\* Input filters define what inbound traffic on that interface the router is allowed to route or process.

\* Output filters define what traffic the router is allowed to send from that interface. Incorrect:

Not A: NAT is not able to restrict outgoing traffic. NAT supports static filters can be added to the private interface to protect against threats from internal clients.

Reference: Filters and Remote Access Configurations [https://technet.microsoft.com/en-us/library/Cc754895\(v=WS.10\)](https://technet.microsoft.com/en-us/library/Cc754895(v=WS.10))

#### NEW QUESTION 6

You run the Get-DNSServer cmdlet on DC01 and receive the following output:

```
ServerCache:
=====

IsReverseLookupZone False
IsDsIntegrated True
IsReadOnly False
MaxNegativeTtl 00:15:00
ZoneName .
MaxTtl 1.00:00:00
StoreEmptyAuthenticationResponse True
ZoneType Cache
IsPaused False
IsShutdown False
DistinguishedName DC=RootDNSServers,cn=MicrosoftDNS,DC=...
EnablePollutionProtection True
LockingPercent 50
MaxKBSize 0
IsAutoCreated False
```

You need to recommend changes to DC01. Which attribute should you recommend modifying?

- A. EnablePollutionProtection
- B. isReadOnly
- C. Locking Percent
- D. ZoneType

**Answer: C**

**Explanation:** \* Scenario: The DNS servers must be prevented from overwriting the existing DNS entries that have been stored in cache.

\* Cache locking is configured as a percent value. For example, if the cache locking value is set to 50, then the DNS server will not overwrite a cached entry for half of the duration of the TTL. By default, the cache locking percent value is 100. This means that cached entries will not be overwritten for the entire duration of the TTL. The cache locking value is stored in the CacheLockingPercent registry key. If the registry key is not present, then the DNS server will use the default cache locking value of 100.

Reference: DNS Cache Locking

<https://technet.microsoft.com/en-us/library/ee649148%28v=ws.10%29.aspx>

#### NEW QUESTION 7

DRAG DROP

You need to recommend changes for the Active Directory infrastructure.

What should you recommend? To answer, drag the appropriate domain and forest functional levels for proseware.com to the correct locations. Each functional level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Functional Levels	Answer Area
Windows Server 2008	Domain functional level for proseware.com: <input type="text" value="Functional level"/>
Windows Server 2008 R2	Forest functional level for proseware.com: <input type="text" value="Functional level"/>
Windows Server 2012	
Windows Server 2012 R2	

**Answer:**

**Explanation:** From the scenario we have that Domain controllers that run Windows Server 2012 R2 and Windows Server 2008 R2 must be able to be deployed to the proseware.com domain. We should therefore set both domain functional level and forest functional level to Windows Server 2008 R2.

Box 1: Windows Server 2008 R2

We can set the domain functional level for proseware.com to Windows Server 2008 R2 as

only Domain controllers that run Windows Server 2012 R2 and Windows Server 2008 R2 must be able to be deployed to the proseware.com domain.

Box 2: Windows Server 2008 R2

As we cannot set the domain functional level to a value that is lower than the forest functional level we should set the forest function level to Windows Server 2008 R2 as well.

Topic 3, Litware, Inc

Overview

Litware, Inc., is a manufacturing company. The company has a main office and two branch offices. The main office is located in Seattle. The branch offices are located in Los Angeles and Boston.

Existing Environment Active Directory

The network contains an Active Directory forest named litwareinc.com. The forest contains

a child domain for each office. The child domains are named boston.litwareinc.com and la.litwareinc.com. An Active Directory site exists for each office.

In each domain, all of the client computer accounts reside in an organizational unit (OU) named AllComputers and all of the user accounts reside in an OU named AllUsers.

All domain controllers run Windows Server 2008 R2 and are configured as DNS servers. The functional level of the domain and the forest is Windows Server 2008.

Network Infrastructure

The main office has the following servers:

? Five physical Hyper-V hosts that run Windows Server 2012

? Three virtual file servers that run Windows Server 2008 R2

? One physical DHCP server that runs Windows Server 2008 R2

? Ten physical application servers that run Windows Server 2012

? One virtual IP Address Management (IPAM) server that runs Windows Server 2012

? One virtual Windows Server Update Services (WSUS) server that runs Windows Server 2008 R2

? One physical domain controller and two virtual domain controllers that run Windows Server 2008 R2

Each branch office has following servers:

? One virtual file server that runs Windows Server 2008 R2

? Two physical Hyper-V hosts that run Windows Server 2012

? One physical DHCP server that runs Windows Server 2008 R2

? One physical domain controller and two virtual domain controllers that run Windows Server 2008 R2

All of the offices have a high-speed connection to the Internet. The offices connect to each other by using T1 leased lines.

The IPAM server in the main office gathers data from the DNS servers and the DHCP servers in all of the offices.

Requirements Planned Changes

The company plans to implement the following changes:

? Implement the Active Directory Recycle Bin.

? Implement Network Access Protection (NAP).

? Implement Folder Redirection in the Boston office only.

? Deploy an application named Appl to all of the users in the Boston office only.

? Migrate to IPv6 addressing on all of the servers in the Los Angeles office. Some application servers in the Los Angeles office will have only IPv6 addresses.

Technical Requirements

The company identifies the following technical requirements:

? Minimize the amount of administrative effort whenever possible.

? Ensure that NAP with IPSec enforcement can be configured.

? Rename boston.litwareinc.com domain to bos.litwareinc.com.

? Migrate the DHCP servers from the physical servers to a virtual server that runs Windows Server 2012.

? Ensure that the members of the Operators groups in all three domains can manage the IPAM server from their client computer.

VPN Requirements

You plan to implement a third-party VPN server in each office. The VPN servers will be configured as RADIUS clients. A server that runs Windows Server 2012 will perform RADIUS authentication for all of the VPN connections.

Visualization Requirements

The company identifies the following visualization requirements:

? Virtualize the application servers.

? Ensure that the additional domain controllers for the branch offices can be deployed by using domain controller cloning.

? Automatically distribute the new virtual machines to Hyper-V hosts based on the current resource usage of the Hyper-V hosts.

Server Deployment Requirements

The company identifies the following requirements for the deployment of new servers on the network:

? Deploy the new servers over the network.

? Ensure that all of the server deployments are done by using multicast.

Security Requirements

A new branch office will open in Chicago. The new branch office will have a single read-only domain controller (RODC). Confidential attributes must not be replicated to the Chicago office.

**NEW QUESTION 8**

You need to recommend a server deployment strategy for the main office that meets the server deployment requirements.

What should you recommend installing in the main office?

- A. Windows Deployment Services (WDS)
- B. The Windows Automated Installation Kit (Windows AIK)
- C. The Express Deployment Tool (EDT)
- D. The Windows Assessment and Deployment Kit (Windows ADK)

**Answer:** A

**Explanation:** WDS is a server role that enables you to remotely deploy Windows operating systems. You can use it to set up new computers by using a network-based installation. This means that you do not have to install each operating system directly from a CD, USB drive, or DVD.

Reference: What's New in Windows Deployment Services in Windows Server

#### NEW QUESTION 9

You need to ensure that NAP meets the technical requirements. Which role services should you install?

- A. Network Policy Server, Health Registration Authority and Host Credential Authorization Protocol
- B. Health Registration Authority, Host Credential Authorization Protocol and Online Responder
- C. Certification Authority, Network Policy Server and Health Registration Authority
- D. Online Responder, Certification Authority and Network Policy Server

**Answer:** C

**Explanation:** \* Scenario:

Implement Network Access Protection (NAP).

Ensure that NAP with IPsec enforcement can be configured.

\* Health Registration Authority

Applies To: Windows Server 2008 R2, Windows Server 2012

Health Registration Authority (HRA) is a component of a Network Access Protection (NAP) infrastructure that plays a central role in NAP Internet Protocol security (IPsec) enforcement.

HRA obtains health certificates on behalf of NAP clients when they are compliant with network health requirements. These health certificates authenticate NAP clients for IPsec-protected communications with other NAP clients on an intranet. If a NAP client does not have a health certificate, the IPsec peer authentication fails and the NAP client cannot

initiate communication with other IPsec-protected computers on the network.

HRA is installed on a computer that is also running Network Policy Server (NPS) and Internet

Information Services (IIS). If they are not already installed, these services will be added when you install HRA.

Reference: Health Registration Authority

#### NEW QUESTION 10

You need to recommend changes to the Active Directory environment to support the virtualization requirements.

What should you include in the recommendation?

- A. Raise the functional level of the domain and the forest.
- B. Upgrade the domain controller that has the domain naming master role to Windows Server 2012.
- C. Implement Administrator Role Separation.
- D. Upgrade the domain controllers that have the PDC emulator master role to Windows Server 2012.

**Answer:** D

**Explanation:** \* From case study: Ensure that the additional domain controllers for the branch offices can be deployed by using domain controller cloning.

\* To support DC cloning the PDC emulator role holder must be online and available to the cloned DC and must be running Windows Server 2012.

Reference: Virtual Domain Controller Cloning in Windows Server 2012 <https://blogs.technet.microsoft.com/askpfeplat/2012/10/01/virtual-domain-controller-cloning-in-windows-server-2012/>

#### NEW QUESTION 10

You need to recommend changes to the Active Directory site topology to support on the company's planned changes.

What should you include in the recommendation?

- A. A new site
- B. A new site link bridge
- C. A new site link
- D. A new subnet

**Answer:** D

**Explanation:** From the Planned Changes section of the scenario we find that a migration to IPv6 addressing in the Los Angeles office will happen.

A new subnet would be needed to implement this change.

Incorrect:

Not A: A new branch office will open in Chicago, and this would require a new site. However, this change is classified as Security Requirements, not as Planned Changes.

Reference: Understanding Sites, Subnets, and Site Links <http://technet.microsoft.com/en-us/library/cc754697.aspx>

#### NEW QUESTION 13

You need to recommend a change to the Active Directory environment to support the company's planned changes.

What should you include in the recommendation?

- A. Raise the functional level of the domain and the forest.
- B. Implement Administrator Role Separation.
- C. Upgrade the domain controllers that have the PDC emulator master role to Windows Server 2012.
- D. Upgrade the domain controller that has the domain naming master role to WindowsServer 2012.

**Answer:** A

**Explanation:** \* Scenario planned changes include: Implement the Active Directory Recycle Bin. The functional level of the domain and the forest is Windows Server 2008.

\* To support the Active Directory Recycle Bin, the functional level of your AD LDS configuration set to Windows Server 2008 R2 or higher.

Incorrect:

Not C: All domain controllers, not just the ones with the PDC emulator role, must be upgraded to Windows Server 2012.

Not D: All domain controllers, not just the ones domain naming master role, must be upgraded to Windows Server 2012.

Reference: Requirements for Active Directory Recycle Bin [https://technet.microsoft.com/en-us/library/dd379484\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/dd379484(v=ws.10).aspx)

#### NEW QUESTION 17

You need to recommend an IPAM management solution for the Operators groups. The solution must meet the technical requirements.

What should you include in the recommendation?

- A. Run the Invoke-IpamGpoProvisioningcmdlet in all three domain
- B. Add the computers used by the members of the Operators group to the IPAM server.
- C. Modify the membership of the IPAM Administrators group and the WinRMRemoteWMIUsers\_ group on the IPAM server.
- D. Run the Set-IpamConfigurationcmdlet and modify the membership of the WinRMRemoteWMIUsers\_ group on the IPAM server.
- E. Run the Set-IpamConfigurationcmdlet on the IPAM server
- F. Run the Invoke-IpamGpoProvisioningcmdlet in all three domains.

**Answer:** B

**Explanation:** Scenario: Ensure that the members of the Operators groups in all three domains can manage the IPAM server from their client computer.

#### NEW QUESTION 19

You need to recommend a migration strategy for the DHCP servers. The strategy must meet the technical requirements.

Which Windows PowerShell cmdlet should you recommend running on the physical DHCP servers?

- A. Import-SmigServerSetting
- B. Export-SmigServerSetting
- C. Receive-SmigServerData
- D. Send-SmigServerData

**Answer:** B

**Explanation:** \* Scenario:

/ Main office: One physical DHCP server that runs Windows Server 2008 R2

/ each branch office: One physical DHCP server that runs Windows Server 2008 R2

/ The IPAM server in the main office gathers data from the DNS servers and the DHCP servers in all of the offices.

\* Example:

Command Prompt: C:\PS>

```
Export-SmigServerSetting -Feature "DHCP" -User All -Group -Path "c:\temp\store" - Verbose
```

This sample command exports the Dynamic Host Configuration Protocol (DHCP) Server and all other Windows features that are required by DHCP Server.

Reference: DHCP Server Migration: Migrating the DHCP Server Role <https://technet.microsoft.com/en-us/library/dd379483%28v=ws.10%29.aspx>

#### NEW QUESTION 24

You need to recommend a remote access solution that meets the VPN requirements. Which role service should you include in the recommendation?

- A. Routing
- B. Network Policy Server
- C. DirectAccess and VPN (RAS)
- D. Host Credential Authorization Protocol

**Answer:** B

**Explanation:** Scenario:

A server that runs Windows Server 2012 will perform RADIUS authentication for all of the VPN connections.

Ensure that NAP with IPsec enforcement can be configured.

Network Policy Server

Network Policy Server (NPS) allows you to create and enforce organization-wide network access policies for client health, connection request authentication, and connection request authorization. In addition, you can use NPS as a Remote Authentication Dial-In User Service

(RADIUS) proxy to forward connection requests to a server running NPS or other RADIUS servers that you configure in remote RADIUS server groups.

NPS allows you to centrally configure and manage network access authentication, authorization, and accounting for wireless, authenticating switch, remote access dial-up and virtual

private network (VPN) connections. When you use NPS as a RADIUS server, you configure network access servers, such as wireless access points and VPN servers, as RADIUS clients in NPS. You also configure network policies that NPS uses to authorize connection requests, and you can configure RADIUS

accounting so that NPS logs accounting information to log files on the local hard disk or in a Microsoft SQL Server database.

Reference: Network Policy Server <http://technet.microsoft.com/en-us/library/cc732912.aspx>

**NEW QUESTION 26**

You need to recommend a server virtualization strategy that meets the technical requirements and the virtualization requirements. What should you include in the recommendation?

- A. Windows Server Backup
- B. The Microsoft Virtual Machine Converter
- C. Microsoft System Center 2012 Virtual Machine Manager (VMM)
- D. Disk2vhd

**Answer: C**

**Explanation:** \* Scenario:

Virtualize the application servers.

Automatically distribute the new virtual machines to Hyper-V hosts based on the current resource usage of the Hyper-V hosts.

The main office has the following servers: Five physical Hyper-V hosts that run Windows Server 2012

\* System Center Virtual Machine Manager 2012: VMM Gets Major Upgrade

Expanded hypervisor support, virtual application support and a myriad of other upgrades are coming in the new VMM 2012.

Note: There's no doubt that Microsoft is making System Center Virtual Machine Manager (VMM) a key component of the System Center suite. The scope of the product is being expanded so much that it could be renamed "System Center Virtual Datacenter Manager." The new version of VMM is currently in beta and is scheduled for release in the second half of 2011.

VMM can now do bare-metal installations on fresh hardware, create Hyper-V clusters instead of just managing them, and communicate directly with your SAN arrays to provision storage for your virtual machines (VMs). The list of supported hypervisors has also grown—it includes not only Hyper-V and VMware vSphere Hypervisor, but

Reference: System Center Virtual Machine Manager 2012: VMM Gets Major Upgrade <http://technet.microsoft.com/en-gb/magazine/hh300651.aspx>

Topic 4, Northwind Traders

Overview

Northwind Traders is a retail company.

The company has offices in Montreal and San Diego. The office in Montreal has 1,000 client computers. The office in San Diego has 100 computers. The computers in the San Diego office are often replaced. The offices connect to each other by using a slow WAN link. Each office connects directly to the Internet.

Existing Environment

Active Directory Environment

The network contains an Active Directory forest named northwindtraders.com. The forest contains two domains named northwindtraders.com and west.northwindtraders.com. All servers run Windows Server 2012 R2.

All client computers run Windows 7.

Each office is configured as an Active Directory site. The site in the Montreal office is named Site1. The site in the San Diego office is named Site2.

The forest contains four domain controllers. The domain controllers are configured as shown in the following table.

Domain controllers name	Domain	Site	Role
DC1	Northwindtraders.com	Site1	<ul style="list-style-type: none"> <li>• DNS server</li> <li>• Global catalog server</li> </ul>
DC2	Northwindtraders.com	Site1	<ul style="list-style-type: none"> <li>• DNS server</li> <li>• Global catalog server</li> </ul>
DC3	West.northwindtraders.com	Site1	DNS server
RODC1	West.northwindtraders.com	Site2	DNS server

DC1, DC2, and DC3 are writable domain controllers. RODC1 is read-only domain controller (RODC). All DNS zones are Active Directory-integrated. All zones replicate to all of the domain controllers.

All of the computers in the San Diego office are configured to use RODC1 as their only DNS server.

The northwindtraders.com domain contains a Group Policy object (GPO) named GPO1. GP01 is applied to all of the users in the Montreal office.

All of the user accounts for the Montreal users are in the northwindtraders.com domain. All of the user accounts for the San Diego users are in the west.northwindtraders.com domain.

Network Environment

Site1 contains the member servers in the northwindtraders.com domain shown in the following table.

Server name	Component
Server1	Hyper-V host
Server2	System Center 2012 R2 Virtual Machine Manager (VMM) server
Server3	IP Address Management (IPAM) server File server
Server4	Routing and Remote Access server
Server5	Web server

Server1 connects to SAN storage that supports Offloaded Data Transfer (ODX). All virtual hard disks (VHDs) are stored on the SAN.

A web application named App1 is installed on Servers.

Server3 has a shared folder that contains sales reports. The sales reports are read frequently by the users in both offices. The reports are generated automatically once per week by an enterprise resource planning (ERP) system.

A perimeter network in the Montreal office contains two standalone servers. The servers are configured as shown in the following table.

Server name	Component
Server6	Web application proxy
Server7	Web Server (IIS) server role

The servers in the perimeter network are accessible from the Internet by using a domain name suffix of public.northwindtraders.com.

Each administrator has a management computer that runs Windows 8.1.

Requirements Planned Changes

Northwind Traders plans to implement the following changes:

On Server1, create four virtual machines that run Windows Server 2012 R2. The servers will be configured as shown in the following table.

Virtual machine name	Generation	Controller type	VHD format
VM1	Generation 1	IDE	VHDX
VM2	Generation 2	SCSI	VHD
VM3	Generation 1	SCSI	VHD
VM4	Generation 2	SCSI	VHDX

- ? Configure IP routing between Site1 and the network services that Northwind Traders hosts in Windows Azure.
- ? Place a domain controller for the northwindtraders.com domain in Windows Azure.
- ? Upgrade all of the computers in the Montreal office to Windows 8.1.
- ? Purchase a subscription to Microsoft Office 365.
- ? Configure a web application proxy on Server6.
- ? Configure integration between VMM and IPAM.
- ? Apply GPO1 to all of the San Diego users.
- ? Connect Site1 to Windows Azure.

#### Technical Requirements

Northwind Traders must meet the following technical requirements:

- ? All virtual machines must use ODX.
- ? Users must be able to access App1 from the Internet.
- ? GPO1 must not be applied to computers that run Windows 8.1.
- ? All DNS zones must replicate only to DC1, DC2, and DC3.
- ? All computers must be able to resolve names by using a local DNS server.
- ? If a WAN link fails, users must be able to access all of the sales reports.
- ? The credentials for accessing Windows Azure must be permanently stored.
- ? The on-premises network must be connected to Windows Azure by using Server4.
- ? The administrators must be able to manage Windows Azure by using Windows PowerShell.
- ? The number of servers and services deployed in the San Diego office must be minimized.
- ? Active Directory queries for the objects in the forest must not generate WAN traffic, whenever possible.

#### Security Requirements

Northwind Traders identifies the following security requirements:

- ? Ensure that all DNS zone data is encrypted when it is replicated.
- ? Minimize the number of permissions assigned to users and administrators, whenever possible. Prevent an Active Directory Domain Services (AD DS) attribute named SSNumber from replicating to Site2.
- ? Ensure that users can use their northwindtraders.com user account to access the resources hosted in Office 365.
- ? Prevent administrators from being required to re-enter their credentials when they manage Windows Azure from approved management computers.

### NEW QUESTION 30

You need to recommend a solution for the replication of Active Directory. What should you recommend modifying?

- A. The Active Directory Schema
- B. The properties of Site1
- C. The RODC1 computer account
- D. The properties of Site2

**Answer: A**

**Explanation:** An AD Schema can be configured to prevent specific information from being replicated. You add an attribute to the RODC filtered attribute set, and then mark it as confidential.

\* Scenario: Prevent an Active Directory Domain Services (AD DS) attribute named SSNumber from replicating to Site2.

Reference: Appendix D: Steps to Add an Attribute to the RODC Filtered Attribute Set [https://technet.microsoft.com/en-us/library/cc772331\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc772331(v=ws.10).aspx)

### NEW QUESTION 31

You need to implement a solution for DNS replication. Which cmdlets should you run?

- A. Set-DnsServer and Invoke-DnsServerZoneSign
- B. ConvertTo-DnsServerPrimaryZone and Register-DnsServerDirectoryPartition
- C. UnRegister-DnsServerDirectoryPartition and Add-DnsServerForwarder
- D. Set-DnsServerDnsSecZoneSetting and Invoke-DnsServerZoneSign

**Answer: C**

**Explanation:** Currently DNS zones are replicated to all Domain Controllers, but they should only replicate only to DC1, DC2, and DC3. We can unregister other DNS servers (RODC1) with the help of UnRegister-DnsServerDirectoryPartition cmdlet, which deregisters a Domain Name System (DNS) server from a specified DNS application directory partition.

RODC1 is still used as a DNS server, but does not receive zone replication, but it should still function as a DNS server as all computers need to resolve names by using a local DNS server. We configure RODC1 to forward DNS requests to DC1, DC2 or DC3 with the help of the Add-DnsServerForwarder command.

\* Scenario. Technical Requirement related to DNS:

Ensure that all DNS zone data is encrypted when it is replicated

All computers must be able to resolve names by using a local DNS server All DNS zones must replicate only to DC1, DC2, and DC3

Reference: UnRegister-DnsServerDirectoryPartition, Add-DnsServerForwarder

### NEW QUESTION 35

#### HOTSPOT

You are planning the certificates for Northwind Traders.

You need to identify the certificate configurations required for App1.

How should you configure the certificate request? To answer, select the appropriate options in the answer area.

**Answer Area**

Certificate common name:

Enhanced key usage:

**Answer Area**

Certificate common name:

Enhanced key usage:

**Answer:**

**Explanation:** Box 1: App1.public.northwindtraders.com

\* From the scenario:

Users must be able to access App1 from the Internet.

The servers in the perimeter network are accessible from the Internet by using a domain name suffix of public.northwindtraders.com.

Configure a web application proxy on Server6.

Box 2: Server Authentication

Certificates that server programs use to authenticate themselves to clients

\* From the scenario:

Configure a web application proxy on Server6.

**NEW QUESTION 40**

**HOTSPOT**

You are evaluating the virtual machine environment.

In the table below, identify which virtual machines currently support ODX and which virtual machines require a configuration change to support ODX. Make only one selection in each row.

Virtual machine	Currently supports ODX	Requires a configuration change to support ODX
VM1	<input type="radio"/>	<input type="radio"/>
VM2	<input type="radio"/>	<input type="radio"/>
VM3	<input type="radio"/>	<input type="radio"/>
VM4	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Explanation:** \* VM1 uses IDE and does not support ODX. The other VMs are ok.

\* ID requirements include:

Must be connected by using one of the following protocols: iSCSI

Fibre Channel

Fibre Channel over Ethernet Serial Attached SCSI (SAS)

Note: Windows Offloaded Data Transfer (ODX) functionality in Windows maximizes an enterprise's investment in intelligent storage arrays by enabling the arrays to directly transfer data within or between compatible storage devices, bypassing the host computer.

**NEW QUESTION 44**

You need to recommend an Office 365 integration solution. What should you include in the recommendation?

- A. Active Directory directory synchronization
- B. The Active Directory Migration Tool (ADMT)
- C. Windows Identity Foundation (WIF) 3.5
- D. The Sync Framework Toolkit

**Answer:** A

**Explanation:** \* Scenario: Each office is configured as an Active Directory site.

Reference: Synchronizing your directory with Office 365 is easy <https://blogs.office.com/2014/04/15/synchronizing-your-directory-with-office-365-is-easy/>

**NEW QUESTION 48**

You need to recommend a solution for GPO1.

What is the best approach to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. In west.northwindtraders.com, create a copy of GPO1 and link the new GPO to Site2. Apply a WMI filter to the new GPO.
- B. In west.northwindtraders.com, create a copy of GPO1 and link the new GPO to west.northwindtraders.co
- C. Configure security filtering on the new GPO.
- D. Link GPO1 to west.northwindtraders.com and configure security filtering on GPO1.
- E. Link GPO1 to Site2 and apply a WMI filter to GPO1.

**Answer:** D

**Explanation:** \* Scenario:

The northwindtraders.com domain contains a Group Policy object (GPO) named GPO1. GP01 is applied to all of the users in the Montreal office.

Apply GPO1 to all of the San Diego users.

GPO1 must not be applied to computers that run Windows 8.1.

\* WM Filter for Operating Systems. Example: Windows 8.1 64 bit

SELECT version FROM Win32\_OperatingSystem WHERE Version LIKE "6.3%" and ProductType = "1" AND OSArchitecture = "64-bit"

**NEW QUESTION 49**

DRAG DROP

You need to recommend a solution for managing Windows Azure.

Which three actions should you recommend performing in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Run the <b>Import-AzurePublishSettingsFile</b> cmdlet.	
Run the <b>Add-AzureAccount</b> cmdlet.	
Run the <b>Set-AzureStorageAccount</b> cmdlet.	
Run the Microsoft Web Platform Installer (Web PI).	
Run the <b>Register-PSSessionConfiguration</b> cmdlet.	
Run the <b>Get-AzurePublishSettingsFile</b> cmdlet.	
Install Microsoft .NET Framework 3.5.	

**Answer:**

**Explanation:**

Actions	Answer Area
Run the <b>Import-AzurePublishSettingsFile</b> cmdlet.	
Run the <b>Add-AzureAccount</b> cmdlet.	
Run the <b>Set-AzureStorageAccount</b> cmdlet.	
Run the Microsoft Web Platform Installer (Web PI).	Run the Microsoft Web Platform Installer (Web PI).
Run the <b>Register-PSSessionConfiguration</b> cmdlet.	Run the <b>Get-AzurePublishSettingsFile</b> cmdlet.
Run the <b>Get-AzurePublishSettingsFile</b> cmdlet.	Run the <b>Import-AzurePublishSettingsFile</b> cmdlet.
Install Microsoft .NET Framework 3.5.	

Topic 5, Alpine Ski

Overview

Alpine Ski House provides vacation travel accommodations. Its main office is in Vancouver. Alpine Ski House also has branch offices in Montreal, Denver, and New York.

An additional sales office is located in Los Angeles. This office has client devices only.

All servers in each office run Windows Server 2012 R2. All client devices in each office run Windows 8.1.

Alpine Ski House plans to acquire another company named Margie's Travel. Margies Travel has an AD DS domain named margiestravel.com.

Danner and New York

The Denver and New York offices have their own child domain named us.alpineskihouse.com. The domain controllers are displayed in the following table:

Name	Roles	Location	IP address
US-DC01	Domain controller DNS server DHCP server	Denver	10.10.0.10/24
US-DC02	Domain controller DNS server	Denver	10.10.0.11/24
US-DC03	Domain controller DNS server DHCP server	New York	10.20.0.10/24
US-DC04	Domain controller DNS server	New York	10.20.0.11/24

#### Vancouver and Montreal

Alpine Ski House has an Active Directory Domain Services (AD DS) domain named `aplineskihouse.com` for the Vancouver and Montreal offices. The forest and domain functional levels are set to Windows Server 2008. The domain controllers in the domain contain Dynamic Host Configuration Protocol (DHCP) servers and DNS servers. The domain controllers are displayed in the following table:

Name	Roles	Location	IP address
ALP-DC01	Domain controller DNS server DHCP server	Vancouver	172.16.0.10/24
ALP-DC02	Domain controller DNS server	Vancouver	172.16.0.11/24
ALP-DC03	Domain controller DNS server DHCP server	Montreal	192.168.10.10/24
ALP-DC04	Domain controller DNS server	Montreal	192.168.10.11/24

The Vancouver office also has a certification authority (CA) installed on a server named ALP-CA01.

#### Business Requirements

##### Growth

An additional branch office is planned in an extremely remote, mountainous location that does not have traditional access to the Internet.

The remote branch office location will use a high-latency, low-bandwidth satellite connection to the Denver and Vancouver offices.

The Los Angeles office will be expanded to include sales and billing staff. The Los Angeles location will not contain IT staff.

##### File Management

Currently, each office has a dedicated file share that is hosted on a domain controller. The company plans to implement a new file sharing capability to synchronize data between offices and to maximize performance for locating files that are saved in a different branch office. Sales users in the Los Angeles office must also be able to retrieve file data from each branch office.

##### Recovery time objective

The business requires that the data stored in AD DS must be recovered within an hour. This data includes user accounts, computer accounts, groups, and other objects. Any customized attributes must also be recovered. The current backup solution uses a tape drive, which requires a minimum of two hours between notification and recovery.

##### Office 365

Alpine Ski House purchased Office 365 Enterprise E3 licenses for all users in the organization.

##### Technical Requirements Existing environment

Users in the Montreal office of Alpine Ski House report slow times to log on to their devices.

An administrator determines that users in the Montreal location occasionally authenticate to a domain controller with an IP address of 172.16.0.10/24. All authentication requests must first be attempted in the same location as the client device that is being authenticated.

##### Growth

The remote branch office must have a single domain controller named `REMOTE-DC01.us.aplineskihouse.com`.

The replication between domains must either use best-effort or low-cost replication. After the expansion, authentication must occur locally.

Any server placed in the Los Angeles office must not contain cached passwords.

##### File management

Where possible, the new file management solution must be centralized. If supported, the data must be stored in a single location in each branch office.

##### Acquisition

After acquiring Margie's Travel, all AD DS objects, including user account passwords, must be migrated to the `aplineskihouse.com` domain. Alpine Ski House plans to use the Active Directory Migration Tool (ADMT) to complete the migration process.

The password complexity requirements for the `margiestravel.com` domain are unknown. Users should not be forced to change their passwords after migrating their user accounts. Some computer objects will be renamed during the migration.

##### Office 365

Alpine Ski House must use Microsoft Azure to facilitate directory synchronization (DirSync) with Office 365. The DirSync utility must be installed on a virtual machine in Microsoft Azure.

## NEW QUESTION 50

### HOTSPOT

You need to design the acquisition strategy for Margie's Travel.

What should you do? To answer, select the appropriate option for each action in the answer area.

**Answer Area**

Action	
Install the Active Directory Migration Tool on server:	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">▼</div> ALP-CA01  ALP-DC01  ALP-DC02  ALP-DC03  ALP-DC04 </div>
Specify the following user account option:	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">▼</div> Account is disabled  Password never expires  User cannot change password  Do not require Kerberos preauthentication  Store password using reversible encryption  User must change password at next logon </div>

**Answer:**

**Explanation:** Answer Area

Action	
Install the Active Directory Migration Tool on server:	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">▼</div> ALP-CA01  ALP-DC01    ALP-DC02  ALP-DC03  ALP-DC04 </div>
Specify the following user account option:	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">▼</div> Account is disabled  Password never expires    User cannot change password  Do not require Kerberos preauthentication  Store password using reversible encryption  User must change password at next logon </div>

**NEW QUESTION 53**

You need to configure the connection between the new remote branch office and the existing branch offices. What should you create?

- A. SMTP site link
- B. Forest trust
- C. Certification authority
- D. IP subnet

**Answer:** A

**NEW QUESTION 57**

DRAG DROP

You need to design the file management solution.

What should you do? To answer, drag the appropriate technology to the correct office.

Each technology may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

**Technologies**

- BranchCache Hosted Mode
- BranchCache Distributed Mode
- DirectAccess
- Distributed File System Replication

**Answer Area**

Office	Technology
New York	Technology
Denver	Technology
Montreal	Technology
Los Angeles	Technology

**Answer:**

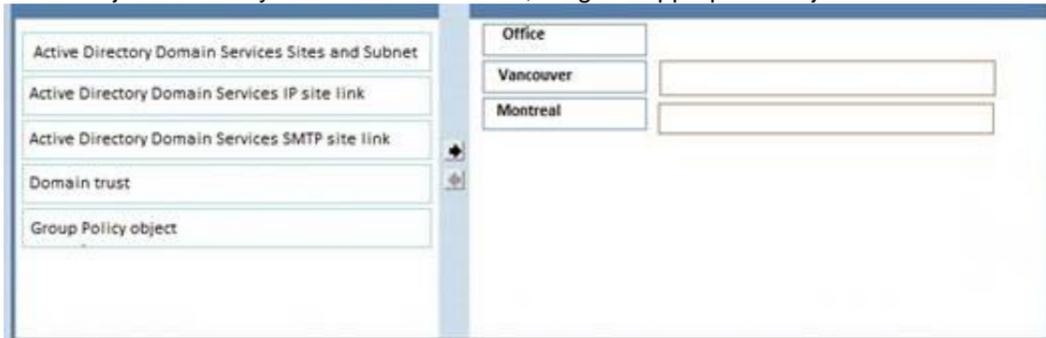
**Explanation:**

Technologies	Answer Area	
	Office	Technology
BranchCache Hosted Mode	New York	BranchCache Hosted Mode
BranchCache Distributed Mode	Denver	Distributed File System Replication
DirectAccess	Montreal	BranchCache Distributed Mode
Distributed File System Replication	Los Angeles	DirectAccess

**NEW QUESTION 59**

DRAG DROP

You need to resolve the Apline Ski House authentication issue. Which objects should you create? To answer, drag the appropriate object to the correct office.



**Answer:**

**Explanation:** Vancouver - Domain trust  
 Montreal - Active Directory Domain Services IP site link

**Topic 6, Contoso Ltd, Case B**

**Background Overview**

Contoso, Ltd., is a software development company. Contoso has a main office in London and two branch offices, one in Madrid and the other in Dublin. The company is in the process of adopting Microsoft Azure to host business critical resources and applications.

Contoso has an Active Directory Domain Services (AD DS) domain named contoso.com. All devices in the three offices are members of the domain. Each office has a dedicated organizational unit (OU) in the root of the domain named London, Madrid, and Dublin, respectively. Each office OU has three child OUs named Computers, Users, and Groups.

The local Administrator account is disabled on all client devices in the domain by using a Group Policy object (GPO) named SecurityConfiguration that is linked to the root of the domain. Contoso's security department also has a GPO named WSUSConfiguration. WSUSConfiguration defines the configuration of Windows Update Services on the Windows Server Update Services (WSUS) server named WSUS1.

You have a GPO named RemoteSales that uses a WMI filter. The GPO prevents users from launching applications that are not approved.

**DNS Services**

Contoso uses a DNS service that is installed on two domain controllers in the main office. The domain controllers are named DO and DC2. Both DO and DC2 run Windows Server 2008 R2. Both domain controllers host Active Directory integrated zones named contoso.com and lab.contoso.com. The zones are configured to allow only secure updates.

**Research**

Contoso creates a new research department to develop integration between Contoso's software and public cloud services.

**Finance Department**

Users in the finance department use a client-server application named App1. App1 uses custom Active Directory attributes to store encryption keys. App1 is a business critical application that must be migrated to Windows Azure.

A server named SERVER2 hosts App1. SERVER2 runs Windows Server 2008 R2. The disk configuration for SERVER2 is shown in the following table:

Volume	Drive letter	Capacity	Contents	Free space
System	C:\	120 GB	system files	40%
App	D:\	20 GB	App1	10%
AppData	E:\	1024 GB	App1 data	30%

A server named SERVER1 hosts a database that is used by App1. SERVER1 runs Windows Server 2008 R2 and SQL Server 2008 R2. The disk configuration for SERVER1 is shown in the following table:

Volume	Drive letter	Capacity	Contents	Free space
System	C:\	120 GB	system files	40%
Data	D:\	4096 GB	database files	5%

The Contoso management team plans to increase the use of App1. To accommodate these plans, the size of the database must be increased

**Sales Department**

Users in the sales department use laptop computers when they travel. Salespeople use a legacy application named ContosoSales on their laptop computers.

Salespeople can use a pool of shared desktop computers in each office.

The ContosoSales app is dependent on a specific registry key that is frequently overwritten by third-party applications. This causes the ContosoSales app to stop working.

**Business Requirements**

All DNS servers must be placed in a physically secure location.

**Software development department**

All software developers must migrate their servers and workstations to the DNS domain lab.contoso.com to ensure that frequent changes to DNS do not interfere with the production environment.

Finance department

All servers that host App1 must be migrated to Windows Azure. A new Azure virtual machine (VM) named CLOUD2 must be deployed to Windows Azure.

Sales department

Users in the sales department should not be able to run applications on their laptop computers that are not approved by the security department. Users in the sales department should have no such restrictions while they work on the desktop computers in the office.

Technical Requirements App1 requirements

You have the following requirements:

? The size of the database for App1 must be increased to 8 TB.

? The encryption keys for App1 should not be replicated to the offices where physical server security is not guaranteed.

? The amount of disk space that is used by Windows Azure must be minimized.

Infrastructure requirements

You have the following requirements:

? The lab.contoso.com DNS domain zone must not be replicated or transferred to DNS servers outside of the London office.

? A new DNS domain zone named research.contoso.com must be deployed for users in the research department.

? The research.contoso.com DNS domain zone must be protected by using DNS Security Extensions (DNSSEC).

? All computers in the London and Madrid offices must install Windows Updates from the server WSUS1.

? A new domain controller for the contoso.com domain must be deployed in the Madrid office.

? Replication traffic must be minimized when the new domain controllers are deployed.

? New WMI filters must not conflict with existing WMI filters.

#### NEW QUESTION 62

You need to deploy the new domain controller for the Madrid office.

What should you do?

A. Run the Windows PowerShell cmdlet Install-ADDSDomainController in the Madrid office and specify the CriticalReplicationOnly Parameter.

B. Prepare DC1 for virtual domain controller cloning and then copy the clone to the Madrid office.

C. Run the Windows Powershell cmdlet Install-ADDSDomain in the Madrid office and specify the NoGlobalCatalog parameter.

D. Prepare Active Directory Domain Services installation media on DC1, and use the media to deploy a read-only domain controller in the Madrid office.

**Answer: A**

#### NEW QUESTION 63

You need To configure the Group Policy for salespeople.

Solution: You create a Group Policy Object (GPO) with an AppLocker policy. You link the GPO to the Computers OU for each location.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### NEW QUESTION 64

You need To configure the Group Policy for salespeople.

Solution: You move all shared desktops to a separate organizational unit (OU). You create one Group Policy object (GPO) that has an AppLocker policy rule and enable loopback policy processing within the GPO. You link the GPO to the new OU.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### NEW QUESTION 67

This question consists of two statements: One is named Assertion and the other is named Reason. Both of these statements may be true; both may be false; or one may be true, while the other may be false.

To answer this question, you must first evaluate whether each statement is true on its own. If both statements are true, then you must evaluate whether the Reason (the second statement) correctly explains the Assertion (the first statement). You will then select the answer from the list of answer choices that matches your evaluation of the two statements.

Assertion:

You must host the DNS zone research.contoso.com on MADSRV1.

Reason:

You must host Domain Name System Security Extensions (DNSSEC) zones on Active Directory Domain Services-integrated DNS servers.

Evaluate the Assertion and Reason statements and choose the correct answer option.

A. Both the Assertion and Reason are true, and the Reason is the correct explanation for the Assertion,

B. Both the Assertion and Reason are true, but the Reason is not the correct explanation for the Assertion.

C. The Assertion is true, but the Reason is false.

D. The Assertion is false, but the Reason is true.

E. Both the Assertion and the Reason are false.

**Answer: C**

**Explanation:** Topic 7, Line-of-business applications

Business Requirements

Line-of-business applications

A line-of-business (LOB) application named App1 is deployed on LA-SVR01 and LA- SVR02.

Backups

All company data is temporarily backed up by using snapshots, and then archived to long- term media. When possible, metadata and non-critical information must

be stored by using

AD DS.

Monitoring

System Center is used as the primary monitoring tool for server and application performance.

The company also plans to monitor core services, such as DNS, DHCP, and AD DS. Any additional monitoring capabilities must be performed by using System Center.

Active Directory

The company plans to use Active Directory to store personal information for employees. Users in the branch offices must not be able to view the confidential data that is stored for other users.

File shares

The NY-SRV05 server acts as the primary file server in the domain. File shares are replicated to LA-SRV03. Client computers use NY-SRV05 to access file in the file share, BranchCache distributed mode is enabled in each branch office. Each client computer has a 250-GB hard drive that is used by the Local Cache.

BranchCache must be able to use up to 10% of the 250-GB hard drive for the local cache.

Consolidation

The company plans to consolidate the amount of servers that are in both data centers. Company management needs to generate a report that describes how consolidation will affect power and cooling costs in the data center.

Technical Requirements Server deployments

The existing Microsoft Azure environment does not have the ability to expand

automatically. The Azure environment must support the ability to deploy additional virtual machines (VMs) automatically. The on-premises deployment environments must deploy only to trusted computers. When possible, System Center must be used to deploy and manage the on-premises and Azure environments. System Center must also be used to migrate existing virtual machines from VMM to Azure.

Monitoring

The DHCP service must be monitored and reported if the service stops or restarts. Additionally, DHCP scope and Network Access Protection (NAP) related events must be monitored.

Azure migration

The company plans to migrate existing services, including System Center management servers, to Azure. To reduce costs, the migration must use the minimum number of Azure VM instances to migrate the services.

App1

App1 uses a DNS application directory partition on LA-DC01 and NY-DC01. App1 uses IPv6 for network connectivity and must resolve single-label names for resources in the woodgrovebank.com DNS zone. GlobalNames zone has been created, but the zone has not been populated with resource records.

Active Directory Domain Services

The company plans to use the Employee-Number user property to store personal identification numbers.

File shares

Each branch office connects to the New York data center to retrieve file shares. BranchCache distributed mode is enabled in each branch office. The cache on each client computer must be a single file.

Consolidation reports

The company requires a report that describes the impact of consolidation. The report must provide the following information:

- ? An inventory of the existing physical server environment
- ? Visual charts that show the reduction of physical servers

**NEW QUESTION 69**

HOTSPOT

You need to protect the personal data of employees.

What should you do? To answer, select the appropriate options in the answer area.

**Answer Area**

User Property	Attributes	Value
<input type="checkbox"/> roomNumber <input type="checkbox"/> Employee-Type <input type="checkbox"/> Employee-Number <input type="checkbox"/> departmentNumber	<input type="checkbox"/> searchFlags <input type="checkbox"/> systemFlags <input type="checkbox"/> systemOnly <input type="checkbox"/> attributeSyntax	<input type="checkbox"/> 0 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128

**Answer:**

**Explanation:** Scenario: Active Directory

The company plans to use Active Directory to store personal information for employees. Users in the branch offices must not be able to view the confidential data that is stored for other users.

Active Directory Domain Services

The company plans to use the Employee-Number user property to store personal identification numbers.

**NEW QUESTION 74**

A company has offices in multiple geographic locations. The sites have high-latency, low- bandwidth connections. You need to implement a multisite Windows Deployment Services (WDS) topology for deploying standard client device images to all sites.

Solution: At each site, you deploy a local WDS server that runs only the Transport role. You configure local DHCP servers to direct local clients to the local WDS server.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:** Reference: Windows Deployment Services Getting Started Guide for Windows Server 2012

**NEW QUESTION 75**

You need to generate the required report Which tool should you use?

- A. Microsoft Deployment Toolkit (MDT)
- B. Microsoft Desktop Optimization Pack (MDOP)
- C. Microsoft Assessment and Planning Toolkit (MAP)
- D. Application Compatibility Toolkit (ACT)

**Answer: C**

**Explanation:** Scenario: Consolidation reports

The company requires a report that describes the impact of consolidation. The report must provide the following information:

- An inventory of the existing physical server environment
- Visual charts that show the reduction of physical servers

Reference: Microsoft Assessment and Planning (MAP) Toolkit for Hyper-V

Topic 8, Parnell Aerospace

Overview

Overview

Parnell Aerospace designs materials and components that are used for commercial airlines.

Parnell has a main office in Dallas and branch offices in Seattle, Atlanta, and New York Parnell has an Active Directory Domain Services (AD DS) domain named parnellaero.com for the Dallas and Manta offices. The forest and

Domain functional levels are set to Windows Server 2008.

Domain Controllers

The domain controllers are displayed in the following table:

Name	Role	Location	IP Address
PAR-DC01	Domain controller	Dallas	192.168.100.100
PAR-DC02	Domain controller	Dallas	192.168.100.101
PAR-DC03	Domain controller	Atlanta	172.16.1.1
PAR-DC04	Domain controller	Atlanta	172.16.1.2

The Seattle and New York offices have their own child domain named sales.parnellaero.com. The domain controllers are displayed in the following table.

Name	Role	Location	IP Address
SALE-DC01	Domain controller	Seattle	10.100.1.1
SALE-DC02	Domain controller	Seattle	10.100.1.2
SALE-DC03	Domain controller	New York	10.200.1.1
SALE-DC04	Domain controller	New York	10.200.1.2

Parnell also has a number of satellite offices, without domain controllers, that act as both sales and design locations.

Employees have the ability to walk into any office to connect to their respective domain and access the software they need.

All servers in each office run Windows Server 2012 R2 and are 64-bit platforms. Client devices in each office run Windows 7 and Windows 8.1.

Expansion

Parnell Aerospace is expanding to Great Britain. Parnell creates the domain uk.parnellaero.com for the new offices to use.

Parnell creates a new sales office in London,

Parnell also purchases a company in Glasgow named Flight Build that can expand Parnell's research and design division. Flight Build has low security and limited bandwidth Flight Build has the domain name flightbuild.com. Flight Build has a single domain controller named FB-DC. Flight Build users use an application that must run on the domain controller

Flight Build's server environment contains a server that runs Windows Server 2012 R2 and has Microsoft SQL Server 2012 installed. Ports 12345, 6789, and 10111 have been assigned for System Center Virtual Machine Manager (SCVMM) connections.

The domain controllers for the two new offices are displayed in the following table:

Name	Role	Location	IP Address
LON-DC01	Domain controller	London	10.30.1.1
LON-DC02	Domain controller	London	10.30.1.2
GLA-DC	Domain controller	Glasgow	10.40.1.1

Business Requirements Accessing Data Globally

Employees in any office, including satellite and branch offices, must be able to work securely on internal applications, independent of device, and still access all of the information they need.

At times, a large percentage of user's congregate in the same geography to work: on a specific task and environments need to scale quickly to meet the demands.

Application performance

In order to allow multiple simultaneous users to access the design application. The design application is published by using SCVMM

Data Conformity

All data needs to be synchronized between all offices to ensure that all users have the latest information available

Disaster Preparedness

In case of natural disaster, Parnell Aerospace must be able to continue work without disruption Servers in any location must be restored rapidly.

Expansion

The domain flightbuild.com must be renamed to integrate it into the domain uk.parnellaero.com

Users in the newly acquired Glasgow office report issues with long logon times. Parnell Aerospace must prepare a new domain controller for the logon traffic.

Parnell plans to deploy an additional SCVMM server in the Flight Build environment.

Sales reports

Parnell Aerospace's sales organization uses a large number of sales reports that are in the Excel format. The reports are very large and accessed often throughout the day. Users report that it takes a long time to open the files, even when they are using the local network.

Technical Requirements Mixed environment

The existing environment contains Windows servers and legacy UNIX servers. All UNIX servers run 32-bit operating systems. A Server named UNIX1 is a Fileserver.

Sales reports  
Sales reports must be saved on an automated storage tier named Sales Reports. All file servers are equipped with both solid-state drives and standard hard-disk drives.

Sales Application  
A sales application in the parneraero.com domain must be accessible to users outside of the network during sales calls. The application is configured by using automatic triggering of VPN connections.

Design Application  
A design application must allow automatic logon by using VPN when users in the parnellaero.com domain are working from a location outside of the office. Users report the authentication fails.

UK Division Sales  
Sales people in the new UK domain must be able to access a web-based sales application named UKSales that is used in their geography by using any device including hand-held units, smart phones, and laptop computers.

Active Directory  
The Active Directory Recycle Bin must be enabled throughout the forest.

#### NEW QUESTION 77

This question consists of two statements: One is named Assertion and the other is named Reason. Both of these statements may be true; both may be false; or one may be true, while the other may be false. To answer this question, you must first evaluate whether each statement is true on its own. If both statements are true, then you must evaluate whether the Reason (the second statement) correctly explains the Assertion (the first statement). You will then select the answer from the list of answer choices that matches your evaluation of the two statements.

Assertion:

You can run the `RENDOM` command on the GIA-DC domain controller to rename the domain.

Reason:

The `RENDOM` command is installed as part of the Active Directory Domain Services role when you promote a server to the domain controller role. The command allows you to rename the domain.

Evaluate the Assertion and Reason statements and choose the correct answer option.

- ? Both the Assertion and Reason are true, and the Reason is the correct explanation for the Assertion.
- ? Both the Assertion and Reason are true but the Reason is not the correct explanation for the Assertion.
- ? The Assertion is true, but the Reason is false.
- ? The Assertion is false, but the Reason is true.

A. Both the Assertion and the Reason are false.

**Answer: A**

#### NEW QUESTION 79

You need to give Great Britain division access to the UKSales application. What should you set up?

- A. a border Gateway protocol
- B. a multi-tenant client-to-site VPN gateway
- C. a web application proxy
- D. a multi-tenant Remote Access VPN gateway

**Answer: C**

**Explanation:** In the section sales department UK states: The sales staff of the new domain for the United Kingdom must comply with any device, including smartphones and laptop, can access a web-based sales application named UKSales for their region. The web-based sales application UKSales is not identical to the sales application is hosted in greenwing.com domain. In the sales application domain greenwing.com is a client-server application. In order to optimize the security of access to the web-based application UKSales, a Webanwendungsproxy (reverse proxy) should be installed and configured.

#### NEW QUESTION 83

You need to ensure that users can access sales reports. Which Windows PowerShell cmdlet should you run?

- A. `set_FileStorageTier`
- B. `Get-FileStorageTier`
- C. `Set-storageTier`
- D. `Get_StorageProvider`
- E. `Clear-FileStorageTier`

**Answer: A**

#### NEW QUESTION 86

Your network contains an Active Directory forest named contoso.com.

You plan to automate the deployment of servers that run Windows Server 2012. You identify the following requirements for the deployment:

- ? Update the custom images that will be used for the deployment.
- ? Add custom drivers to the images that will be used for the deployment.
- ? Add software packages to the images that will be used for the deployment.
- ? Perform a zero touch bare-metal installation that uses Wake On LAN.

A network consultant recommends using Windows Deployment Services (WDS) and the Windows Assessment and Deployment Kit (Windows ADK) to deploy the servers.

You need to identify which requirements are achieved by using the consultant's recommendations.

Which requirements should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

A. Update the custom images used for the deployment.

- B. Add software packages to the images used for the deployment.
- C. Perform a zero touch bare-metal installation that uses Wake On LAN.
- D. Add custom drivers to the images used for the deployment.

**Answer:** AD

**Explanation:** Microsoft Deployment Toolkit 2010 MDT 2010 requires Windows AIK for Windows.

Manage your images, from adding/removing drivers to easily swapping out the operating system you would like to deploy.

Incorrect:

Not C: System Center Configuration Manager (ConfigMgr)

ConfigMgr allows you to push an OSD to the computers of your choice at the time of your choosing due to its built in Wake on LAN (WOL) feature.

#### NEW QUESTION 90

Your network contains an Active Directory domain named contoso.com.

You currently have an intranet web site that is hosted by two Web servers named Web1 and Web2. Web1 and Web2 run Windows Server 2012.

Users use the name intranet.contoso.com to request the web site and use DNS round robin.

You plan to implement the Network Load Balancing (NLB) feature on Web1 and Web2. You need to recommend changes to the DNS records for the planned implementation. What should you recommend?

- A. Create a service locator (SRV) record
- B. Map the SRV record to Intranet.
- C. Delete both host (A) records named Intranet
- D. Create a pointer (PTR) record for each Web server.
- E. Remove both host (A) records named Intranet
- F. Create a new host (A) record named Intranet.
- G. Delete both host (A) records named Intranet
- H. Create two new alias (CNAME) records named Intranet
- I. Map each CNAME record to a Web server name.

**Answer:** C

#### NEW QUESTION 94

Your network contains on Active Directory domain named adatum.com.

An administrator plans to delegate control of custom tasks on several organizational units (OUs).

You need to ensure that the custom tasks appear in the list of tasks that can be delegated from the Delegation of Control Wizard.

What should you do?

- A. Configures custom MMC console.
- B. Add a new class to the Active Directory schema.
- C. Configure a new authorization store by using Authorization Manager.
- D. Modify the Delegwiz.inf file.

**Answer:** D

#### NEW QUESTION 98

DRAG DROP

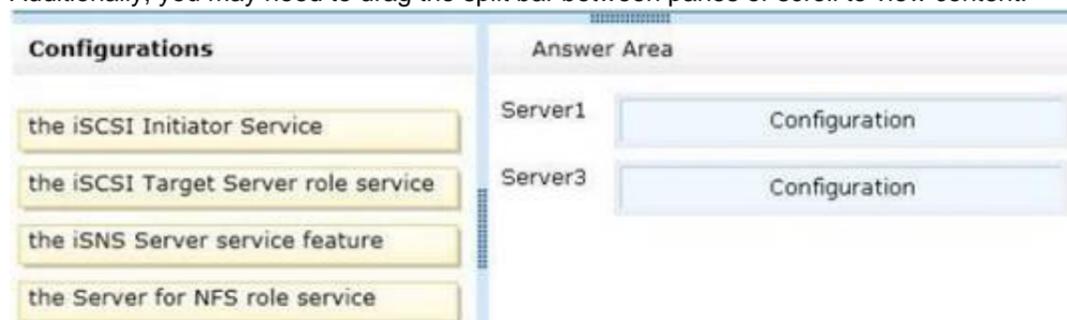
Your network contains three servers named Server1, Server2, and Server3 that run Windows Server 2012. Server3 is connected to a disk storage array.

You need to ensure that Server1 can store files on the storage array. The solution must ensure that Server1 can access the storage as a local disk.

What should you configure on each server?

To answer, drag the appropriate configuration to the correct location in the answer area. Each configuration may be used once, more than once, or not at all.

Additionally, you may need to drag the split bar between panes or scroll to view content.



**Answer:**

**Explanation:** Box 1: iSCSI Initiator Service

Services that depend on iSCSI devices

Devices that are connected to a computer through Microsoft iSCSI Initiator are presented to the Windows operating system later in the boot process than direct-attached storage. There are applications and services that make assumptions about the timing of the availability of the devices. The Microsoft iSCSI Initiator service and the Service Control Manager in the Windows operating system help these applications and services synchronize with information about the devices and volumes that are hosted on iSCSI targets.

Box 2: iSCSI Target Server role service

With iSCSI Target Server, any computer running Windows Server 2012 can become a storage device.

Step 1: Install iSCSI Target Server and failover clustering Step 2: Configure the iSCSI initiator

Step 3: Create the high availability iSCSI Target Server role service Step 4: Configure iSCSI storage provider identity credentials

**NEW QUESTION 103**

DRAG DROP

Your company plans to deploy a remote access solution to meet the following requirements:

? Ensure that client computers that are connected to the Internet can be managed remotely without requiring that the user log on.

? Ensure that client computers that run Windows Vista or earlier can connect remotely.

? Ensure that non-domain-joined computers can connect remotely by using TCP port 443.

You need to identify which remote access solutions meet the requirements. Which solutions should you identify?

To answer, drag the appropriate solution to the correct requirement in the answer area. Each solution may be used once, more than once, or not at all.

Additionally, you may need to drag the split bar between panes or scroll to view content.

Solutions	Answer Area
DirectAccess	Solution Ensure that client computers that are connected to the Internet can be managed remotely without requiring that the user log on.
L2TP VPN	Solution Ensure that client computers that run Windows Vista or earlier can connect remotely.
SSTP VPN	Solution Ensure that non-domain-joined computers can connect remotely by using TCP port 443.

**Answer:**

**Explanation:** Box 1: Direct Access Box 2: L2TP VPN Box 3: SSTP VPN

Note:

\*Direct is supported in Windows 7 and newer so second answer is not correct it should be L2TP VPN.

\* DirectAccess, introduced in the Windows 7 and Windows Server 2008 R2 operating systems, allows remote users to securely access enterprise shares, web sites, and applications without connecting to a virtual private network (VPN).

\* Both L2TP and IPsec must be supported by both the VPN client and the VPN server. Client support for L2TP is built in to the Windows Vista® and Windows XP remote access clients, and VPN server support for L2TP is built in to members of the Windows Server® 2008 and Windows Server 2003 family.

\* Secure Socket Tunneling Protocol (SSTP) is a form of VPN tunnel that provides a mechanism to transport PPP or L2TP traffic through an SSL 3.0 channel. SSL provides transport-level security with key-negotiation, encryption and traffic integrity checking. The use of SSL over TCP port 443 allows SSTP to pass through virtually all firewalls and proxy servers.

**NEW QUESTION 105**

Your network contains two server named DHCP1 and DHCP2 that run Windows Server 2012 and have the DHCP Server server role installed. You need to design a highly available DHCP deployment to meet the following requirements.

- . Deploy stateless DHCPv6
- . Provide Ipv6 options to clients on multiple subnets.
- . Allow for clients to renew existing IPV6 address leases if a single server is unavailable.
- . Minimize administrative effort.

What should you include in the design?

- A. Configure both servers to provide identical option configuration.
- B. Add DHCP1 and DHCP2 to a failover cluster
- C. Configure the DHCP for high availability.
- D. From DHCP1, configure DHCP Failover in Hot Standby Mode
- E. From DHCP1, configure DHCP Failover in Load Balance Mode.

**Answer:** A

**NEW QUESTION 110**

You have a server named Server1 that runs Windows Server 2012. You have a 3-TB database that will be moved to Server1.

Server1 has the following physical disks:

? Three 2-TB SATA disks that are attached to a single IDE controller

? One 1-TB SATA disk that is attached to a single IDE controller

You need to recommend a solution to ensure that the database can be moved to Server1. The solution must ensure that the database is available if a single disk fails.

What should you include in the recommendation?

- A. Add each disk to a separate storage pool
- B. Create a mirrored virtual disk.
- C. Add two disks to a storage pool
- D. Add the other disk to another storage pool
- E. Create a mirrored virtual disk.
- F. Add all of the disks to a single storage pool, and then create two simple virtual disks.
- G. Add all of the disks to a single storage pool, and then create a parity virtual disk.

**Answer:** D

**Explanation:** A parity virtual disk is similar to a hardware Redundant Array of Inexpensive Disks (RAID5). Data, along with parity information, is striped across multiple physical disks. Parity enables Storage Spaces to continue to service read and write requests even when a drive has failed. A minimum of three physical disks is required for a parity virtual disk. Note that a parity disk cannot be used in a failover cluster.

Reference: <https://winsvr.wordpress.com/2013/01/22/storage-space-virtual-disk/>

**NEW QUESTION 114**

Your network contains 500 client computers that run Windows 7 and a custom application named App1. App1 uses data stored in a shared folder. You have a failover cluster named Cluster1 that contains two servers named Server1 and Server2. Server1 and Server2 run Windows Server 2012 and are connected to an iSCSI Storage Area Network (SAN). You plan to move the shared folder to Cluster1. You need to recommend which cluster resource must be created to ensure that the shared folder can be accessed from Cluster1. What should you recommend? More than one answer choice may achieve the goal. Select the BEST answer.

- A. The Generic Application cluster role
- B. The DFS Namespace Server cluster role
- C. The clustered File Server role of the File Server for general use type
- D. The clustered File Server role of the File Server for scale-out application data type

**Answer: C**

**NEW QUESTION 115**

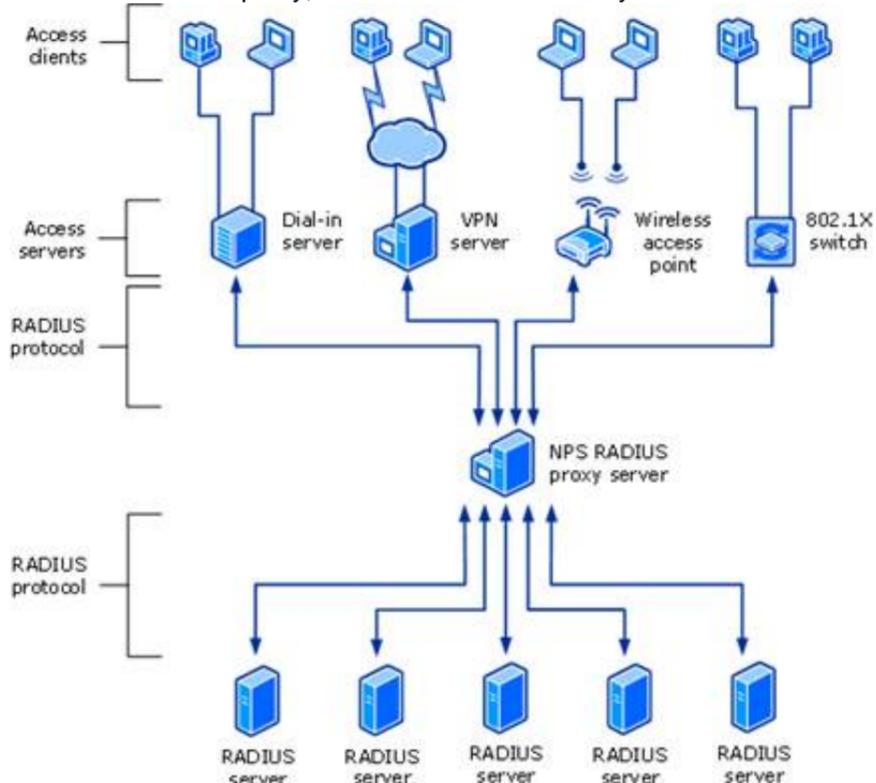
Your company is a hosting provider that provides cloud-based services to multiple customers. Each customer has its own Active Directory forest located in your company's datacenter. You plan to provide VPN access to each customer. The VPN solution will use RADIUS for authentication services and accounting services. You need to recommend a solution to forward authentication and accounting messages from the perimeter network to the Active Directory forest of each customer. What should you recommend? More than one answer choice may achieve the goal. Select the BEST answer.

- A. One RADIUS proxy for each customer and Active Directory Federation Services (AD FS)
- B. A RADIUS server for each customer and one RADIUS proxy
- C. One RADIUS proxy and one Active Directory Lightweight Directory Services (AD LDS) instance for each customer
- D. A RADIUS server for each customer and a RADIUS proxy for each customer

**Answer: B**

**Explanation:** One RADIUS proxy and several RADIUS servers.

You want to provide RADIUS authentication and authorization for outsourced service providers and minimize intranet firewall configuration. An intranet firewall is between your perimeter network (the network between your intranet and the Internet) and intranet. By placing an NPS server on your perimeter network, the firewall between your perimeter network and intranet must allow traffic to flow between the NPS server and multiple domain controllers. By replacing the NPS server with an NPS proxy, the firewall must allow only RADIUS traffic to flow between the NPS proxy and one or multiple NPS servers within your intranet.



Reference: RADIUS Proxy <https://msdn.microsoft.com/en-us/library/cc731320.aspx>

**NEW QUESTION 116**

Your network contains an Active Directory domain named contoso.com. All domain controllers run Windows Server 2012 R2. The forest functional level is Windows Server 2012. Your company plans to deploy an application that will provide a search interface to users in the company. The application will query the global catalog for the Employee-Number attribute. You need to recommend a solution to ensure that the application can retrieve the Employee-Number value from the global catalog. What should you include in the recommendation?

- A. the Set-AdObject cmdlet
- B. The Set-User cmdlet
- C. the Set-ADUser cmdlet
- D. the cluster command

**Answer: C**

**NEW QUESTION 120**

Your network contains an Active Directory domain named contoso.com. Client computers run either Windows 7 or Windows 8. You plan to implement several Group Policy settings that will apply only to laptop computers. You need to recommend a Group Policy strategy for the planned deployment. What should you include in the recommendation? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Loopback processing
- B. WMI filtering
- C. Security filtering
- D. Block inheritance

**Answer: B**

**Explanation:** Group Policy WMI Filter – Laptop or Desktop Hardware

A method to detect hardware as laptop only is to look for the presence of a battery based on the BatteryStatus property of the Win32\_Battery class. By using the Win32\_Battery class, we can search to see if there is a battery present. If the battery status is not equal to zero (BatteryStatus <> 0 ) then you know that it is a laptop.

Reference: Group Policy WMI Filter – Laptop or Desktop Hardware <http://discoposse.com/2012/04/05/group-policy-wmi-filter-laptop-or-desktop-hardware/>

**NEW QUESTION 125**

Your network contains an Active Directory forest named contoso.com. The forest functional level is Windows Server 2012. The forest contains an Active Directory domain. The domain contains a global security group named GPO\_Admins that is responsible for managing Group Policies in the forest.

A second forest named fabrikam.com contains three domains. The forest functional level is Windows Server 2003.

You need to design a trust infrastructure to ensure that the GPO\_Admins group can create, edit, and link Group Policies in every domain of the fabrikam.com forest.

What should you include in the design?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. A two-way forest trust
- B. A one-way forest trust
- C. Three external trusts
- D. Three shortcut trusts

**Answer: B**

**Explanation:** A one-way trust is a unidirectional authentication path created between two domains. In a one-way trust between Domain A and Domain B, users in Domain A can access resources in Domain B. However, users in Domain B cannot access resources in Domain A. In this question Domain A would be contoso.com, which has the GPO\_Admins group, and Domain B would be the fabrikam.com domain, to which the GPO\_Admins should have access.

Reference: How Domain and Forest Trusts Work [https://technet.microsoft.com/en-us/library/cc773178\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc773178(v=ws.10).aspx)

**NEW QUESTION 127**

You are the administrator for a large company. You plan to implement servers in the environment that do not use local hard drives. You need to recommend a supported storage solution. Which technology should you recommend?

- A. Fiber Channel SAN
- B. Cloud storage
- C. USB flash drive
- D. DVD

**Answer: A**

**NEW QUESTION 129**

Your network contains an Active Directory forest that has two domains named contoso.com and europe.contoso.com. The forest contains five servers. The servers are configured as shown in the following table.

Server name	Location	Configuration	Operating system
DC1	Contoso.com	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DHCP server</li> <li>• DNS server</li> </ul>	Windows Server 2008 R2
DC2	Contoso.com	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DHCP server</li> <li>• DNS server</li> </ul>	Windows Server 2008 R2
DCE1	Europe.contoso.com	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DHCP server</li> <li>• DNS server</li> </ul>	Windows Server 2003 R2
DCE2	Europe.contoso.com	<ul style="list-style-type: none"> <li>• Domain controller</li> <li>• DHCP server</li> <li>• DNS server</li> </ul>	Windows Server 2003 R2
Server1	Contoso.com	File server	Windows Server 2012

You plan to manage the DHCP settings and the DNS settings centrally by using IP Address Management (IPAM).

You need to ensure that you can use IPAM to manage the DHCP and DNS settings in both domains. The solution must use the minimum amount of administrative effort.

What should you do?

- A. Upgrade DCE1 and DCE2 to Windows Server 2012, and then install the IP Address Management (IPAM) Server feature.
- B. Run the Set-IpamConfiguration cmdlet for each domain.
- C. Upgrade DCE1 and DCE2 to Windows Server 2012, and then install the IP Address Management (IPAM) Server feature.
- D. Run the Invoke-IpamGpoProvisioning cmdlet for each domain.
- E. Upgrade DC1 and DC2 to Windows Server 2012, and then install the IP Address Management (IPAM) Server feature.
- F. Run the Invoke-IpamGpoProvisioning cmdlet for each domain.
- G. Upgrade DC1 and DC2 to Windows Server 2012, and then install the IP Address Management (IPAM) Server feature.
- H. Run the Set-IpamConfiguration cmdlet for each domain.

**Answer: B**

**Explanation:** \* You can use IPAM to manage DHCP servers running on Windows Server 2008 R2 and above. Here DCE1 and DCE2 are running Windows 2003, so they need to be upgraded to Windows Server 2008 R2 or above.

\* Invoke-IpamGpoProvisioning

Creates and links group policies in the specified domain for provisioning required access settings on the servers managed by the computer running the IP Address Management (IPAM) server.

Incorrect:

Not C: DC1 and DC2 do not need to be upgraded as IPAM can manage DHCP servers running on Windows Server 2008 R2 and above.

Not A, Not D: Set-IpamConfiguration

Sets the configuration for the computer running the IP Address Management (IPAM) server, including the TCP port number over which the computer running the IPAM Remote Server Administration Tools (RSAT) client connects with the computer running the IPAM server.

Reference: IPAM managed DHCP server requirements <http://windowsitpro.com/windows-server-2003-end-support/ipam-managed-dhcp-server-requirements>

Upgrade the Windows 2003 Servers.

#### NEW QUESTION 134

Your network contains an Active Directory domain named contoso.com. The domain contains four computers that are configured as shown in the following table.

Server name	Hypervisor
Server1	Hyper-V on Windows Server 2012
Server2	Hyper-V on Windows Server 2008 R2
Server3	VMware ESXi 5.0
Client1	Hyper-V on Windows 8

You plan to use domain controller cloning.

You need to identify on which computers you can clone domain controllers that run Windows Server 2012.

Which computers should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Server1
- B. Server2
- C. Server3
- D. Client1

**Answer: AD**

**Explanation:** DC cloning can be done from either Hyper-V on Server 2012 and Hyper-V on Windows 8.

Reference: <http://www.anotherwindowsblog.com/2013/04/creating-vm-clones-in-microsoft-hyper-v.html>

#### NEW QUESTION 135

A company has a line-of-business application named Appl that runs on an internal IIS server. Appl uses a SQL Server 2008 database that is hosted on the same server. You move the database to a dedicated SQL Server named SQL1. Users report that they can no longer access the application by using their domain credentials. You need to ensure that users can access Appl.

Solution: You configure App1 and SQL1 to use NTLM authentication. Then you restart the IIS and SQL Server services.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:** We would need to map the Windows Identity to a SQL Server database as well.

Note: NTLM authentication is also known as integrated Windows authentication. If your application runs on a Windows-based intranet, you might be able to use Windows integrated authentication for database access. Integrated security uses the current Windows identity established on the operating system thread to access the SQL Server database. You can then map the Windows identity to a SQL Server database and permissions.

Reference: How to: Access SQL Server Using Windows Integrated Security [https://msdn.microsoft.com/en-us/library/bsz5788z\(v=vs.100\).aspx](https://msdn.microsoft.com/en-us/library/bsz5788z(v=vs.100).aspx)

#### NEW QUESTION 139

A company has offices in multiple geographic locations, The sites have high-latency, low- bandwidth connections, You need to implement a multiple Windows Deployment Server (WDS) topology for deploying standard client device images to all sites.

Solution: You install four WDS servers and configure them as load-balanced cluster Does this meet you goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 141**

Your network contains an Active Directory forest named contoso.com.  
 You plan to deploy 200 Hyper-V hosts by using Microsoft System Center 2012 Virtual Machine Manager (VMM) Service Pack 1 (SP1).  
 You add a PXE server to the fabric.  
 You need to identify which objects must be added to the VMM library for the planned deployment.  
 What should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. A host profile
- B. A capability profile
- C. A hardware profile
- D. A generalized image
- E. A service template

**Answer:** AD

**Explanation:** After installing a PXE server, we build a deployment image from which we will deploy new Hyper-V hosts. That image must be a generalized virtual hard disk (VHD) file. After the image has been created we create a host profile.

Reference: System Center Virtual Machine Manager: Virtual machine management simplified  
<https://technet.microsoft.com/en-us/magazine/jj884468.aspx>

**NEW QUESTION 144**

Your network contains two servers named Server1 and Server2 that run Windows Server 2012. Server1 and Server2 have the Hyper-V server role installed and are part of a host group named Group1 in Microsoft System Center 2012 Virtual Machine Manager (VMM).  
 Server1 and Server2 have identical hardware, software, and settings.  
 You configure VMM to migrate virtual machines if the CPU utilization on a host exceeds 65 percent. The current load on the servers is shown following table.

Server	Virtual machine	CPU utilization
Server1	VM1	20 percent
Server1	VM2	20 percent
Server1	VM3	15 percent
Server2	VM4	15 percent
Server2	VM5	15 percent
Server2	VM6	15 percent
Server2	VM7	15 percent

You start a new virtual machine on Server2 named VM8. VM8 has a CPU utilization of 20 percent.  
 You discover that none of the virtual machines hosted on Server2 are migrated to Server1. You need to ensure that the virtual machines hosted on Server2 are migrated to Server1. What should you modify from the Dynamic Optimization configuration?

- A. The Host Reserve threshold
- B. The Power Optimization threshold
- C. The Aggressiveness level
- D. The Dynamic Optimization threshold

**Answer:** C

**NEW QUESTION 147**

You plan to deploy multiple servers in a test environment by using Windows Deployment Services (WDS).  
 You need to identify which network services must be available in the test environment to deploy the servers.  
 Which network services should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Active Directory Domain Services (AD DS)
- B. DNS
- C. DHCP
- D. WINS
- E. Active Directory Lightweight Directory Services (AD LDS)
- F. Network Policy Server (NPS)

**Answer:** BC

**Explanation:** Prerequisites for installing Windows Deployment Services

\* (B) DNS. You must have a working Domain Name System (DNS) server on the network before you can run Windows Deployment Services.

\* (C): DHCP. You must have a working Dynamic Host Configuration Protocol (DHCP) server with an active scope on the network because Windows Deployment Services uses PXE, which relies on DHCP for IP addressing.

\* NTFS volume. Incorrect:

Not a: AD DS is not required if the WDS server is configured in Standalone mode. There is no mention of any domain in this scenario, so AD DS is not required for testing WDS.

Reference: Windows Deployment Services Overview <http://technet.microsoft.com/en-us/library/hh831764.aspx>

**NEW QUESTION 152**

You plan to simplify the organizational unit (OU) structure for a company. You must consolidate all member servers in the domain to a single OU named MemberServers.

You need to apply Group Policy settings for servers that meet the following criteria:

? Server operating systems: Windows Server 2012

? Server hardware platform: 64-bit

? Server memory: less than 16 GB of RAM

Solution: You create a WMI filter action that includes the following query:

```
select * from Win32_OperatingSystem where Version like
"6.2%" and ProductType="1" and OSArchitecture = "64-bit" where
Win32_PhysicalMemory > 16000000000
```

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:** The line Win32\_PhysicalMemory > 16000000000 means that the server memory must be larger than 16 GB. The WMI-filter should include the line Win32\_PhysicalMemory < 16000000000.

Note: The other criteria were OK:

Win32\_operatingsystem version number 6.2 indicates that it is either Windows 8 or Windows Server 2012.

Win32\_operatingsystem ProductType 3 indicates that it is an Server Operating system, but not a domain controller.

OSArchitecture ="64-bit" is also OK: the server hardware platform should be 64-bit.

Reference: Updated List of OS Version Queries for WMI Filters <http://www.nogeekleftbehind.com/2013/09/10/updated-list-of-os-version-queries-for-wmi-filters/>

**NEW QUESTION 155**

Your network contains two data centers named DataCenter1 and DataCenter2. The two data centers are connected by using a low-latency high-speed WAN link. Each data center contains multiple Hyper-V hosts that run Windows Server 2012. All servers connect to a Storage Area Network (SAN) in their local data center. You plan to implement 20 virtual machines that will be hosted on the Hyper-V hosts.

You need to recommend a hosting solution for the virtual machines.

The solution must meet the following requirements:

? Virtual machines must be available automatically on the network if a single Hyper- V host fails.

? Virtual machines must be available automatically on the network if a single data center fails.

What should you recommend?

- A. One failover cluster in DataCenter1 and Hyper-V replicas to DataCenter2
- B. One failover cluster in DataCenter2 and one DFS Replication group in DataCenter1
- C. One failover cluster that spans both data centers and SAN replication between the data centers
- D. One failover cluster and one Distributed File System (DFS) Replication group in each data center

**Answer: C**

**NEW QUESTION 159**

Your company has a main office and a branch office.

You plan to implement a failover cluster named Cluster1 to host an application named App1. The data of App1 will replicate to all of the nodes in Cluster1.

Cluster1 will contain two servers. The servers will be configured as shown in the following table.

Server name	Office
Server1	Main
Server2	Main

The cluster nodes will not use shared storage.

The branch office contains two file servers named Server3 and Server4.

You need to ensure that App1 fails over automatically to another server if a single node in Cluster1 fails.

What should you do?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. Add Server3 as a node in Cluster1.
- B. Add Server1, Server2, and Server3 to a Network Load Balancing (NLB) cluster.
- C. Add Server3 and Server4 to a new failover cluster named Cluster2. Install App1 on Cluster2.
- D. Add Server3 as a file share witness for Cluster1.

**Answer: D**

**NEW QUESTION 162**

Your network contains an Active Directory domain. All servers run Windows Server 2012 R2.

The domain contains the servers shown in the following table.

Server name	Data type
Server1	A database server that has several instances of Microsoft SQL Server 2012
Server2	A file server that stores user home folders and shared documents
Server3	A Microsoft System Center 2012 R2 Virtual Machine Manager (VMM) library server that hosts virtual hard disks (VHDs)
Server4	A Microsoft Exchange Server 2013 server that has the Mailbox server role and the Client Access server role

You need to recommend which servers will benefit most from implementing data deduplication.

Which servers should you recommend?

- A. Server1 and Server2
- B. Server1 and Server3
- C. Server1 and Server4
- D. Server2 and Server3
- E. Server2 and Server4

F. Server3 and Server4

**Answer:** D

**Explanation:** \* Server 2: Data deduplication involves finding and removing duplication within data without compromising its fidelity or integrity. The goal is to store more data in less space by segmenting files into small variable-sized chunks (32–128 KB), identifying duplicate chunks, and maintaining a single copy of each chunk. Redundant copies of the chunk are replaced by a reference to the single copy. The chunks are compressed and then organized into special container files in the System Volume Information folder

\* Server 3: In Windows Server 2012 R2, Data Deduplication can be installed on a scale-out file server and used to optimize live VHDs for VDI workloads.  
 Reference: What's New in Data Deduplication in Windows Server

**NEW QUESTION 166**

Your network contains an Active Directory domain named contoso.com. The domain contains three Active Directory sites. The Active Directory sites are configured as shown in the following table.

Site name	Location
Site1	New York
Site2	Vancouver
Site3	Beijing

The sites connect to each other by using the site links shown in the following table.

Site link name	Connected sites
Link1	Site1 and Site2
Link2	Site2 and Site3
Link3	Site1 and Site3

You need to design the Active Directory site topology to meet the following requirements:

- ? Ensure that all replication traffic between Site2 and Site3 replicates through Site1 if a domain controller in Site1 is available.
- ? Ensure that the domain controllers between Site2 and Site3 can replicate if all of the domain controllers in Site1 are unavailable. What should you do?

- A. Delete Link2.
- B. Disable site link bridging.
- C. Delete Link3.
- D. Create one site link bridge.
- E. Modify the cost of Link2.

**Answer:** E

**NEW QUESTION 168**

Your network contains an Active Directory domain named contoso.com. The network has an Active Directory Certificate Services (AD CS) infrastructure.

You need to issue a certificate to users to meet the following requirements:

- ? Ensure that the users can encrypt files by using Encrypting File System (EFS).
- ? Ensure that all of the users reenroll for their certificate every six months.

Solution: You create a copy of the Basic EFS certificate template, and then you modify the validity period of the copy.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**NEW QUESTION 170**

Your network contains an Active Directory domain named contoso.com. The domain contains multiple sites.

You plan to deploy DirectAccess.

The network security policy states that when client computers connect to the corporate network from the Internet, all of the traffic destined for the Internet must be routed through the corporate network.

You need to recommend a solution for the planned DirectAccess deployment that meets the security policy requirement

Solution: You set the ISATAP State to state disabled. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:** With NAT64 and DNS64, the DirectAccess server now has the ability to take those client IPv6 packets and spin them down into IPv4 packets, so you can simply leave your internal network all IPv4. So back in the beginning it was standard practice to enable ISATAP globally. Today, because of the known issues, it is recommended not to use ISATAP at all, unless you have a specific reason for needing it

Note: ISATAP defines a method for generating a link-local IPv6 address from an IPv4 address, and a mechanism to perform Neighbor Discovery on top of IPv4. Reference: IS ISATAP REQUIRED FOR DIRECTACCESS?

**NEW QUESTION 175**

Your company plans to hire 100 sales representatives who will work remotely.

Each sales representative will be given a laptop that will run Windows 7. A corporate image of Windows 7 will be applied to each laptop.

While the laptops are connected to the corporate network, they will be joined to the domain. The sales representatives will not be local administrators.

Once the laptops are configured, each laptop will be shipped by courier to a sales representative. The sales representative will use a VPN connection to connect to the corporate network. You need to recommend a solution to deploy the VPN settings for the sales representatives. The solution must meet the following requirements:  
 ? Ensure that the VPN settings are the same for every sales representative.  
 ? Ensure that when a user connects to the VPN, an application named App1 starts.  
 What is the best approach to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. VPN auto triggering
- B. The Add-VpnConnection cmdlet
- C. The Connection Manager Administration Kit (CMAK)
- D. Group Policy preferences

**Answer: C**

**Explanation:** We can use CMAK to create a connection that starts the Application App1 when the connection is established. The latter is achieved through the configuring CMAK "Post-Connect" custom action.

Note : Connection Manager is a client network connection tool that allows a user to connect to a remote network, such as an Internet service provider (ISP), or a corporate network protected by a virtual private network (VPN) server.

The Connection Manager Administration Kit (CMAK) is a tool that you can use to customize the remote connection experience for users on your network by creating predefined connections to remote servers and networks. To create and customize a connection for your users, you use the CMAK wizard.

Incorrect:

Not B: The Add-VpnConnection cmdlet would be able to establish a connection, but it could not start the App1 application.

Reference: Connection Manager Administration Kit <https://technet.microsoft.com/en-us/library/cc752995.aspx>

**NEW QUESTION 176**

Your network contains an Active Directory domain named contoso.com. The domain contains a Microsoft System Center 2012 infrastructure. The domain contains two sites named Site1 and Site2. The sites connect to each other by using a 1-Mbps WAN link. The sites contain four servers. The servers are configured as shown in the following table.

Server name	Site	Configuration
Server1	Site1	<ul style="list-style-type: none"> <li>• Windows Server 2012</li> <li>• Virtual Machine Manager (VMM)</li> <li>• Windows Deployment Services (WDS)</li> </ul>
Server2	Site1	<ul style="list-style-type: none"> <li>• Windows Server 2008 R2</li> <li>• Virtual Machine Manager (VMM) library</li> </ul>
Server3	Site1	<ul style="list-style-type: none"> <li>• Windows Server 2012</li> <li>• Hyper-V</li> </ul>
Server4	Site2	<ul style="list-style-type: none"> <li>• Windows Server 2012</li> </ul>

In Site2, you plan to deploy 50 Hyper-V hosts.

You need to recommend a solution to deploy the Hyper-V hosts by using VMM. The solution must minimize the amount of traffic between Site1 and Site2 during deployment.

What should you recommend?

- A. On Server4, install VM
- B. From the Virtual Machine Manager console, add Server1 as a PXE server and add Server4 as a library server.
- C. On Server4/ install VM
- D. From the Virtual Machine Manager console, add Server1 as a PXE server and a library server.
- E. On Server4, install WD
- F. From the Virtual Machine Manager console, add Server4 as a PXE server and a library server.
- G. On Server4, install WD
- H. From the Virtual Machine Manager console, add Server4 as a PXE server and add Server1 as a library server.

**Answer: C**

**NEW QUESTION 177**

Your network contains an Active Directory domain named contoso.com. The domain contains three VLANs. The VLANs are configured as shown in the following table.

VLAN ID	Contents	Routing enabled to
1	Client computers	VLAN 2
2	<ul style="list-style-type: none"> <li>• Application servers</li> <li>• Domain controllers</li> <li>• Network Policy Service (NPS) servers</li> </ul>	VLAN 1 and the Internet
3	Windows Server Update Services (WSUS) server	Nowhere

All client computers run either Windows 7 or Windows 8.

The corporate security policy states that all of the client computers must have the latest security updates installed.

You need to implement a solution to ensure that only the client computers that have all of the required security updates installed can connect to VLAN 1. The solution must ensure that all other client computers connect to VLAN 3.

Solution: You implement the DHCP Network Access Protection (NAP) enforcement method.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**Explanation:** Implementing DHCP NAP to Enforce WSUS Updates

**NEW QUESTION 179**

Your network contains an internal network and a perimeter network. The internal network contains an Active Directory forest named contoso.com. The forest contains a Microsoft Exchange Server 2010 organization. All of the domain controllers in contoso.com run Windows Server 2012. The perimeter network contains an Active Directory forest named litware.com. You deploy Microsoft Forefront Unified Access Gateway (UAG) to litware.com. All of the domain controllers in litware.com run Windows Server 2012. Some users connect from outside the network to use Outlook Web App. You need to ensure that external users can authenticate by using client certificates. What should you do? More than one answer choice may achieve the goal. Select the BEST answer.

- A. To the perimeter network, add an Exchange server that has the Client Access server role installed.
- B. Deploy UAG to contoso.com.
- C. Enable Kerberos delegation in litware.com.
- D. Enable Kerberos constrained delegation in litware.com.

**Answer:** D

**Explanation:** Forefront TMG provides support for Kerberos constrained delegation (often abbreviated as KCD) to enable published Web servers to authenticate users by Kerberos after Forefront TMG verifies their identity by using a non-Kerberos authentication method. When used in this way, Kerberos constrained delegation eliminates the need for requiring users to provide credentials twice.

Reference: About Kerberos constrained delegation <https://technet.microsoft.com/en-us/library/cc995228.aspx>

**NEW QUESTION 183**

DRAG DROP

You manage an Active Directory Domain Services forest that contains a root domain named contoso.com and a child domain named branch.contoso.com. You have three servers named SRV01, SRV02, and SRV03. All servers run Windows Server 2012 R2. SRV01 and SRV02 are domain controllers for the domain contoso.com. SRV03 is the domain controller for branch.contoso.com. User accounts and resources exist in both domains. All resources in branch.contoso.com are physically located in a remote branch office.

The remote branch office must be configured as Read-Only Domain Controller (RODC). The solution must minimize the impact on users and the number of servers deployed in the branch office.

You need to configure the environment.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Uninstall Active Directory Domain Services from SRV03.	
Install a new server named SRV04 as a member of branch.contoso.com	
Use the Active Directory Migration Tool (ADMT) to migrate all resources from branch.contoso.com contoso.com	
Use ldidf.exe to export all resources from branch.contoso.com. Then import the resources to contoso.com	
Install an RODC on SRV03	
Promote SRV04 to RODC	

**Answer:**

**Explanation:** Box 1: We export all resources from the branch office, and import them into the main domain.

Ldifde creates, modifies, and deletes directory objects. You can also use ldidf to extend the schema, export Active Directory user and group information to other applications or services, and populate Active Directory Domain Services (AD DS) with data from other directory services.

Box 2: We decommission the domain controller SRV03 Box 3: And make it a RODC instead.

Incorrect:

We should not use an additional server SRV04.

**NEW QUESTION 187**

Your network contains five servers that run Windows Server 2012 R2.

You install the Hyper-V server role on the servers. You create an external virtual network switch on each server.

You plan to deploy five virtual machines to each Hyper-V server. Each virtual machine will have a virtual network adapter that is connected to the external virtual network switch and that has a VLAN identifier of 1.

Each virtual machine will run Windows Server 2012 R2. All of the virtual machines will run the identical web application.

You plan to install the Network Load Balancing (NLB) feature on each virtual machine and join each virtual machine to an NLB cluster. The cluster will be configured to use unicast only.

You need to ensure that the NLB feature can distribute connections across all of the virtual machines.

Solution: From the properties of each virtual machine, you add a second virtual network adapter. You connect the new virtual network adapters to the external virtual network switch and configure the new virtual network adapters to use a VLAN identifier of 2.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

#### NEW QUESTION 192

You have an IP Address Management (IPAM) server that runs Windows Server 2012 SP1. You need to integrate the IPAM server with System Center Virtual Machine Manager (SCVMM).

Solution: You create a dedicated user account named IPAM\_svc, and add it to the IPAM ASM Administrators local group on the IPAM server.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

#### NEW QUESTION 193

Your network contains an Active Directory forest named contoso.com. You plan to add a new domain named child.contoso.com to the forest.

On the DNS servers in child.contoso.com, you plan to create conditional forwarders that point to the DNS servers in contoso.com.

You need to ensure that the DNS servers in contoso.com can resolve names for the servers in child.contoso.com.

What should you create on the DNS servers in contoso.com?

- A. A zone delegation
- B. A conditional forwarder
- C. A root hint
- D. A trust point

Answer: A

**Explanation:** Understanding Zone Delegation

Domain Name System (DNS) provides the option of dividing up the namespace into one or more zones, which can then be stored, distributed, and replicated to other DNS servers. When you are deciding whether to divide your DNS namespace to make additional zones, consider the following reasons to use additional zones:

\* You want to delegate management of part of your DNS namespace to another location or department in your organization.

\* You want to divide one large zone into smaller zones to distribute traffic loads among multiple servers, improve DNS name resolution performance, or create a more-fault-tolerant DNS environment.

\* You want to extend the namespace by adding numerous subdomains at once, for example, to accommodate the opening of a new branch or site.

Reference: Understanding Zone Delegation <https://technet.microsoft.com/en-us/library/cc771640.aspx>

#### NEW QUESTION 196

Your network contains 50 servers that run Windows Server 2003 and 50 servers that run Windows Server 2008.

You plan to implement Windows Server 2012 R2.

You need to create a report that includes the following information:

? The servers that run applications and services that can be moved to Windows Server 2012 R2

? The servers that have hardware that can run Windows Server 2012 R2

? The servers that are suitable to be converted to virtual machines hosted on Hyper-V hosts that run Windows Server 2012 R2

Solution: From an existing server, you run the Microsoft Application Compatibility Toolkit (ACT).

Does this meet the goal?

- A. Yes
- B. No

Answer: B

**Explanation:** ACT is not the correct tool in this scenario.

Note: With the ACT, you can:

Analyze your portfolio of applications, websites, and computers

Evaluate operating system deployments, the impact of operating system updates, and your compatibility with websites

Centrally manage compatibility evaluators and configuration settings Rationalize and organize applications, websites, and computers Prioritize application compatibility efforts with filtered reporting

Add and manage issues and solutions for your enterprise-computing environment Deploy automated mitigations to known compatibility issues

Send and receive compatibility information from the Microsoft Compatibility Exchange

Reference: Application Compatibility Toolkit (ACT)

[https://msdn.microsoft.com/en-us/library/windows/desktop/dd562082\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/dd562082(v=vs.85).aspx)

#### NEW QUESTION 201

Your company has a main office, ten regional datacenters and 100 branch offices. You are designing the site topology for an Active Directory forest named contoso.com.

The forest will contain the following servers:

\* In each regional datacenter and in the main office, a domain controller that runs Windows Server 2012

\* In each branch office, a file server that runs Windows Server 2012

You have a shared folder that is accessed by using the path

\\contoso.com\shares\software. The folder will be replicated to a local file server in each branch office by using Distributed File System (DFS) replication.

You need to recommend an Active Directory site design to meet the following requirements:

\* Ensure that users in the branch offices will be authenticated by a domain controller in the closest regional datacenter.

\* Ensure that users automatically connect to the closest file server when they access

\\contoso.com\shares\software.

How many Active Directory sites should you recommend?

- A. 1

- B. 10
- C. 11
- D. 111

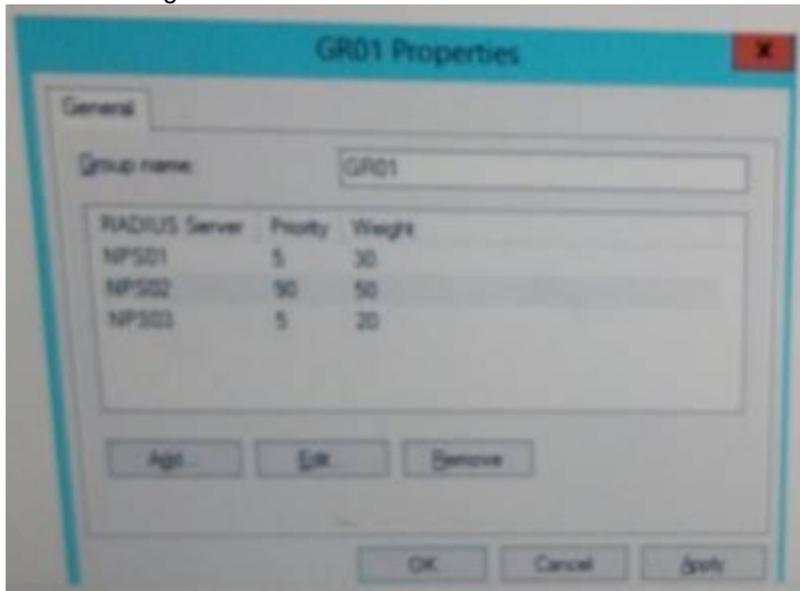
**Answer:** D

**Explanation:** One site for the main office, one site for each regional office (10 in total) as users must connect to the closest domain server which is located at the regional office level, and one site for each branch office (100 in total as users must connect to the closest file server which are located at the branch office level. This adds up to 111.

**NEW QUESTION 205**

DRAG DROP

You manage a Network Policy Server (NPS) infrastructure that contains four servers named NPSRX01, NPS01, NPS02, and NPS03. All servers run Microsoft Windows Server 2012 R2. NPSRX01 is configured as an NPS proxy. NPS01, NPS02, and NPS03 are members of a remote RADIUS server group named GR01. GR01 is configured as shown below:



You need to ensure that authentication requests are identified even when a server is unavailable.

If a given server is unavailable, which percentage of authentication requests will another server manage? To answer, drag the appropriate value to the correct scenario. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Actions	Answer Area	
10%	<b>Scenario</b>	<b>Percentage</b>
0%	Percentage of authentication request that NPS01 services if NPS03 is unavailable	Percent
50%	Percentage of authentication request that NPS02 services if NPS03 is unavailable	Percent
90%	Percentage of authentication request that NPS03 services if NPS03 is unavailable	Percent
5%	Percentage of authentication request that NPS04 services if NPS03 is unavailable	Percent
95%		

**Answer:**

**Explanation:** Box 1: 95%

Box 2: 5%

Box 3: 0%

Box 4: 0%

Note:

\* From the exhibit we have: NPS01: weight 30, priority: 5

NPS02: weight 50, priority: 90

NPS03: weight 20, priority: 5

Box 3: If NPS03 is unavailable it cannot handle any requests.Box 4: NPS04 is not mentioned in this question.

\* Priority. Priority specifies the order of importance of the RADIUS server to the NPS proxy server. Priority level must be assigned a value that is an integer, such as 1, 2, or 3. The lower the number, the higher priority the NPS proxy gives to the RADIUS server. For example, if the RADIUS server is assigned the highest priority of 1, the NPS proxy sends connection requests to the RADIUS server first; if servers with priority 1 are not available, NPS then sends connection requests to RADIUS servers with priority 2, and so on. You can assign the same priority to multiple RADIUS servers, and then use the Weight setting to load balance between them.

\* Weight. NPS uses this Weight setting to determine how many connection requests to send to each group member when the group members have the same priority level. Weight setting must be assigned a value between 1 and 100, and the value represents a percentage of 100 percent. For example, if the remote RADIUS server group contains two members that both have a priority level of 1 and a weight rating of 50, the NPS proxy forwards 50 percent of the connection requests to each RADIUS server.

**NEW QUESTION 208**

You have a server named Server1 that runs Windows Server 2012. Server1 has the DNS Server role installed.

You need to recommend changes to the DNS infrastructure to protect the cache from cache poisoning attacks.

What should you configure on Server1?

- A. DNS cache locking
- B. The global query block list
- C. DNS Security Extensions (DNSSEC)

D. DNS devolution

**Answer:** A

**Explanation:** Cache locking is a new feature available if your DNS server is running Windows Server 2008 R2. When you enable cache locking, the DNS server will not allow cached records to be overwritten for the duration of the time to live (TTL) value. Cache locking provides for enhanced security against cache poisoning attacks.

Reference: DNS Cache Locking

[https://technet.microsoft.com/en-us/library/ee683892\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/ee683892(v=ws.10).aspx)

**NEW QUESTION 209**

Your network contains an Active Directory domain named contoso.com.

Your company has 100 users in the sales department. Each sales user has a domain-

joined laptop computer that runs either Windows 7 or Windows 8. The sales users rarely travel to the company's offices to connect directly to the corporate network.

You need to recommend a solution to ensure that you can manage the sales users' laptop computers when the users are working remotely.

What solution should you include in the recommendation?

- A. Deploy the Remote Access server role on a server on the internal network.
- B. Deploy the Network Policy and Access Services server role on a server on the internal network.
- C. Deploy a Microsoft System Center 2012 Service Manager infrastructure.
- D. Deploy a Microsoft System Center 2012 Operations Manager infrastructure.

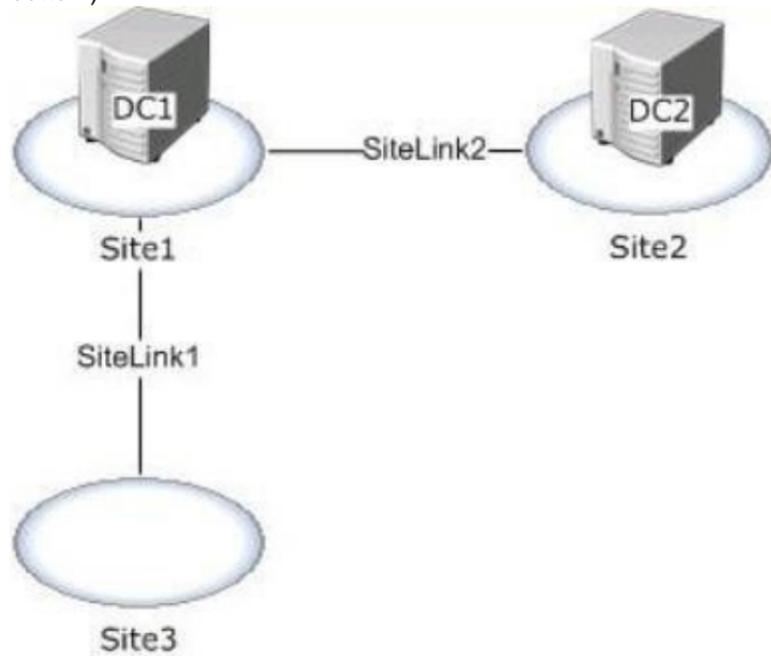
**Answer:** D

**Explanation:** Incorrect:

Not A: The Remote Access server role just give access to the remote computers, but you need to MANAGE their computers.

**NEW QUESTION 210**

Your network contains an Active Directory domain named contoso.com. The Active Directory site topology is configured as shown in the exhibit. (Click the Exhibit button.)



DC1 and DC2 run Windows Server 2003 R2. All FSMO roles are located on DC2. You plan to deploy a read-only domain controller (RODC) to Site3.

You need to recommend changes to the network to support the planned RODC implementation.

What should you recommend?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. To Site1, add an RODC that runs Windows Server 2012.
- B. Replace DC2 with a domain controller that runs Windows Server 2012.
- C. To Site2, add an RODC that runs Windows Server 2012.
- D. Replace DC1 with a domain controller that runs Windows Server 2012.

**Answer:** D

**Explanation:** Each RODC requires a writable domain controller running Windows Server 2012 for the same domain from which the RODC can directly replicate. Typically, this requires that a writable domain controller running Windows Server 2012 be placed in the nearest site in the topology.

Reference: Active Directory Replication Considerations [https://technet.microsoft.com/en-us/library/cc772065\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc772065(v=ws.10).aspx)

**NEW QUESTION 211**

You have a Hyper-V host named Hyper1 that has Windows Server 2012 installed. Hyper1 hosts 20 virtual machines.

Hyper1 has one physical network adapter.

You need to implement a networking solution that evenly distributes the available bandwidth on Hyper1 to all of the virtual machines.

What should you modify?

- A. The settings of the virtual switch
- B. The settings of the virtual network adapter
- C. The Quality of Service (QoS) Packet Scheduler settings of the physical network adapter

D. The settings of the legacy network adapter

**Answer:** A

**NEW QUESTION 212**

Assertion:

A company is implementing smart cards to authenticate users. Users must be able to self-provision their smart cards by using the One-Time Password (OTP) feature.

Reason:

You must configure a RADIUS server with software distribution tokens and ensure that communication ports are open, a shared secret has been created, user accounts corresponding to Active Directory Domain Services have been created on the RADIUS server, and the Remote Access server has been configured as a RADIUS authentication agent before you can configure the OTP support. Evaluate the Assertion and Reason statements and choose the correct answer option.

- A. Both the Assertion and Reason are true, and the Reason is the correct explanation for the Assertion,
- B. Both the Assertion and Reason are true, but the Reason is not the correct explanation for the Assertion.
- C. The Assertion is true, but the Reason is false.
- D. The Assertion is false, but the Reason is true.
- E. Both the Assertion and the Reason are false.

**Answer:** E

**NEW QUESTION 215**

Your company has three offices. The offices are located in New York, Chicago, and Atlanta.

The network contains an Active Directory domain named contoso.com that has three Active

Directory sites named Site1, Site2, and Site3. The New York office is located in Site1. The Chicago office is located in Site2. The Atlanta office is located in Site3.

There is a local IT staff to manage the servers in each site. The current domain controllers are configured as shown in the following table.

Domain controller name	Site	Operating system
DC01	Site1	Windows Server 2008 R2
DC02	Site1	Windows Server 2012 R2
DC03	Site2	Windows Server 2012
DC04	Site2	Windows Server 2012 R2
DC05	Site3	Windows Server 2012
DC06	Site3	Windows Server 2012 R2

The company plans to open a fourth office in Montreal that will have a corresponding Active Directory site. Because of budget cuts, a local IT staff will not be established for the Montreal site.

The Montreal site has the following requirements:

- ? Users must be able to authenticate locally.
  - ? Users must not have the ability to log on to the domain controllers.
  - ? Domain account passwords must not be obtained from servers in the Montreal site.
  - ? Network bandwidth between the Montreal site and the other sites must be minimized.
  - ? Users in the Montreal office must have access to applications by using Remote Desktop Services (RDS).
- You need to recommend a solution for the servers in the Montreal site. What should you recommend?

- A. Only install a domain controller in the Montreal site that has a Server Core installation of Windows Server 2012.
- B. Install a read-only domain controller (RODC) in the New York site.
- C. Install a read-only domain controller (RODC) in the Montreal site.
- D. Install a member server in the New York site to host additional server roles.
- E. Install a domain controller in the Montreal site that has a Server Core installation of Windows Server 2012. Install a member server in the Montreal site to host additional server roles.

**Answer:** C

**Explanation:** A local RODC in the new Montreal site would meet the requirements.

Incorrect:

Not A, not D: A domain controller is not required in the Montreal site.

Not B: We should place a new RODC in the new Montreal site, not in the New York site.

**NEW QUESTION 217**

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