

## 70-413 Dumps

### Designing and Implementing a Server Infrastructure

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**NEW QUESTION 1**

You implement and authorize the new DHCP servers. You import the server configurations and the scope configurations from PA1 and AM1. You need to ensure that clients can obtain DHCP address assignments after you shut down PA1 and AM1. The solution must meet the technical requirements. What should you do?

- A. Run the Get-DhcpServerv4Lease cmdlet and the Remove-DhcpServerv4Lease cmdle
- B. Run the Windows Server Migration Tools.
- C. Run the Get-DhcpServerv4Lease cmdlet and the Add-DhcpServerv4Lease cmdle
- D. Activate the scopes.
- E. Run the Get-DhcpServerv4FreeIPAddress cmdlet and the Invoke- DhcpServerv4FailoverReplication cmdle
- F. Run the Windows Server Migration Tools.
- G. Run the Get-DhcpServerv4FreeIPAddress cmdlet and the Invoke- DhcpServerv4FailoverReplication cmdlet Activate the scopes.

**Answer:** B

**Explanation:** The Get-DhcpServerv4Lease cmdlet gets one or more lease records from the Dynamic Host Configuration Protocol (DHCP) server service. The Add-DhcpServerv4Lease cmdlet adds a new IPv4 address lease on the Dynamic Host Configuration Protocol (DHCP) server service. This cmdlet is only supported for DHCP server service running on Windows Server® 2012.

**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 implementation of two new servers that will be configured as RADIUS servers.

You need to recommend which configuration must be performed on the VPN servers. The solution must meet the technical requirements.

What should you do on each VPN server?

- A. Add a RADIUS client.
- B. Install the Health Registration Authority role service.
- C. Enable DirectAccess.
- D. Modify the authentication provider.

**Answer:** D

**Explanation:** \* Implement RADIUS authentication for VPN connections.

\* The new sales.contoso.com domain will contain a web application that will access data from a Microsoft SQL Server located in the contoso.com domain. The web application must use integrated Windows authentication. Users' credentials must be passed from the web applications to the SQL Server.

**NEW QUESTION 4**

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 ManagementConsole (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 5**

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.com
- 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 IPv4v 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 6

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 7

You need to recommend a deployment method for Proseware.

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

- A. A WDS Deployment server and Multicast transmissions
- B. A WDS Deployment server and Unicast transmissions
- C. A WDS Transport server and Multicast transmissions
- D. A WDS Transport server and Unicast transmissions

**Answer: A**

**Explanation:** A WDS deployment server is appropriate in this scenario with three offices that will have 50 new clients each. As the WAN links are fast the computers can be deployed through multicast.

Incorrect:

Not B: As the offices are connected through high-bandwidth, low-latency WAN links unicast is not necessary.

Not C, Not D: As each office only will have 50 client computers, a small network, a deployment through a WDS transport server is not required.

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

#### NEW QUESTION 8

HOTSPOT

You need to recommend a configuration for the DHCP infrastructure.

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

**Answer Area**

Server on which to deploy the DHCP Server server role:

DHCP failover mode:

DHCP failover setting to configure:



**Answer Area**

Server on which to deploy the DHCP Server server role:	<div>▼</div> <div>DC02 DC04 RAS01 RAS02</div>
DHCP failover mode:	<div>▼</div> <div>Hot standby Load-balanced</div>
DHCP failover setting to configure:	<div>▼</div> <div>Load percentage Reserve percentage State switchover interval</div>

**Answer:**

**Explanation:** Box 1: DC02

DC02 is in New York site, which does not have a DHCP server, and it is a domain controller (which is required).

Not RAS01 as it is not a domain controller.

Not DC4 or RAS02 as they are located in Chicago, and the Chicago site already has a DHCP server.

Box 2: Host standby.

In Host standby mode only one of the servers actively leases IP addresses.

Not Load-Balanced as in this mode both DHCP servers answer client request, but according to scenario only one DHCP Server in each site must lease IP addresses at a given time.

Box 3: State switchover interval

For automatic state switchover to happen from communication interrupt to partner down state, you need to enable state switchover interval. If you don't do that then you would need to manually transition primary server to partner down mode.

\* Scenario:

- 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.

**NEW QUESTION 9**

**DRAG DROP**

You need to recommend the VPN protocols for Proseware.

What should you recommend? To answer, drag the appropriate VPN protocols to the correct offices. Each protocol 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,

<b>VPN Protocols</b>	<b>Answer Area</b>
<div>IKEv2</div>	The New York office: <div>VPN</div>
<div>L2TP</div>	The Chicago office: <div>VPN</div>
<div>PPTP</div>	
<div>SSTP</div>	

**Answer:**

**Explanation:** Explanation Box 1: IKEv2

An IKEv2 VPN provides resilience to the VPN client when the client moves from one wireless hotspot to another or when it switches from a wireless to a wired connection. This meets the requirement that users in the New York office must be able to reconnect to the remote access VPN servers automatically.

Box 2: SSTP

SSTP is the only of the listed tunneling protocols that uses SSL, and users in the Chicago office must use SSL to connect to the remote access VPN servers.

**NEW QUESTION 10**

You need to recommend a solution for the RODC.

Which attribute should you include in the recommendation?

- A. systemFlags
- B. searchFlags
- C. policy-Replication-Flags
- D. flags

**Answer:** B

**Explanation:** You can modify the searchFlags value for a read-only domain controller (RODC) to indicate confidential data on order to exclude specific data from replicating to RODCs in the forest. This meets the requirement as it is stated that RODCs must not contain personal user information.

Reference: Customize the RODC Filtered Attribute Set [https://technet.microsoft.com/en-us/library/cc754794\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc754794(v=ws.10).aspx)

**NEW QUESTION 10**

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 15

You need to recommend a solution that meets the security requirements. Which schema attribute properties should you recommend modifying?

- A. isIndexed
- B. searchFlags
- C. isCriticalSystemObject
- D. schemaFlagsEx

**Answer: B**

**Explanation:** \* Scenario: Confidential attributes must not be replicated to the Chicago office.

\* Applies To: Windows Server 2008, Windows Server 2012

This topic includes procedures for adding an attribute to the filtered attribute set (FAS) for a readonly domain controller (RODC) and marking the attribute as confidential data. You can perform these procedures to exclude specific data from replicating to RODCs in the forest. Because the data is not replicated to any RODCs, you can be assured that the data will not be revealed to an attacker who manages to successfully compromise an RODC. In most cases, adding an attribute to the RODC FAS is completed by the developer of the application that added the attribute to the schema.

- Determine and then modify the current searchFlags value of an attribute
- Verify that an attribute is added to the RODC FAS

- Determine and then modify the current searchFlags value of an attribute

To add an attribute to an RODC FAS, you must first determine the current searchFlags value of the attribute that you want to add, and then set the following values for searchflags:

- To add the attribute to the RODC FAS, set the 10th bit to 0x200.
- To mark the attribute as confidential, set the 7th bit to 0x080.

Reference: Adding Attributes to the RODC Filtered Attribute Set [http://technet.microsoft.com/en-us/library/cc754794\(v=ws.10\).aspx](http://technet.microsoft.com/en-us/library/cc754794(v=ws.10).aspx)

#### NEW QUESTION 16

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 21

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 23

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 client health policies with the following three features:

RADIUS server. NPS performs centralized authorization, authentication, 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 28

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	Nothwindtraders.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 29

You need to recommend a solution for the sales reports. What should you include in the recommendation?

- A. BranchCache in distributed cache mode
- B. Offline files
- C. BranchCache in hosted cache mode
- D. Distributed File System (DFS)

**Answer: D**

**Explanation:** DFS to increase the availability of data by storing the data on multiple servers. DFS could make the sales reports available, even if the WAN link is down.

\* Scenario: 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.

If a WAN link fails, users must be able to access ALL of the sales reports

Incorrect:

Not A, Not C: Branchcache (hosted or distributed) does not work when content server is not reachable (link down).

Not B: According to the scenario, the computers in the San Diego office are often replaced, so offline caching will not make the reports available all the time if WAN link goes down.

Reference: What Is DFS?

[https://technet.microsoft.com/en-us/library/cc779627\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc779627(v=ws.10).aspx)

### NEW QUESTION 31

#### HOTSPOT

On Server2, you create a Run As Account named Account1. Account1 is associated to an Active Directory account named VMMIPAM.

You need to implement an IPAM solution.

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

#### Answer Area

Server2:

Server3:

#### Answer Area

Server2:

Create a service.  
Create a user role.  
Add a network service.  
Create a logical network.  
Add an infrastructure server.

Server3:

Add VMMIPAM to IPAM Administrators.  
Add VMMIPAM to IPAM MSM Administrators.  
Add VMMIPAM to IPAM Users and WinRMRemoteWMIUsers\_.  
Add VMMIPAM to IPAM ASM Administrators and Remote Management Users.  
Add VMMIPAM to IPAM IP Audit Administrators and Network Configuration Operators.

**Answer:**

**Explanation:** Box 1: Add a network service

On the VMM server use the Add Network Service Wizard to setup a service, which runs with the newly created VMMIPAM account, and which connects to IPAM server on Server3. Box 2:

On the IPAM server add the new VMMIPAM account to the IPAM ASM Administrators and to the Remote Management Users groups. This ensures that the Network Service which is run with the VMMIPAM account has the required permissions to access the IPAM server.

Scenario:

Server2 is running System Center 2012 R2 Virtual Machine Manager (VMM) server. Server3 is running IPAM server.

#### NEW QUESTION 34

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:   
\*.northwindtraders.com  
App1.public.northwindtraders.com  
Server6.northwindtraders.com

Enhanced key usage:   
Client authentication  
Lifetime Signing  
Platform Certificate  
Server authentication

**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 37

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 38**

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 41**

You need to perform the directory synchronization with Office 365. What should you do first?

- A. Set the domain functional level to Windows Server 2012.
- B. Upgrade the Office 365 licenses to Enterprise E4.
- C. Set the forest functional level to Windows Server 2012.
- D. Create a site-to-site VPN.
- E. Install the DirSync utility in the on-premises environment.

**Answer:** E

**NEW QUESTION 46**

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

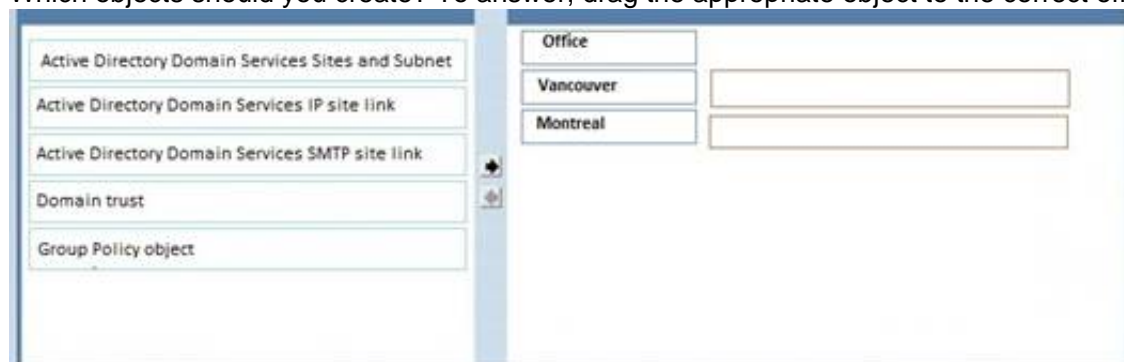
**Answer:** A

**NEW QUESTION 48**

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 Appl. 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 Appl. 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 Appl. To accommodate these plans, the size of the databale 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 CL0UD2 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 51

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 53

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 55

You need to plan the migration of App1. What should you do?



- A. Install App1 on drive
- B. Move all of the data that supports App1 to drive D.
- C. Expand the size of drive C Install App1 and all of the data that supports the app on drive C
- D. Install App1 on drive
- E. Move all of the data that supports App1 to an additional data drive.
- F. Install App1 on drive
- G. Move all of the data that supports App1 to an additional data drive.

Answer: C

NEW QUESTION 60

DRAG DROP

You need to configure DNS for the Dublin office.

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

On DC1, configure a replication scope for lab.contoso.com.

On DC2, change the DNS Zone type for lab.contoso.com to **Stub Zone**.

On DC3, unregister the DomainDnsZones application partition.

On DC1, change the DNS Zone type for lab.contoso.com to **Secondary Zone**.

Install a new domain controller named **DC3**.

On DC1, create a new DNS application partition.

Answer Area

Answer:

Explanation:

Actions

On DC1, configure a replication scope for lab.contoso.com.

On DC2, change the DNS Zone type for lab.contoso.com to **Stub Zone**.

On DC3, unregister the DomainDnsZones application partition.

On DC1, change the DNS Zone type for lab.contoso.com to **Secondary Zone**.

Install a new domain controller named **DC3**.

On DC1, create a new DNS application partition.

Answer Area

On DC1, create a new DNS application partition.

On DC1, configure a replication scope for lab.contoso.com.

On DC2, change the DNS Zone type for lab.contoso.com to **Stub Zone**.

NEW QUESTION 65

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-SVR05 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 66

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
<div> <div></div> <div>roomNumber</div> <div>Employee-Type</div> <div>Employee-Number</div> <div>departmentNumber</div> </div>	<div> <div></div> <div>searchFlags</div> <div>systemFlags</div> <div>systemOnly</div> <div>attributeSyntax</div> </div>	<div> <div></div> <div>0</div> <div>32</div> <div>64</div> <div>128</div> </div>

**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 70

DRAG DROP

You need to design the DNS zone for App1.

What should you do? To answer, drag the appropriate resource record to the correct DNS se Each resource record may be used once, more than once, or not at all. You may need to drag split bar between panes or scroll to view content.

### Resource Records

IPv4 Host (A)

IPv6 Host (AAAA)

Alias (CNAME)

Service Location (SRV)

Text (TXT)

### Answer Area

DNS Server	Resource Records
LA-DC01	Resource Record
NY-DC01	Resource Record

**Answer:**

**Explanation:** Box 1: Alias (CNAME)

Box 2: Service Location (SRV)

Scenario:

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

\* 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.

## NEW QUESTION 72

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 m 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 then 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 ukparnellaero.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 diviston. 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 domatn 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.parmellaero.com

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

Parnell plans to deploy an additional SCVMM server m the Flight Built environment.

Sales reports

Parnell Aerospace's sales organization uses a large number of slaes 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 sewers. 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 solld-state drives and standard hard-dusk 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 ls 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 then 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 74

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 79

HOTSPOT

You need to configure access to legacy systems.

How should you complete the relevant command? To answer, select the appropriate options in the answer area.

Hot Area:

Answer Area

mount [-o  ] \\UNIX1\Share1 (  )

anon

noexec

Fileaccess=703

Fileaccess=777

FileServe1 \*

FileServe1 C

UNIX11 \*

UNIX1 C

**Answer:**



**Explanation:** Answer should be : mount [-o nolock] \\unix1\share1 {unix1|\*}

#### NEW QUESTION 84

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 89

DRAG DROP

You need to configure the replication of user credentials for the Great Britain division. 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.

Select and Place:

Actions	Answer Area
Add the existing user accounts to the replication list and set the access level to deny.	
Launch the Active Directory Trusts and Domains applet by using Domain Admin credentials.	
Launch the Active Directory Users and Computers applet by using Domain Admin credentials.	
On GLA-DC, configure the LON-DC01 account.	
On LON-DC01, Configure the GLA-DC Account.	

**Answer:**

**Explanation:** It should be:

? Launch the active directory users and computers applet by using domain admin credentials

? Add the existing users to the replication list and set access level to deny.

? On GLA-DC, configure the LON-DC1 account.

Topic 9, Mix Questions

#### NEW QUESTION 93

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 95

You deploy an Active Directory domain named contoso.com to the network. The domain is configured as an Active Directory-integrated zone. All domain controllers run Windows Server 2012 and are DNS servers.  
You plan to deploy a child domain named operations.contoso.com.  
You need to recommend changes to the DNS infrastructure to ensure that users in the operations department can access the servers in the contoso.com domain.  
What should you include in the recommendation?

- A. A zone delegation for \_msdcs.contoso.com
- B. Changes to the replication scope of contoso.com
- C. Changes to the replication scope of \_msdcs.contoso.com
- D. Changes to the replication scope of operations.contoso.com

**Answer: B**

**Explanation:** The contoso.com resources must be available from the subdomain operations.contoso.com. The contoso.com replication scope must include operations.contoso.com.

Incorrect:

Not A: Zone delegation relates to which users can handle the administration of a subdomain, but the question is related to access of servers not of administration of a DNS zone.

Note: Zone delegation is transferring authority for a subdomain to a new zone. Typically, you use zone delegation when a business unit in an organization is large enough to warrant its own subdomain and has the personnel to manage its own DNS server for the subdomain.

Not C: Every Windows domain zone has an \_mcdcs subdomain, which holds all the SRV records for Microsoft-hosted services, such as the global catalog, LDAP, and Kerberos.

#### NEW QUESTION 99

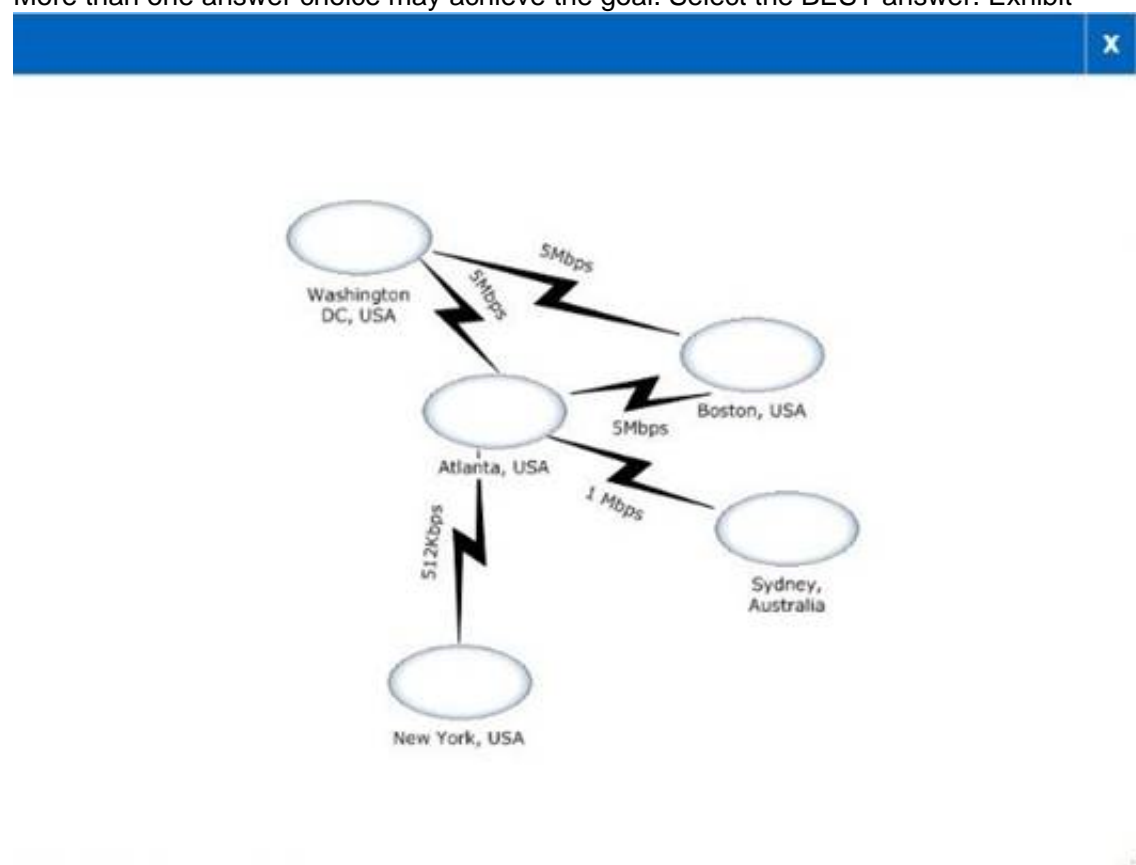
Your network contains an Active Directory domain named adatum.com.  
An administrator plans to delegate control of custom tasks on several organizational units (OUs).  
You need to ensure that the custom tasks appear in the list of tasks that can be delegated from the Delegation of Control Wizard.  
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 100

Your network contains an Active Directory domain named contoso.com. The physical topology of the network is configured as shown in the exhibit.  
Each office contains 500 employees.  
You plan to deploy several domain controllers to each office.  
You need to recommend a site topology for the planned deployment. What should you include in the recommendation?  
More than one answer choice may achieve the goal. Select the BEST answer. Exhibit



- A. Five sites and one site link
- B. Three sites and three site links
- C. One site
- D. Five sites and three site links

**Answer: D**

**Explanation:** Create a site for each LAN, or set of LANs, that are connected by a high speed backbone, and assign the site a name. Connectivity within the site must be reliable and always available.

This would mean 5 sites Site links are transitive, so if site A is connected to site B, and site B is connected to site C, then the KCC assumes that domain controllers in site A can communicate with domain controllers in site C. You only need to create a site link between site A and site C if there is in fact a distinct network

connection between those two sites. This would mean 3 sitelinks

So answer is "Five sites and three site links"

Reference: Defining Sites and Site Links <http://technet.microsoft.com/en-us/library/cc960573.aspx>

### 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 107

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 cluste
- 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

#### HOTSPOT

You plan to implement a virtualization solution to host 10 virtual machines. All of the virtual machines will be hosted on servers that run Windows Server 2012.

You need to identify which servers must be deployed for the planned virtualization solution. The solution must meet the following requirements:

- Minimize the number of servers.
- Ensure that live migration can be used between the hosts.

Which servers should you identify?

To answer, select the appropriate servers in the answer area.

Answer Area			
Option 1			
<b>Server name</b>	<b>Windows components</b>	<b>Server name</b>	<b>Windows Components</b>
Server1	Hyper-V server role	Server1	Hyper-V server role, Failover Clustering feature
Server2	Hyper-V server role	Server2	Hyper-V server role, Failover Clustering feature
		Server3	Hyper-V server role
Option 2			
Option 3			
<b>Server name</b>	<b>Windows components</b>	<b>Server name</b>	<b>Windows components</b>
Server1	Hyper-V server role	Server1	Hyper-V server role, Failover Clustering feature
Server2	Hyper-V server role	Server2	Hyper-V server role, Failover Clustering feature
Server3	File Server role service	Server3	iSCSI Target Server role service
Server4	Network Load Balancing feature		
Option 4			

**Answer:**

**Explanation:** Just two server with Hyper-V installed is enough to perform a Live Migration. (Minimize the number of servers)

#### NEW QUESTION 115

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: From the properties of the User certificate template, you assign the Allow - Enroll permission to the Authenticated Users group.

Does this meet the goal?

A. Yes

B. No

**Answer:** B

#### NEW QUESTION 116

DRAG DROP

Your network contains an Active Directory forest named corp.contoso.com. All servers run Windows Server 2012.

The network has a perimeter network that contains servers that are accessed from the Internet by using the contoso.com namespace.

The network contains four DNS servers. The servers are configured as shown in the following table.

Server name	Location	Function	DNS zone	Zone type
DC1	Internal network	Domain controller, DNS server	Corp.contoso.com	Active Directory- integrated
DC2	Internal network	Domain controller, DNS server	Corp.contoso.com	Active Directory- integrated
Server1	Perimeter network	DNS server	Contoso.com	Primary
Server2	Perimeter network	DNS server	Contoso.com	Secondary

All of the client computers on the perimeter network use Server1 and Server2 for name resolution.

You plan to add DNS servers to the corp.contoso.com domain.

You need to ensure that the client computers automatically use the additional name servers. The solution must ensure that only computers on the perimeter network can resolve names in the corp.contoso.com domain.

Which DNS configuration should you implement on Server1 and Server2?

To answer, drag the appropriate DNS configuration to the correct location in the answer area. Each DNS 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.

Configurations	Answer Area
a conditional forwarder	Server1 Configuration
a zone delegation	Server2 Configuration
a stub zone	
a subdomain	

**Answer:**

**Explanation:** \* stub zone

A Stub Zones allows an organization to resolve names to a private namespace or speed up name resolution to a public namespace without the use of Conditional Forwarders or Secondary Zones.

DNS Stub Zones in each domain will be configured to forward request for the other organization name space to a DNS server that is authoritative. All other names needing resolved will use the default name resolution method.



**NEW QUESTION 121**

Your Active Directory currently contains five virtualized domain controllers that run Windows Server 2012 R2.

The system state of each domain controller is backed up daily. The backups are shipped to a remote location weekly.

Your company recently implemented a disaster recovery site that contains several servers. The servers run Windows Server 2012 R2 and have the Hyper-V server role installed. The

disaster recovery site has a high-speed WAN link to the main office.

You need to create an Active Directory recovery plan that meets the following requirements:

? Restores the Active Directory if a catastrophe prevents all access to the main office.

? Minimizes data loss.

What should you include in the plan?

- A. Hyper-V replicas
- B. Live migration
- C. Virtual machine checkpoints
- D. System state restores

**Answer:** A

**NEW QUESTION 125**

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 129**

DRAG DROP

You manage a server named DA01 that has the DirectAccess feature configured. You deploy a new server named DA02. Both servers run Microsoft Windows Server 2012 R2.

You need to configure a Direct Access load-balanced cluster named WAP01 that contains servers DA01 and DA02.

How should you complete the relevant Windows PowerShell commands? To answer, drag the appropriate Windows PowerShell segment to the correct locations.

Each Windows PowerShell segment 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.

PowerShell Segments	Answer Area
NLB	Add-WindowsFeature [ ] -ComputerName DA01
DirectAccess-VPN, NLB	Add-WindowsFeature [ ] -ComputerName DA02
WAP01	Set-RemoteAccessLoadBalancer -ComputerName [ ]
DA01	-InternetVirtualIPAddress "192.168.3.50/255.255.255.0"
DA02	-InternetDedicatedIPAddress "192.168.3.102/255.255.255.0"
Failover-Clustering	Add-RemoteAccessLoadBalancerNode -ComputerName [ ]
DirectAccess-VPN, Failover-Clustering	-RemoteAccessServer [ ]

**Answer:**

**Explanation:** Box 1: Add-WindowsFeature –Name DirectAccess-VPN, NLB

We set up DA01 for Directaccess-VPN and for Network load balancing. Box 2: NLB

DA02 will be a node in the cluster so it needs NLB Box 3: WAP01

Set up the cluster named WAP01. Box 4: DA02

Box 5: DA01

DA02 is a node in the cluster, while DA01 is the DirectAccess server. We add the DA02 server to the load balanced cluster as node. The Add-RemoteAccessLoadBalancerNode cmdlet adds a server to the load balanced cluster. The server is added to the cluster to which the server on which the cmdlet is run, or to the server specified in the ComputerName parameter.

The –RemoteAccessServerParameter specifies a remote access server which should be added to the cluster. In this case DA01.

**NEW QUESTION 134**

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 136

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 141

DRAG DROP

Your network contains an Active Directory domain named contoso.com. The domain contains an IP Address Management (IPAM) server.

You plan to delegate the administration of IPAM as shown in the following table.

Department name	Requirement
Dept1	View IP address tracking information
Dept2	View IP address spaces
Dept3	Create an IP address block

You need to recommend which IPAM security group must be used for each department. The solution must minimize the number of permissions assigned to each group.

What should you recommend?

To answer, drag the appropriate group to the correct department in the answer area. Each group 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.

Groups	Answer Area	
IPAM ASM Administrators	Dept1	Group
IPAM IP Audit Administrators	Dept2	Group
IPAM MSM Administrators	Dept3	Group
IPAM Users		

**Answer:**

**Explanation:** Box 1:

IPAM IP Audit Administrators

Box 2:

IPAM Users

Box 3:

IPAM ASM Administrators

\* IPAM IP Audit Administrators: Members of this group have IPAM Users privileges and can perform IPAM common management tasks and can view IP address tracking information.

\* IPAM Users: Members of this group can view all information in server discovery, IP address space, and server management. They can view IPAM and DHCP server operational events, but cannot view IP address tracking information.

\* IPAM ASM Administrators: IPAM address space management (ASM) administrators have IPAM Users privileges and can perform IPAM common management tasks and IP address space tasks.

#### NEW QUESTION 146

##### DRAG DROP

Your network contains an Active Directory domain named contoso.com. The domain contains a server named Server1 that runs Windows Server 2008. Server1 is configured as an enterprise certification authority (CA).

You back up all of the data on Server1, and then export the private and public keys of the CA.

You plan to replace Server1 with a new member server that was purchased recently. You need to identify which actions must be performed on the new server to restore the certificate services of Server1.

Which three actions should you identify?

To answer, move the three appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Install the Active Directory Certificate Services server role.	
Run the AD CS Configuration wizard and import the private key.	
Run the AD CS Configuration wizard and import the public key.	
Restore the certificate services registry settings and the certificate services database.	

##### Answer:

**Explanation:** Box 1: We will need the Active Directory Certificate Services role to import the key, and later restore the certificate services database.

Box 2: Import the private key with the help of the AD CS Configuration Wizard.

The private key will be needed in the next step when you restore the certificate services registry settings and the certificate services database.

Box 3: Restore the certificate services registry settings and the certificate services database-

#### NEW QUESTION 150

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 153

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. Clustered NAS
- B. Cloud storage
- C. USB flash drive
- D. iSCSISAN
- E. Cloud Storage

**Answer:** D

#### NEW QUESTION 155

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 160

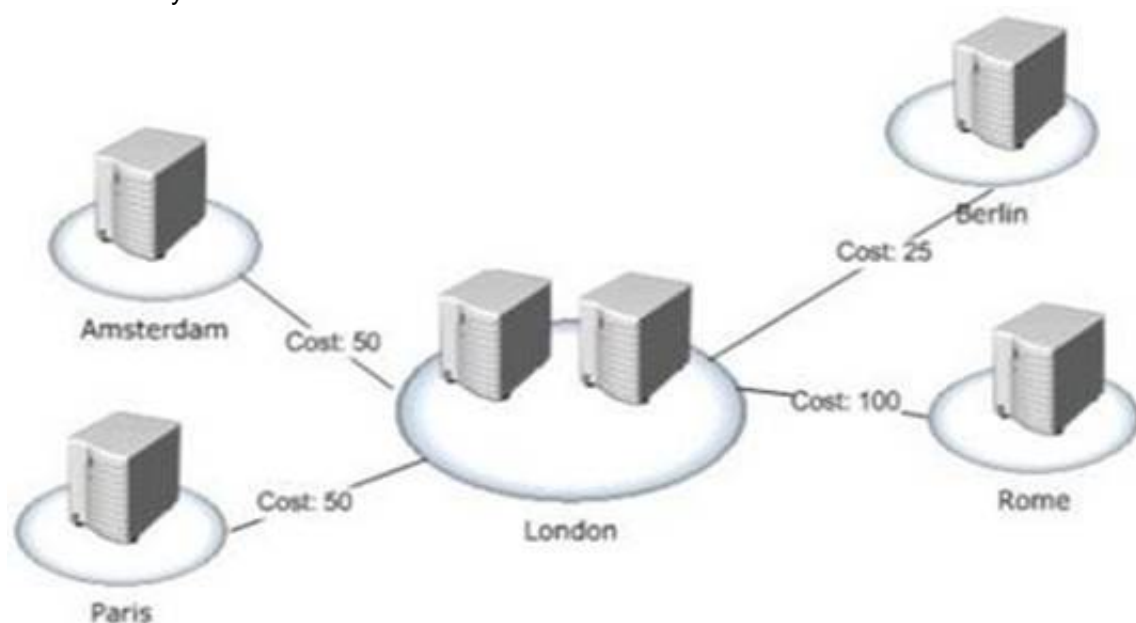
Your company has a main office and four branch offices. The main office is located in London.

The network contains an Active Directory domain named contoso.com. Each office contains one domain controller that runs Windows Server 2012. The Active Directory site topology is configured as shown in the exhibit. (Click the Exhibit button.)

You discover that when a domain controller in a branch office is offline for maintenance, users in that branch office are authenticated by using the domain controllers in any of the sites.

You need to recommend changes to Active Directory to ensure that when a domain controller in a branch office is offline, the users in that branch office are authenticated by the domain controllers in London.

What should you include in the recommendation? Exhibit



- A. Modify the DC Locator DNS Records settings.
- B. Disable site link bridging.
- C. Modify the site link costs.
- D. Modify the service location (SRV) records in DNS.

**Answer:** A

**Explanation:** If local DC (domain controller) is not available, DC Locator service will look for another DC in a different site.

Note: The following sequence describes how the Locator is able to find a domain controller (see step 3 below) :

1. On the client (the computer locating the domain controller), the Locator is initiated as an RPC to the local Net Logon service. The Locator application programming interface (API) (DsGetDcName) is implemented by the Net Logon service.
2. The client collects the information that is needed to select a domain controller and passes the information to the Net Logon service by using the DsGetDcName



API.

3. The Net Logon service on the client uses the collected information to look up a domain controller for the specified domain in one of two ways:

For a DNS name, Net Logon queries DNS by using the IP/DNS-compatible Locator — that

is, DsGetDcName calls the DnsQuery API to read the Service Resource (SRV) records and A records from DNS, after it appends an appropriate string to the front of the domain name that specifies the SRV record.

Etc.

Reference: Domain Controller Locator <https://technet.microsoft.com/en-us/library/cc961830.aspx>

#### NEW QUESTION 165

Your company has a main office and a branch office. The main office contains 2,000 users. The branch office contains 800 users. Each office contains three IP subnets.

The company plans to deploy an Active Directory forest.

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

? Ensure that the users are authenticated by using a domain controller in their respective office.

? Minimize the amount of Active Directory replication traffic between the offices.

Which Active Directory infrastructure should you recommend?

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

- A. Two domains and one site
- B. Two domains and two sites
- C. One domain and two sites
- D. One domain and six sites

**Answer: B**

**Explanation:** To minimize the amount of replication traffic, create 2 sites.

To ensure that users are authentication by using a local domain controller, use two domains.

Reference: Active Directory Replication Traffic <https://msdn.microsoft.com/en-us/library/bb742457.aspx>

#### NEW QUESTION 167

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 install a WDS Server. You apply the same configuration settings to each WDS Server. You configure Distributed File Server Replication (DFSR) to synchronize install images.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**Explanation:** DFS Replication is compatible with Remote Installation Services (RIS) and WDS.

Reference: DFS Replication: Frequently Asked Questions (FAQ) [https://technet.microsoft.com/en-us/library/cc773238\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc773238(v=ws.10).aspx)

#### NEW QUESTION 171

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 create a multicast deployment. You pre-stage the client images that you plan to deploy and point them to the local WDS server.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**Explanation:** On of the advantages of prestaging clients is the ability for multiple Windows Deployment Services servers to service the same network segment. You can do this by restricting the server to answer only a particular set of clients.

Reference: Prestaging Client Computers [https://technet.microsoft.com/en-us/library/cc770832\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc770832(v=ws.10).aspx)

#### NEW QUESTION 176

Your network contains an Active Directory domain named contoso.com. The domain contains a Microsoft System Center 2012 infrastructure.

You deploy a second System Center 2012 infrastructure in a test environment. You create a service template named Template1 in both System Center 2012 infrastructures.

For self-service users, you create a service offering for Template1. The users create 20 instances of Template1.

You modify Template1 in the test environment. You export the service template to a file named Template1.xml.

You need to ensure that the changes to Template1 can be applied to the existing instances in the production environment.

What should you do when you import the template?

- A. Overwrite the current service template.
- B. Change the name of the service template.
- C. Create a new service template.
- D. Change the release number of the service template.

**Answer: D**

**NEW QUESTION 177**

Your network contains an Active Directory domain named contoso.com. The domain contains servers that run either Windows Server 2008 R2 or Windows Server 2012.

All client computers on the internal network are joined to the domain. Some users establish VPN connections to the network by using Windows computers that do not belong to the domain.

All client computers receive IP addresses by using DHCP.

You need to recommend a Network Access Protection (NAP) enforcement method to meet the following requirements:

? Verify whether the client computers have up-to-date antivirus software.

? Provides a warning to users who have virus definitions that are out-of-date.

? Ensure that client computers that have out-of-date virus definitions can connect to the network.

Which NAP enforcement method should you recommend?

- A. DHCP
- B. IPSec
- C. VPN
- D. 802.1x

**Answer:** A

**Explanation:** NAP enforcement for DHCP

DHCP enforcement is deployed with a DHCP Network Access Protection (NAP) enforcement server component, a DHCP enforcement client component, and Network Policy Server (NPS).

Using DHCP enforcement, DHCP servers and NPS can enforce health policy when a computer attempts to lease or renew an IP version 4 (IPv4) address.

However, if client computers are configured with a static IP address or are otherwise configured to circumvent the use of DHCP, this enforcement method is not effective.

Note: The NAP health policy server can use a health requirement server to validate the health state of the NAP client or to determine the current version of software or updates that need to be installed on the NAP client.

Reference: NAP Enforcement for DHCP [http://technet.microsoft.com/en-us/library/cc733020\(v=ws.10\).aspx](http://technet.microsoft.com/en-us/library/cc733020(v=ws.10).aspx)

**NEW QUESTION 178**

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

You plan to migrate users between two Active Directory Domain Services domains in different forests.

You run the following command from an administrative command prompt:

```
Netdom trust  
<TrustingDomainName> /domain:<TrustedDomainName> /quarantine:No  
/usero:<domainadministrator> /passwordo:<domainadminpwd>
```

Assertion:

Users will have uninterrupted access to the resources in the source domain during the migration.

Reason:

The Netdom command configures a two-way trust between the source and target domains to ensure that users can access both environments for the entire length of the migration phase.

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:** The assertion is true as the /quarantine:No option is used any SID for authorization data that netdom trust returns during authentication is accepted. The reason is false as the /twoway parameter is not used. The /twoway parameter is to establish a two-way trust relationship rather than a one-way trust relationship.

Note: The Netdom trust command establishes, verifies, or resets a trust relationship between domains.

Reference: Netdom trust

<https://technet.microsoft.com/en-us/library/cc835085.aspx>

**NEW QUESTION 183**

Your network contains an Active Directory forest named adatum.com. All domain controllers run Windows Server 2008 R2. The functional level of the domain and the forest is Windows Server 2008.

You deploy a new Active Directory forest named contoso.com. All domain controllers run Windows Server 2012 R2. The functional level of the domain and the forest is Windows Server 2012 R2.

You establish a two-way, forest trust between the forests. Both networks contain member servers that run either Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2 or Windows Server 2008.

You plan to use the Active Directory Migration Tool 3.2 (ADMT 3.2) to migrate user accounts from adatum.com to contoso.com. SID history will be used in contoso.com and passwords will be migrated by using a Password Export Server (PES).

You need to recommend which changes must be implemented to support the planned migration.

Which two changes should you recommend? Each correct answer presents part of the solution.

- A. In the contoso.com forest, deploy a domain controller that runs Windows Server 2008 R2.
- B. In the adatum.com forest, upgrade the functional level of the forest and the domain.
- C. In the contoso.com forest, downgrade the functional level of the forest and the domain.

D. In the adatum.com forest, deploy a domain controller that runs Windows Server 2012 R2.

**Answer:** AC

#### NEW QUESTION 185

Your company is a hosting provider that provides cloud-based services to 20 customers. Each customer has its own Active Directory forest located in your company's datacenter.

You plan to provide VPN services to each customer. The VPN solution will use RADIUS for authentication, authorization, and accounting services.

You need to recommend a solution to forward authentication, authorization, and accounting messages from the perimeter network to the Active Directory forest of each customer.

What should you recommend?

- A. One VPN server, 20 RADIUS Proxies and 20 RADIUS servers.
- B. 20 VPN servers, one RADIUS proxy, 20 RADIUS servers.
- C. one VPN server, one RADIUS proxy and 20 RADIUS servers.
- D. one VPN server, one RADIUS proxy and one RADIUS server.

**Answer:** C

#### NEW QUESTION 187

Your network contains an Active Directory domain named contoso.com. The functional level of the domain and the forest is Windows Server 2008 R2.

All domain controllers run Windows Server 2008 R2.

You plan to deploy a new line-of-business application named App1 that uses claims-based authentication.

You need to recommend changes to the network to ensure that Active Directory can provide claims for App1.

What should you include in the recommendation? (Each correct answer presents part of the solution. Choose all that apply.)

- A. From the properties of the computer accounts of the domain controllers, enable Kerberos constrained delegation.
- B. From the Default Domain Controllers Policy, enable the Support for Dynamic Access Control and Kerberos armoring setting.
- C. Deploy Active Directory Lightweight Directory Services (AD LDS).
- D. Raise the domain functional level to Windows Server 2012.
- E. Add domain controllers that run Windows Server 2012.

**Answer:** BE

**Explanation:** E: You must perform several steps to enable claims in Server 2012 AD. First, you must upgrade the forest schema to Server 2012. You can do so manually through Adprep, but Microsoft strongly recommends that you add the AD DS role to a new Server 2012 server or upgrade an existing DC to Server 2012.

B: Once AD can support claims, you must enable them through Group Policy:

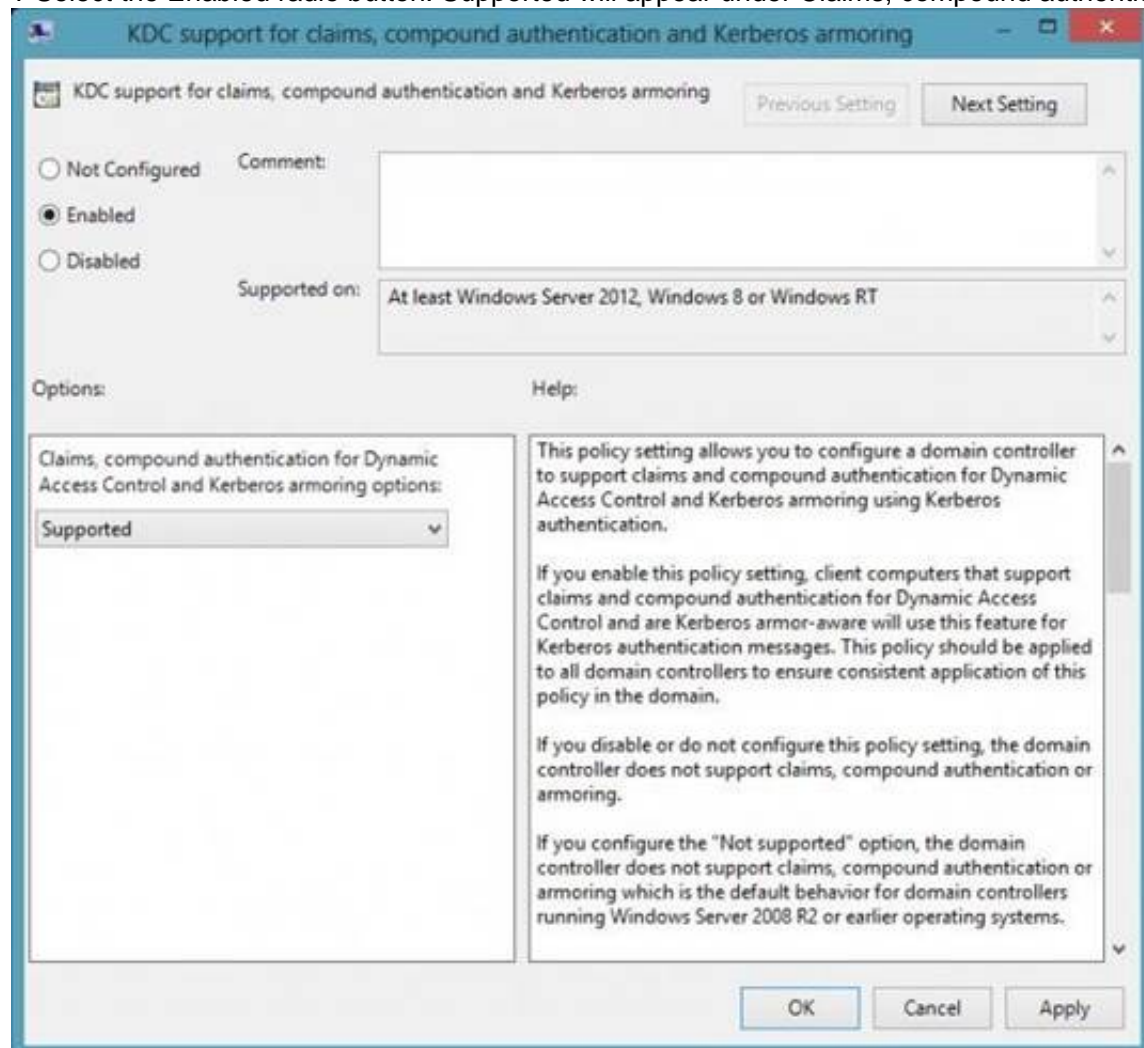
? From the Start screen on a system with AD admin rights, open Group Policy Management and select the Domain Controllers Organizational Unit (OU) in the domain in which you wish to enable claims.

? Right-click the Default Domain Controllers Policy and select Edit.

? In the Editor window, drill down to Computer Configuration, Policies, Administrative Templates, System, and KDC (Key Distribution Center).

? Open KDC support for claims, compound authentication, and Kerberos armoring.

? Select the Enabled radio button. Supported will appear under Claims, compound authentication for Dynamic Access Control and Kerberos armoring options



Reference: Enable Claims Support in Windows Server 2012 Active Directory <http://windowsitpro.com/windows-server-2012/enable-claims-support-windows-server-2012-active-directory>

#### NEW QUESTION 192



Your network contains an Active Directory forest named contoso.com. The forest contains a single domain and two sites named Montreal and Vancouver. Montreal contains an IP Address Management (IPAM) server named Server1 that is used to manage all of the DHCP servers and the DNS servers in the site. Vancouver contains several DHCP servers and several DNS servers. In Vancouver, you install the IP Address Management (IPAM) server named Server2. You need to recommend which configurations must be performed to ensure that the DHCP servers and the DNS servers in Vancouver are managed by Server2. What should you recommend?

- A. Replicate the IPAM database from Server1 to Server2. On Server2, change the manageability status of the DNS servers and the DHCP servers in Vancouver.
- B. Replicate the IPAM database from Server1 to Server2. On Server1, change the manageability status of the DNS servers and the DHCP servers in Vancouver.
- C. From Server2, run the Invoke-IpamGpoProvisioning cmdlet. On Server2, change the manageability status of the DNS servers and the DHCP servers in Vancouver.
- D. From Server1, run the Invoke-IpamGpoProvisioning cmdlet.
- E. On Server1, change the manageability status of the DNS servers and the DHCP servers in Vancouver.

**Answer: C**

**Explanation:** 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 IPAM server.

Reference: Invoke-IpamGpoProvisioning [https://technet.microsoft.com/en-us/library/jj553805\(v=wps.630\).aspx](https://technet.microsoft.com/en-us/library/jj553805(v=wps.630).aspx)

## NEW QUESTION 193

### HOTSPOT

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

The forest contains a DHCP server named Server1 and a DNS server named Server2. You need to recommend a solution to ensure that any computers that are neither members

of contoso.com nor fabrikam.com receive a DNS suffix of guest.fabrikam.com.

What two commands should you run? To answer, select the appropriate options in the answer area.

**Answer Area**

-Name ForeignDevices
-Condition OR

-Fqdn EQ, \*.Fabrikam.com, \*.contoso.com
-Fqdn NE, \*.Fabrikam.com, \*.contoso.com

-ComputerName Server1.fabrikam.com
-ComputerName Server2.fabrikam.com

-Multivalued True
-Multivalued True

-PolicyName guest.fabrikam.com
-PolicyName ForeignDevices

-PolicyName ForeignDevices

**Answer:**

**Explanation:** Box 1: Add-DhcpServerv4Policy

Box 2: Fqdn NE, \*.Fabrikam.com, \*.contoso.com Example:

This example creates a server level policy for all foreign clients that are not members of the local domain contoso.com. The policy matches clients that have an FQDN that does not contain the value contoso.com.

Windows PowerShell

PS C:\> Add-DhcpServerv4Policy -Name ForeignDevices -Condition OR -Fqdn NE, \*.contoso.com

Box 3: Set-DhcpServerv4DnsSetting

Box 4: -ComputerName Server2.fabrikam.com Box 5: -PolicyName ForeignDevices

Example: This example sets DNS update configuration settings for the server policy ForeignDevices to enable DNS registration of clients under the DNS suffix guestdomain.com. The command specifies the computer, named dhcpserver.contoso.com, that runs the DHCP server service.

Windows PowerShellPS C:\> Set-DhcpServerv4DnsSetting -ComputerName dhcpserver.contoso.com -DnsSuffix guestdomain.com -PolicyName ForeignDevices

Note: Add-DHCPServerv4Policy

The Add-DhcpServerv4Policy cmdlet adds a new policy either at the server level or at the scope level. The policy name must be unique at the level, either server or specific scope, where the policy is added and should have at least one condition as specified by the CircuitId, ClientId, Fqdn, MACAddress, RelayAgent, RemoteId, SubscriberId, UserClass, or VendorClass parameter.

## NEW QUESTION 195

You have a virtual machine (VM) named VM-APP1 that hosts critical application named APP1. The VM has the following VHDX virtual disks:

Name	Size	Format	Purpose
Disk1	100 GB	NTFS	System Disk
Disk2	2 TB	NTFS	Application Data

Both VHDX virtual disks are located on LUN1 of a Storage Area Network.

Every time you perform Storage Live Migration for VM-APP1, it takes a few hours.

You need to ensure that the storage supports Offloaded Data Transfer (ODX), and that ODX is enabled.

Which two Windows PowerShell commands should you run? Each correct answer presents part of the solution.

- A. Set-ItemProperty HKLM:\system\currentcontrolset\control\filesystem -Name "FilterSupportedFeaturesMode" -Value 0
- B. Set-StorageSubSystem -InputObject (Get-StorageSubSystem) -ThrottleLimit 0
- C. Get-ItemProperty HKLM:\system\currentcontrolset\services\<FilterName> -Name "SupportedFeatures"
- D. Set-ItemProperty HKLM:\system\currentcontrolset\control\filesystem -Name "FilterSupportedFeaturesMode" -Value 1



**Answer:** AC

**Explanation:** C: To use ODX, validate all the file system filter drivers on all servers that are hosting the storage support ODX. To validate the opt-in status of file system filter drivers, use the type the following command for each filter driver:  
Get-ItemProperty hklm:\system\currentcontrolset\services\<FilterName> -Name "SupportedFeatures"  
A: To enable ODX support, type the following command:  
Set-ItemProperty hklm:\system\currentcontrolset\control\filesystem -Name "FilterSupportedFeaturesMode" -Value 0  
Reference: Deploy Windows Offloaded Data Transfers <https://technet.microsoft.com/en-us/library/jj200627.aspx>

#### NEW QUESTION 197

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 200

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 203

Your network contains an Active Directory forest. The forest contains two Active Directory domains named contoso.com and child.contoso.com. The forest functional level is Windows Server 2003. The functional level of both domains is Windows Server 2008. The forest contains three domain controllers. The domain controllers are configured as shown in the following table.

Domain controller name	Domain	Operations master role
DC1	Contoso.com	Schema master Domain naming master
DC2	Contoso.com	PDC emulator Infrastructure master RID master
DC3	Child.contoso.com	PDC emulator Infrastructure master RID master

DC1 and DC2 have the DNS Server server role installed and are authoritative for both contoso.com and child.contoso.com. The child.contoso.com domain contains a server named server1.child.contoso.com that runs Windows Server 2012. You plan to deploy server1.child.contoso.com as a read-only domain controller (RODC). You run the adprep.exe /rodcprep command on DC3 and receive the following error

message:

```
"Adprep could not contact a replica for partition DC=DomainDnsZones,DC=Contoso,DC=com
Adprep failed the operation on partition DC=DomainDnsZones,DC=Contoso,DC=com Skipping to next partition.

Adprep could not contact a replica for partition DC=ForestDnsZones,DC=Contoso,DC=com
Adprep encountered an LDAP error. Error code: 0x0. Server extended error code: 0x0. Server error message: (null).

Adprep failed the operation on partition DC=ForestDnsZones,DC=Contoso,DC=com Skipping to next partition.

Adprep completed with errors. Not all partitions are updated."
```

You need to identify what prevents you from successfully running Adprep /rodcprep on DC3.  
What should you identify?

- A. The domain functional level of child.contoso.com is set to the wrong level.
- B. DC3 cannot connect to the infrastructure master on DC2.
- C. DC3 cannot connect to the domain naming master on DC1.
- D. The forest functional level is set to the wrong level.

**Answer:** B

**Explanation:** Adprep could not contact a replica...

This problem occurs when the Adprep /rodcprep command tries to contact the infrastructure master for each application partition in the forest.

Reference: Error message when you run the "Adprep /rodcprep" command in Windows Server 2008: "Adprep could not contact a replica for partition DC=DomainDnsZones,DC=Contoso,DC=com"  
<https://support.microsoft.com/en-us/kb/949257>

#### NEW QUESTION 206

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 210

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 Dsmod command
- B. the Ldifde command
- C. the Enable-ADOptionalFeaturecmdlet
- D. the Csvde command

**Answer:** B

**Explanation:** Ldifde

Creates, modifies, and deletes directory objects. You can also use Ldifde 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.

Ldifde -I <LDAPAttributeList>

Sets the list of attributes to return in the results of an export query. If you do not specify this parameter, the search returns all attributes.

Incorrect: Not C:

Optional feature: A non-default behavior that modifies the Active Directory state model.

#### NEW QUESTION 212

Your network contains an Active Directory domain named contoso.com. All client computers run either Windows 7 or Windows 8.

Some users work from customer locations, hotels, and remote sites. The remote sites often have firewalls that limit connectivity to the Internet.

You need to recommend a VPN solution for the users. Which protocol should you include in the recommendation?

- A. PPTP

- B. SSTP  
C. IKEv2  
D. L2TP/IPSec

**Answer:** B

**Explanation:** 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 except for authenticated web proxies.

Reference: [https://en.wikipedia.org/wiki/Secure\\_Socket\\_Tunneling\\_Protocol](https://en.wikipedia.org/wiki/Secure_Socket_Tunneling_Protocol)

#### NEW QUESTION 213

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 217

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

You plan to deploy 200 new physical servers during the next 12 months by using Windows Deployment Services (WDS). You identify four server builds for the 200 servers as shown

in the following table.

Build name	Configuration
File Servers	<ul style="list-style-type: none"><li>Full Installation of Windows Server 2012</li><li>Distributed File System role service</li></ul>
	<ul style="list-style-type: none"><li>Server Core Installation of Windows Server 2012</li><li>Web Servers (IIS) server role</li></ul>
Domain Controllers	<ul style="list-style-type: none"><li>Full Installation of Windows Server 2012</li><li>DNS Server server role</li></ul>
Networking Servers	<ul style="list-style-type: none"><li>Server Core Installation of Windows Server 2012</li><li>DHCP Server server role</li><li>WINS Server server role</li></ul>

You need to recommend the minimum number of images that must be created for the planned deployment.

How many images should you recommend?

- A. 1  
B. 2  
C. 3  
D. 4

**Answer:** A

**Explanation:** Only one image is required. You can convert Core mode Windows Server 2012 to a Full (GUI) Windows Server 2012 with powershell through:

Install-WindowsFeature Server-Gui-Mgmt-Infra,Server-Gui-Shell -Restart

#### NEW QUESTION 218

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 220

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 225

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 226

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 231

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 enable force tunneling. Does this meet the goal?



- A. Yes
- B. No

**Answer:** A

**Explanation:** DirectAccess allows connectivity to organizational network resources without the need for traditional virtual private network (VPN) connections. DirectAccess allows remote users to securely access internal network file shares, Web sites, and applications without connecting to a virtual private network (VPN). An internal network is also known as a private network or intranet. DirectAccess establishes bi- directional connectivity with an internal network every time a DirectAccess-enabled computer connects to the Internet, even before the user logs on. Users never have to think about connecting to the internal network and IT administrators can manage remote computers outside the office, even when the computers are not connected to the VPN.  
Reference: DirectAccess Overview <https://technet.microsoft.com/en-us/library/dd759144.aspx>

#### NEW QUESTION 233

Your network contains an Active Directory domain. The domain contains 10 file servers. The file servers connect to a Fibre Channel SAN. You plan to implement 20 Hyper-V hosts in a failover cluster.

The Hyper-V hosts will not have host bus adapters (HBAs).

You need to recommend a solution for the planned implementation that meets the following requirements:

? The virtual machines must support live migration.

? The virtual hard disks (VHDs) must be stored on the file servers.

Which two technologies achieve the goal? Each correct answer presents a complete solution.

- A. Cluster Shared Volume (CSV)
- B. An NFS share
- C. Storage pools
- D. SMB 3.0 shares

**Answer:** CD

#### NEW QUESTION 237

Your network contains an Active Directory domain named contoso.com. The domain contains an organizational unit (OU) named OU1.

You have a Group Policy object (GPO) named GPO1 that is linked to contoso.com. GPO1 contains custom security settings.

You need to design a Group Policy strategy to meet the following requirements:

? The security settings in GPO1 must be applied to all client computers.

? Only GPO1 and other GPOs that are linked to OU1 must be applied to the client computers in OU1.

What should you include in the design?

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

- A. Enable the Block Inheritance option at the domain level
- B. Enable the Enforced option on GPO1.
- C. Enable the Block Inheritance option on OU1. Link GPO1 to OU1.
- D. Enable the Block Inheritance option on OU1. Enable the Enforced option on all of the GPOs linked to OU1.
- E. Enable the Block Inheritance option on OU1. Enable the Enforced option on GPO1.

**Answer:** D

**Explanation:** \* You can block inheritance for a domain or organizational unit. Blocking inheritance prevents Group Policy objects (GPOs) that are linked to higher sites, domains, or organizational units from being automatically inherited by the child-level.

\* GPO links that are enforced cannot be blocked from the parent container.

#### NEW QUESTION 241

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