

- **Vendor: Microsoft**
- **Exam Code: 70-980**
- **Exam Name: Recertification for MCSE: Server Infrastructure**
  - **Part A**
  - **Question 151 – Question 200**

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**QUESTION 151**

Hotspot Question

You run the Ldifde command and receive the following output:

```
C:\Users\Admin1> ldifde -f Export.ldif -d "CN=Schema,CN=Configuration,DC=contoso,DC=com"
Connecting to "Server01.contoso.com"
Logging in as current user using SSPI
Exporting directory to file Export.ldif
Searching for entries...
Writing out entries.....
1739 entries exported
```

The command completes successfully.

Use the drop-down menus to select the answer choice that completes each statement.

**Answer Area**

The Active Directory [answer choice] was exported from the contoso.com domain.

configuration
default naming context
rootDSE
schema

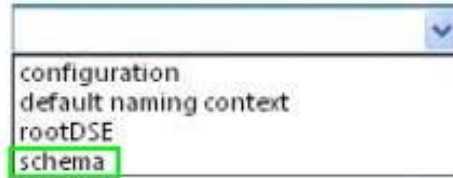
At a minimum, the user who performed the operation is a member of [answer choice]

Domain Admins.
Domain Users.
Enterprise Admins.
Schema Admins.

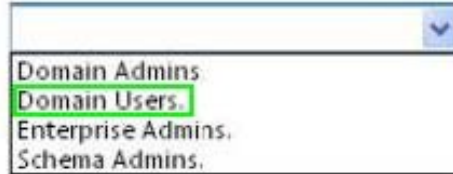
**Answer:**

### Answer Area

The Active Directory [answer choice] was exported from the contoso.com domain.



At a minimum, the user who performed the operation is a member of [answer choice]



### QUESTION 152

You're deploying Windows Server 2012 using WDS and have multiple locations that need an image, so you need to configure a multisite topology.

Which of the following steps is key when working with a multisite topology?

- A. Configuring boot order so that the correct deployment server is chosen
- B. Prestaging the client within WDS on the correct server
- C. Configuring the correct image for the location chosen
- D. Using multicast to ensure the most effective use of bandwidth

**Answer: B**

**Explanation:**

<http://www.techveze.com/configuring-multisite-topology-distribution-points/>

### QUESTION 153

When creating a Scheduled Cast multicast deployment, with which of the following methods can you begin deployment?

- A. At a future time and/or when a threshold of clients request an image
- B. At a future time and/or when the server comes online
- C. Immediately or at a scheduled time
- D. When the client threshold is set to met or daily

**Answer: A**

**Explanation:**

[https://technet.microsoft.com/en-us/library/dd637994\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/dd637994(v=ws.10).aspx)

### QUESTION 154

You're configuring a split-scope DHCP scenario between two servers.

What's the recommended percentage for a DHCP split scope configuration?

- A. 60/40
- B. 70/30
- C. 80/20
- D. 50/50

**Answer: C**

**QUESTION 155**

You need to move the DHCP database. Assuming a standard Windows directory and Program Files path structure and that you've changed the path in the DHCP Manager, what's the default path where the DHCP database is found?

- A. C:\Windows\system32\dhcp
- B. C:\Program Files\Microsoft\DHCP\Data
- C. C:\Windows\system32\DHCP\Data
- D. HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\DHCP

**Answer: A**

**QUESTION 156**

While implementing split scope, you notice that the secondary server is responding to numerous DHCP requests first.

What's the best way to handle this situation?

- A. Increase the split ratio so that the secondary server has more IP addresses from the scope.
- B. Introduce a delay for DHCP offers from the secondary using the DHCP management console.
- C. Reduce the load on the primary server so that it can respond faster.
- D. Place the secondary DHCP server on a different network segment to introduce a delay in the response.

**Answer: B**

**QUESTION 157**

You need to grant access for viewing audit information within IPAM.

To which group should you add a user to, to grant that user the minimum level of permission for this task?

- A. IPAM Users
- B. IPAM IP Address Audit Admins
- C. IPAM Administrators
- D. IPAM IP Audit Administrators

**Answer: D**

**QUESTION 158**

When provisioning IPAM servers using GPOs, servers are discovered.

After configuring them to be managed in IPAM, what command do you need to run on the server to be managed?

- A. Invoke-IpamAudit /server <ipam-servername> /domain
- B. gpupdate /reset
- C. Invoke-IpamAudit /server <ipam-servername> /configure
- D. gpupdate /force

**Answer: D**

**QUESTION 159**

Your network contains an Active Directory domain named contoso.com. The domain contains 10 sites. The sites are located in different cities and connect to each other by using low-latency WAN links. In each site, you plan to implement Microsoft System Center 2012 Configuration Manager and to deploy multiple servers. You need to recommend which Configuration Manager component must be deployed to each site 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. A management point
- B. A software update point
- C. A distribution group point
- D. A secondary site server that has all of the Configuration Manager roles installed

**Answer: C**

**Explanation:**

<http://technet.microsoft.com/en-us/library/hh427335.aspx>

Distribution point groups provide a logical grouping of distribution points and collections for content distribution.

A Distribution point group is not limited to distribution points from a single site, and can contain one or more distribution points from any site in the hierarchy. When you distribute content to a distribution point group, all distribution points that are members of the distribution point group receive the content.

#### QUESTION 160

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:**

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

**QUESTION 161**

Your network contains an Active Directory forest named contoso.com. The forest is managed by using Microsoft System Center 2012. You plan to create virtual machine templates to deploy servers by using the Virtual Machine Manager Self-service Portal (VMMSSP). To the Virtual Machine Manager (VMM) library, you add a VHD that has a generalized image of Windows Server 2012. You need to identify which VMM components must be associated with the image. Which components should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. A guest OS profile
- B. A hardware profile
- C. A capability profile
- D. A host profile

**Answer: AB**

**Explanation:**

<http://technet.microsoft.com/en-us/library/jj860424.aspx>  
Profiles

VMM provides the following profiles:

Hardware profile--A hardware profile defines hardware configuration settings such as CPU, memory, network adapters, a video adapter, a DVD drive, a floppy drive, COM ports, and the priority given the virtual machine when allocating resources on a virtual machine host.

Guest operating system profile--A guest operating system profile defines operating system configured settings which will be applied to a virtual machine created from the template. It defines common operating system settings such as the type of operating system, the computer name, administrator password, domain name, product key, and time zone, answer file and run once file.

NOTE: VMM also includes host profiles. Host profiles are not used for virtual machine creation. They are used during the conversion of a bare-metal computer to a Hyper-V host. (<http://technet.microsoft.com/en-us/library/hh368987.aspx>)

**QUESTION 162**

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.

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

What should you do?

- A. From an existing server, run the Microsoft Application Compatibility Toolkit (ACT).
- B. Install Windows Server 2012 on a new server, and then run the Windows Server Migration Tools.
- C. Install Windows Server 2012 on a new server, and then run Microsoft Deployment Toolkit (MDT) 2012.
- D. From an existing server, run the Microsoft Assessment and Planning (MAP) Toolkit.

**Answer: D**

**Explanation:**

<http://technet.microsoft.com/en-us/library/bb977556.aspx>

The Microsoft Assessment and Planning Toolkit (MAP) is an agentless, automated, multi-product planning and assessment tool for quicker and easier desktop, server and cloud migrations. MAP provides detailed readiness assessment reports and executive proposals with extensive hardware and software information, and actionable recommendations to help organizations accelerate their IT infrastructure planning process, and gather more detail on assets that reside within their current environment. MAP also provides server utilization data for Hyper-V server virtualization planning; identifying server placements, and performing virtualization candidate assessments, including ROI analysis for server consolidation with Hyper-V.

The latest version of the MAP Toolkit adds new scenarios to help you plan your IT future while supporting your current business needs. Included scenarios help you to:

Plan your deployment of Windows 8 and Windows Server 2012 with hardware and infrastructure readiness assessments

Assess your environment for Office 2013

Plan your migration to Windows Azure Virtual Machines

Track Lync Enterprise/Plus usage

Size your desktop virtualization needs for both Virtual Desktop Infrastructure (VDI) and session-based virtualization using Remote Desktop Services

Ready your information platform for the cloud with SQL Server 2012

Virtualize your existing Linux servers onto Hyper-V

Identify opportunities to lower your virtualization costs with Hyper-V using the VMware migration assessment

MAP is just one of the tools provided by the Microsoft Solution Accelerators team. The Microsoft Assessment and Planning Toolkit, Microsoft Deployment Toolkit, and Security Compliance Manager provide tested guidance and automated tools to help organizations plan, securely deploy, and manage new Microsoft technologies--easier, faster, and at less cost. All are freely available, and fully-supported by Microsoft.

### **QUESTION 163**

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. Add custom drivers to the images used for the deployment.



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

**Answer:** ABC

**Explanation:**

<http://technet.microsoft.com/en-us/library/hh824838.aspx>

## Case Study 5 - Alpine Ski (Question 164 - Question 169)

### Overview

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

An additional sales office is located in Los Angeles. This office has client devices only. All servers in each office run Windows Server 2012 R2. All client devices in each office run Windows 8.1.

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

### Danner and New York

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

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

### Vancouver and Montreal

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

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

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

## **Business Requirements**

### **Growth**

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

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

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

### **File Management**

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

### **Recovery time objective**

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

### **Office 365**

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

## **Technical Requirements**

### **Existing environment**

Users in the Montreal office of Alpine Ski House report slow times to log on to their devices. An administrator determines that users in the Montreal location occasionally authenticate to a domain controller with an IP address of 172.16.0.10/24. All authentication requests must first be attempted in the same location as the client device that is being authenticated.

### **Growth**

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

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

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

### **File management**

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

### **Acquisition**

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

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

### **Office 365**

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

## **QUESTION 164**

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**

**QUESTION 165**

You need to design a solution for the recovery-time objective.

Which two actions should you perform? Each correct answer presents part of the solution.

- A. Schedule a task to create a snapshot of the NTDS database before the existing backup job runs.
- B. Enable the KDC support for claims, compound authentication, and Kerberos armoring administrative template policy.
- C. Set the functional level for each domain to Windows Server 2012.
- D. Set the functional level of the forest to Windows Server 2008 R2.
- E. Enable the Active Directory Recycle Bin.

**Answer: DE**

**Explanation:**

The forest and domain functional levels are set to Windows Server 2008.

To enable the AD Recycle u must raise the Forest Functional Level to Windows Server 2008 R2.

[https://technet.microsoft.com/en-us/library/dd379484\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/dd379484(v=ws.10).aspx)

**QUESTION 166**

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**

**QUESTION 167**

You need to plan the expansion of the Los Angeles office.

What should you do?

- A. Install a read-only domain controller in Los Angeles.
- B. Install a domain controller in Los Angeles.
- C. Create and apply a filtered attribute set to the Los Angeles site.
- D. Create and apply a Group Policy object to the Los Angeles site.

**Answer: A**

**Explanation:**

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

**QUESTION 168**

Hotspot Question

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

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

**Answer Area**

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

**Answer:**

**Answer Area**

Action	
Install the Active Directory Migration Tool on server:	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <div style="display: flex; flex-direction: column; gap: 2px;"> <div style="border: 1px solid gray; padding: 2px;">ALP-CA01</div> <div style="border: 1px solid gray; padding: 2px; background-color: #e0ffe0;">ALP-DC01</div> <div style="border: 1px solid gray; padding: 2px;">ALP-DC02</div> <div style="border: 1px solid gray; padding: 2px;">ALP-DC03</div> <div style="border: 1px solid gray; padding: 2px;">ALP-DC04</div> </div> </div>
Specify the following user account option:	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <div style="display: flex; flex-direction: column; gap: 2px;"> <div style="border: 1px solid gray; padding: 2px;">Account is disabled</div> <div style="border: 1px solid gray; padding: 2px; background-color: #e0ffe0;">Password never expires</div> <div style="border: 1px solid gray; padding: 2px;">User cannot change password</div> <div style="border: 1px solid gray; padding: 2px;">Do not require Kerberos preauthentication</div> <div style="border: 1px solid gray; padding: 2px;">Store password using reversible encryption</div> <div style="border: 1px solid gray; padding: 2px;">User must change password at next logon</div> </div> </div>

**QUESTION 169**

Drag and Drop Question

You need to design the file management solution.

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

**Technologies**

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

**Answer Area**

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

**Answer:**

**Technologies**

- 
- 
- 

**Answer Area**

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

**Case Study 6 - Contoso Ltd., Case B (Question 170 - Question 175)**

**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 App1.

To accommodate these plans, the size of the database must be increased

**Sales Department**

Users in the sales department use laptop computers when they travel. Salespeople use a legacy application named ContosoSales on their laptop computers. Salespeople can use a pool of shared desktop computers in each office.

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

**Business Requirements**

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

**Software development department**

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

**Finance department**

All servers that host App1 must be migrated to Windows Azure.

A new Azure virtual machine (VM) named CLOUD2 must be deployed to Windows Azure.

**Sales department**

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

**Technical Requirements**

**App1 requirements**

You have the following requirements:

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

- The encryption keys for App1 should not be replicated to the offices where physical server security is not guaranteed.
- The amount of disk space that is used by Windows Azure must be minimized.

**Infrastructure requirements**

You have the following requirements:

- The lab.contoso.com DNS domain zone must not be replicated or transferred to DNS servers outside of the London office.
- A new DNS domain zone named research.contoso.com must be deployed for users in the research department.
- The research.contoso.com DNS domain zone must be protected by using DNS

Security Extensions {DNSSEC}.

- All computers in the London and Madrid offices must install Windows Updates from the server WSUS1.
- A new domain controller for the contoso.com domain must be deployed in the Madrid office.
- Replication traffic must be minimized when the new domain controllers are deployed.
- New WMI filters must not conflict with existing WMI filters.

**QUESTION 170**

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

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

**Answer: C**

**QUESTION 171**

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

**Answer: E**

**QUESTION 172**

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**

**QUESTION 173**

You need To configure the Group Policy for salespeople.

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

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**QUESTION 174**

Drag and Drop Question

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:**



**Actions**

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**.

**Answer Area**

On DC1, create a new DNS application partition.

On DC1, configure a replication scope for lab.con:oso.com.

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

**QUESTION 175**

Hotspot Question

You need to configure Windows Updates.

How should you complete the relevant Windows PowerShell commands? To answer, select the Windows PowerShell segments in the answer area.

**Answer Area**

**New-GPLink ^**

**-Name WSUSConfiguration ^**

**-Target**

DC3
DC=contoso, DC=com
OU=Dublin, DC=contoso, DC=com

**-Enforced**

Yes
No

**Set-GPInheritance ^**

**-Target**

DC3
DC=contoso, DC=com
OU=Dublin, DC=contoso, DC=com

**-IsBlocked**

Yes
No

**Answer:**

Answer Area	Answer Area
<p><b>New-GPLink</b> `</p> <p>-Name WSUSConfiguration `</p> <p>-Target</p> <div style="border: 1px solid gray; padding: 2px;"> <p>DC3</p> <p>DC=contoso, DC=com</p> <p>OU=Dublin, DC=contoso, DC=com</p> </div> <p>-Enforced</p> <div style="border: 1px solid gray; padding: 2px;"> <p>Yes</p> <p>No</p> </div>	<p><b>New-GPLink</b> `</p> <p>-Name WSUSConfiguration `</p> <p>-Target</p> <div style="border: 1px solid gray; padding: 2px;"> <p>DC3</p> <p>DC=contoso, DC=com</p> <p>OU=Dublin, DC=contoso, DC=com</p> </div> <p>-Enforced</p> <div style="border: 1px solid gray; padding: 2px;"> <p>Yes</p> <p>No</p> </div>
<p><b>Set-GPINheritance</b> `</p> <p>-Target</p> <div style="border: 1px solid gray; padding: 2px;"> <p>DC3</p> <p>DC=contoso, DC=com</p> <p>OU=Dublin, DC=contoso, DC=com</p> </div> <p>-IsBlocked</p> <div style="border: 1px solid gray; padding: 2px;"> <p>Yes</p> <p>No</p> </div>	<p><b>Set-GPINheritance</b> `</p> <p>-Target</p> <div style="border: 1px solid gray; padding: 2px;"> <p>DC3</p> <p>DC=contoso, DC=com</p> <p>OU=Dublin, DC=contoso, DC=com</p> </div> <p>-IsBlocked</p> <div style="border: 1px solid gray; padding: 2px;"> <p>Yes</p> <p>No</p> </div>

**Explanation:**

Review powershell cmdlet syntaxe.

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

New-Gplink -name WSUSConfiguration -target dc=contoso,dc=com -enforced No

<https://technet.microsoft.com/en-us/library/ee461061.aspx>

Set-Gpinheritance -target ou=Dublin,dc=contoso,dc=com -IsBlocked=yes

<https://technet.microsoft.com/en-us/library/ee461032.aspx>

**QUESTION 176**

A company has a line-of-business application named App1 that runs on an internal IIS server. App1 uses a SQL Server 2008 database that is hosted on the same server.

You move the database to a dedicated SQL Server named SQL1.

Users report that they can no longer access the application by using their domain credentials.

You need to ensure that users can access App1.

Solution: You configure App1 and SQL1 to use NTLM authentication.

Then you restart the IIS and SQL Server services.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

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

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

You can then map the Windows identity to a SQL Server database and permissions.

[https://msdn.microsoft.com/en-us/library/bsz5788z\(v=vs.100\).aspx](https://msdn.microsoft.com/en-us/library/bsz5788z(v=vs.100).aspx)

#### QUESTION 177

A company has a line-of-business application named App1 that runs on an internal IIS server. App1 uses a SQL Server 2008 database that is hosted on the same server.

You move the database to a dedicated SQL Server named SQL1.

Users report that they can no longer access the application by using their domain credentials.

You need to ensure that users can access App1.

Solution: You configure Kerberos-constrained delegation and then run the following command from an administrative command prompt:

```
setspn-a MSSQLSvc/SQL1:1433 <domain>\<sql_service>
```

Does this meet the goal?

A. Yes

B. No

**Answer: A**

**Explanation:**

For a default instance of SQL Server, listening on port 1433, the service principal name (SPN) format is as follows:

```
MSSQLSvc/serverxyz.your_domain.com:1433
```

```
MSSQLSvc/serverxyz:1433
```

Kerberos allows the use of delegation where the frontend service (for ex. Web App) can connect to a remote backend service (for ex. SQL Server) using the identity of the windows user who was authenticated to the frontend service. The user can authenticate to the frontend service using Kerberos and then the frontend service can authenticate using Kerberos to a backend service using the identity of the user.

<http://blogs.msdn.com/b/sqlupdates/archive/2014/12/05/sql-server-kerberos-and-spn-quick-reference.aspx>

#### QUESTION 178

You plan to simplify the organizational unit (OU) structure for a company.

You must consolidate all member servers in the domain to a single OU named MemberServers.

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

- Server operating systems: Windows Server 2012
- Server hardware platform: 64-bit
- Server memory: less than 16 GB of RAM

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

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

Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

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

Win32\_PhysicalMemory < 16000000000.

Note: The other criteria were OK:

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

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

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

<http://www.nogeekleftbehind.com/2013/09/10/updated-list-of-os-version-queries-for-wmi-filters/>

**QUESTION 179**

You plan to simplify the organizational unit (OU) structure for a company.

You must consolidate all member servers in the domain to a single OU named MemberServers.

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

- Server operating systems: Windows Server 2012
- Server hardware platform: 64-bit
- Server memory: less than 16 GB of RAM

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

```
select * from Win32_OperatingSystem where Version like  
"6.2%" and ProductType="3" and not OSArchitecture = "64-  
bit" WHERE Win32_PhysicalMemory < 16000000000
```

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Version and ProductType are both OK, see note below, but not OSArchitecture ="64-bit" is wrong. The not should be removed.

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

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

<http://www.nogeekleftbehind.com/2013/09/10/updated-list-of-os-version-queries-for-wmi-filters/>

**QUESTION 180**

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:**

One 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.

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

**QUESTION 181**

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**

**QUESTION 182**

A company has a single-forest and single Active Directory Domain Services domain named contoso.com. The company has offices in multiple geographic locations and manages all computing devices from a network operations center located at a main office.

You deploy physical servers and user devices by using a Windows Deployment Services (WDS) server named WDS1, and a server that runs System Center 2012 Virtual Machine Manager SP1 named VMM1.

Every three months you update the standard deployment images and push the update images to all client devices in the organization.

You use multicast deployments for the servers and client devices at the remote offices.

To automate the deployment process, you create an Auto-Cast multicast transmission and pre-stage client devices.

You need to ensure that client devices continue the deployment process after the first reboot and do not restart the installation.

What should you do?

- A. Run the following Windows PowerShell command:  
**Set-WdsClient -DeviceName -PxePromptPolicy OptIn**
- B. Run the following Windows PowerShell command:  
**New-WdsClient -DeviceID -PxePromptPolicy OptIn**
- C. Run the following command at an administrative command prompt:  
**wdsutil /set-server /server:WDS1 /AllowN12ForNewClients:No**
- D. Run the following command at an administrative command prompt:  
**wdsutil /set-server /wdsunattend /policy:enabled**



- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer: A**

**Explanation:**

The Set-WdsClient cmdlet modifies a pre-staged client device.

The parameter -PxePromptPolicy<PxePromptPolicy> specifies the prompt policy for this computer to boot in PXE. The acceptable values for this parameter are:

- Adopt
- NoPrompt
- OptIn
- OptOut

Wdsclient PxePromptPolicy

Incorrect:

Not B: The New-WdsClient cmdlet creates a pre-staged client, but here the pre-staged clients have already been created.

Not C: The computer must be configured to continue the boot process without user interaction (for example, by pressing F12).

The AllowN12ForNewClients option is regarding if the user must press F12. If we set this option to No, they user would be required to press the F12 key.

### **QUESTION 183**

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:**

DHCP failover clustering provides load balancing when you use multiple DHCP servers to distribute IP addresses to the network clients. Clients can renew their IP leases even if some of the DHCP servers become unavailable. DHCP failover clustering supports stateless and stateful IPv4 and IPv6 IP addresses, as well as DHCP policies and filtering.

**Reason:**

The cluster health monitoring mechanism ensures the fault tolerance of the DHCP service and all configured DHCP settings. It also protects the DHCP database from failures and corruptions.

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

**Answer: E**

**Explanation:**

\* The assertion is false.

DHCP failover cluster does not provide load balancing. It places the DHCP server in a cluster with an additional server configured with the DHCP service that assumes the load if the primary DHCP server fails.

\* The reason is false.

The cluster health monitoring mechanism is known as the cluster heartbeat. The heartbeat detects if a cluster node is down, but it does not help in protecting the DHCP database.

### QUESTION 184

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> /password:<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 for the Assertion.
- B. Both the Assertion and Reason are true, but the Reason is not the correct 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.

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

### QUESTION 185

A company has a single-forest and single Active Directory Domain Services (AD DS) domain named Fabrikam.com that runs Windows 2012 Server. The AD DS forest functional level and the domain functional level are both set to Windows 2008 R2.

You use IP Address Management (IPAM) as the IP management solution.

You have two DHCP Servers named DHCP1 and DHCP2, and one IPAM server named IPAM1. The company plans to acquire a company named Contoso, Ltd., which has a single-forest and

single- domain AD DS named contoso.com. The forest functional level and domain functional level of Contoso.com is set to Windows 2008. All servers at Contoso run Windows Server 2008. The IP management solution at Contoso is based on a single DHCP server named SERVER3.

Server name	Operating System	Total Disk Space
DHCP1	Windows 2012	30 GB
DCHP2	Windows 2012	30 GB
IPAM1	Windows 2012	30 GB
SERVER3	Windows 2008	30 GB

The total number of users in both companies will be 5000.

You have the following requirements:

- The solution must be able to allocate up to three IP addresses per user.
- All IP address leases must be renewed every two days.

You need to ensure that the corresponding servers will have enough capacity to store six years of IP utilization data and eight months of event catalog data.

What should you recommend?

- A. Add at least 20 GB of storage to the IPAM server.
- B. Migrate Contoso.com to Fabrikam.com.
- C. Establish a forest trust between Contoso.com and Fabrikam.com.
- D. Upgrade SERVER3 to Windows Server 2012.

**Answer: D**

**Explanation:**

You can use IPAM to manage DHCP servers running on Windows Server 2008 R2 and above. Here Server3 is running Windows 2008 however, so it needs to be upgraded.

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

#### **QUESTION 186**

You manage a server infrastructure for a software development company.

There are 30 physical servers distributed across 4 subnets, and one Microsoft Hyper-V cluster that can run up to 100 virtual machines (VMs).

You configure the servers to receive the IP address from a DHCP server named SERVER1 that runs Microsoft Windows Server 2012 R2.

You assign a 30-day duration to all DHCP leases.

Developers create VMs in the environment to test new software.

They may create VMs several times each week.

Developers report that some new VMs cannot acquire IP address.

You observe that the DHCP scope is full and delete non-existent devices manually.

All physical servers must keep their current DHCP lease configuration.

You need to ensure that the DHCP lease duration for VMs is 8 hours.

What should you configure?

- A. 4 server-level Allow filters
- B. 1 server-level DHCP policy
- C. 1 scope-level DHCP policy
- D. 4 scope-level exclusion ranges

**Answer: B**

**Explanation:**

We should use a server level DHCP policy as they apply to all DHCP clients.

Note: Policies can apply at the server level or the scope level. Server level policies are processed for all DHCP client requests received by the server. Scope level policies are processed only for DHCP client requests that apply to a specific scope.  
<https://technet.microsoft.com/en-us/library/dn425039.aspx>

**QUESTION 187**

Drag and Drop Question

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 <input type="text"/> -ComputerName DA01
DirectAccess-VPN, NLB	Add-WindowsFeature <input type="text"/> -ComputerName DA02
WAP01	Set-RemoteAccessLoadBalancer -ComputerName <input type="text"/>
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 <input type="text"/>
DirectAccess-VPN, Failover-Clustering	-RemoteAccessServer <input type="text"/>

**Answer:**

PowerShell Segments	Answer Area
NLB	Add-WindowsFeature <input type="text" value="NLB"/> -ComputerName DA01
DirectAccess-VPN, NLB	Add-WindowsFeature <input type="text" value="DirectAccess-VPN, NLB"/> -ComputerName DA02
WAP01	Set-RemoteAccessLoadBalancer -ComputerName <input type="text" value="DA01"/>
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 <input type="text" value="DA01"/>
DirectAccess-VPN, Failover-Clustering	-RemoteAccessServer <input type="text" value="DA02"/>

**Explanation:**

Direct Access is already installed and configured on DA01  
[https://technet.microsoft.com/en-us/library/jj134209.aspx#BKMK\\_NLB](https://technet.microsoft.com/en-us/library/jj134209.aspx#BKMK_NLB)  
 Add-WindowsFeature NLB -computername DA01 (Direct Access is already installed and configured on DA01, only NLB is required)  
 Add-WindowsFeature DirectAccess-VPN,NLB - computername DA02 (Direct Access uses NLB for load-balancing not Failover Clustering)  
 Set-RemoteAccessLoadBalancer -computername DA01 (-computername specifies the host name of the server which the cmdlet runs, server is added to the load balanced cluster)  
<https://technet.microsoft.com/en-us/library/hh918430.aspx>  
 -InternetVirtualIPAddress "192.168.3.50/255.255.255.0"  
 -InternetDedicatedIPAddress "192.168.3.102/255.255.255.0"  
 Add-RemoteAccessLoadBalancerNode -Computername DA01

-RemoteAccessServer DA02 (-computername specifies the host name of which the Remote Access server computer specific tasks should be run. -RemoteAccessServer adds the server to the load balanced cluster) [https://technet.microsoft.com/en-us/library/hh918413\(v=wps.630\).aspx](https://technet.microsoft.com/en-us/library/hh918413(v=wps.630).aspx)

## **Case Study 7 - Line-of-business applications (Question 188 - Question 193)**

### **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

**QUESTION 189**

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 Local Administrators local group on the SO/MM server.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**QUESTION 189**

A company has offices in multiple geographic locations.

The sites have high-latency, low- bandwidth connections.

You need to implement a multisite Windows Deployment Services (WDS) topology for deploying standard client device images to all sites.

Solution: At each site, you deploy a local WDS server that runs only the Transport role.

You configure local DHCP servers to direct local clients to the local WDS server.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**QUESTION 190**

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

**QUESTION 191**

You need to limit the amount of disk space that is used on the client devices.



Which Windows PowerShell cmdlet or cmdlets should you run?

- A. Add-BCDataCacheExtcnson
- B. Set-BCDataCacheEntryMaxAge
- C. Disable-BC and Enabl-BCLocal
- D. Set-BCCache
- E. Clear-BCCache

**Answer: D**

**Explanation:**

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.

**QUESTION 192**

You need to implement the Microsoft Azure migration plan. What should you do?

- A. On Microsoft Azure, install and configure System Center 2012 R2 Virtual Machine Manager.
- B. On an on-premises server, install and configure System Center 2012 R2 Service Manager.
- C. On an on-premises server, install and configure System Center 2012 R2 App Controller.
- D. On an on-premises server, install and configure Windows Deployment Services.
- E. On Microsoft Azure, install and configure System Center 2012 R2 Orchestrator.

**Answer: C**

**Explanation:**

\* Scenario: 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.

**QUESTION 193**

Hotspot Question

You need to protect the personal data of employees.

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

**Answer Area**

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

**Answer:**

**Answer Area**

User Property	Attributes	Value
<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">▼</div> <p>roomNumber</p> <p>Employee-Type</p> <p style="border: 1px solid green;">Employee-Number</p> <p>departmentNumber</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">▼</div> <p style="border: 1px solid green;">searchFlags</p> <p>systemFlags</p> <p>systemOnly</p> <p>attributeSyntax</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">▼</div> <p>0</p> <p>32</p> <p>64</p> <p style="border: 1px solid green;">128</p> </div>

**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.

**QUESTION 194**

Hotspot Question

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:**

**Resource Records**

- IPv4 Host (A)
- IPv6 Host (AAAA)
- Alias (CNAME)
- Service Location (SRV)
- Text (TXT)

**Answer Area**

DNS Server	Resource Records
LA-DC01	Alias (CNAME)
NY-DC01	Service Location (SRV)

**Explanation:**

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.

**QUESTION 195**

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

**Answer: D**

**Explanation:**

The system see the lun presented via the hba or iscsi as local disk, iSCSI boot-capable NICs use a firmware BIOS that allows them to be configured to establish a preboot connection to an iSCSI LUN.

**QUESTION 196**

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
```

<https://technet.microsoft.com/en-us/library/jj200627.aspx>

**QUESTION 197**

Drag and Drop Question

You manage an Active Directory Domain Services forest that contains a root domain named contoso.com and a child domain named branch.contoso.com.

You have three servers named SRV01, SRV02, and SRV03. All servers run Windows Server 2012 R2. SRV01 and SRV02 are domain controllers for the domain contoso.com. SRV03 is the domain controller for branch.contoso.com. User accounts and resources exist in both domains. All resources in branch.contoso.com are physically located in a remote branch office.

The remote branch office must be configured as Read-Only Domain Controller (RODC).

The solution must minimize the impact on users and the number of servers deployed in the branch office.

You need to configure the environment.

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

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

**Answer:**

**Actions**

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

**Answer Area**

- Use the Active Directory Migration Tool (ADMT) to migrate all resources from branch.contoso.com contoso.com
- Uninstall Active Directory Domain Services from SRV03.
- Install an RODC on SRV03

**Explanation:**

The solution must minimize impact on users, LDIFDE cannot migrate user passwords whereas ADMT with Password Export Server (PES) can.

**QUESTION 198**

Drag and Drop Question

You manage a server named WAP01 that has the Web Application Proxy feature deployed. You deploy a web application named WebApp1 to a server named WEB01. WAP01 and WEB01 both run Microsoft Windows Server 2012 R2 and are members of the Active Directory Domain Services (AD DS) domain named corp.contoso.com.

You have the following requirements:

- WebApp1 must be available internally at URL <https://webappl.corp.contoso.com> by using Kerberos authentication.
- WebApp1 must be available externally at URL <https://webappl.contoso.net> by using Active Directory Federation Services (AD FS) authentication.

You need to configure computer accounts.

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

- WEB01
- <http://webapp1.corp.contoso.com>
- WAP01
- <http://webapp1.corp.contoso.com>
- <http://webapp1.contoso.net>
- <http://webapp1.contoso.net>
- <https://webapp1.contoso.net>

**Answer Area**

- Set-ADComputer
- Add @{{servicePrincipalName "="  "}"}
- Set-ADComputer
- Add @{"msDS-AllowedToDelegateTo "="  "}"

**Answer:**



**PowerShell Segments**

WEB01

http://webapp1.corp.contoso.com

WAP01

http://webapp1.corp.contoso.com

http/webapp1.contoso.net

http://webapp1.contoso.net

https://webapp1.contoso.net

**Answer Area**

```
Set-ADComputer WEB01

-Add @{{servicePrincipalName "=" https://webapp1.contoso.net "}}

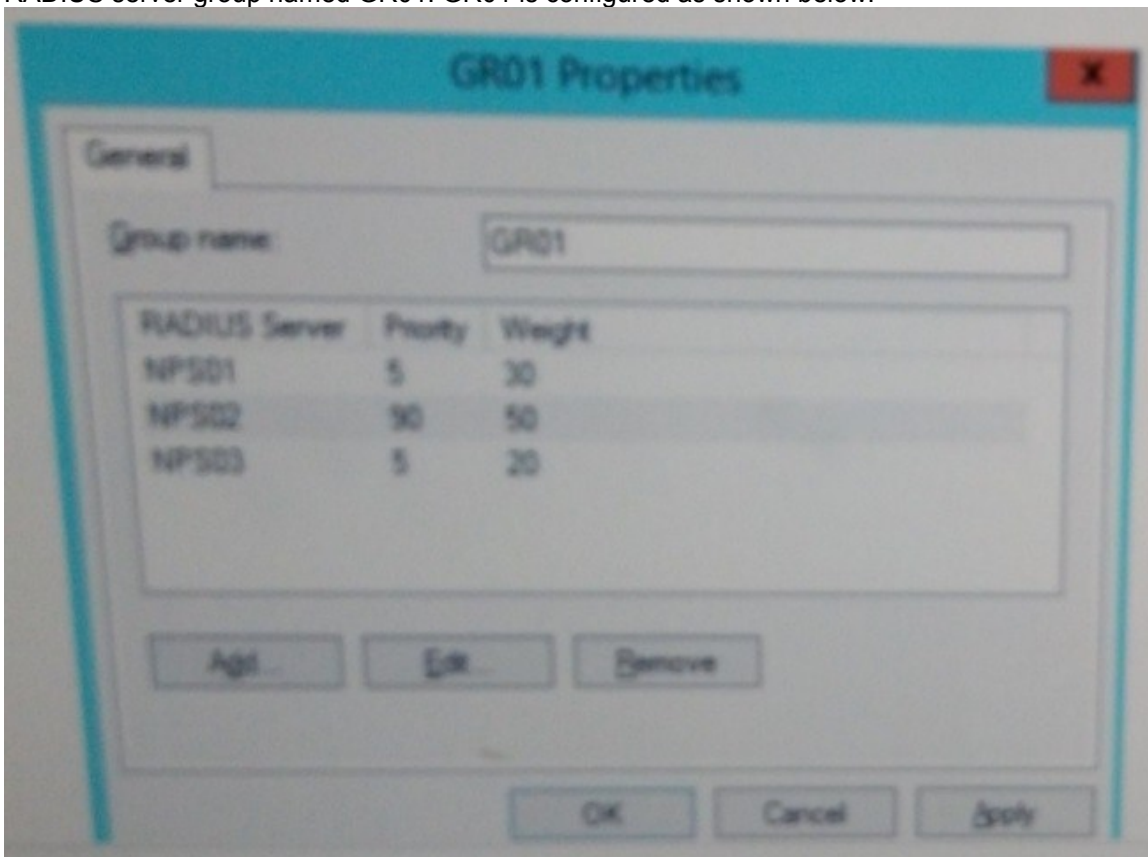
Set-ADComputer WAP01

-Add @{"msDS-AllowedToDelegateTo "=" WEB01 "}
```

**QUESTION 199**

Drag and Drop Question

You manage a Network Policy Server (NPS) infrastructure that contains four servers named NPSPRX01, NPS01, NPS02, and NPS03. All servers run Microsoft Windows Server 2012 R2. NPSPRX01 is configured as an NPS proxy. NPS01, NPS02, and NPS03 are members of a remote RADIUS server group named GR01. GR01 is configured as shown below:



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



view content.

**Actions**

**Answer Area**

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

**Answer:**

**Actions**

**Answer Area**

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

**Explanation:**

\* From the exhibit we have:

NPS01: weight 30, priority: 5

NPS02: weight 50, priority: 90

NPS03: weight 20, priority: 5

Box 3: If NPS03 is unavailable it cannot handle any requests.

Box 4: NPS04 is not mentioned in this question.

\* Priority. Priority specifies the order of importance of the RADIUS server to the NPS proxy server.

Priority level must be assigned a value that is an integer, such as 1, 2, or 3.

The lower the number, the higher priority the NPS proxy gives to the RADIUS server. For example, if the RADIUS server is assigned the highest priority of 1, the NPS proxy sends connection requests to the RADIUS server first; if servers with priority 1 are not available, NPS then sends connection requests to RADIUS servers with priority 2, and so on. You can assign the same priority to multiple RADIUS servers, and then use the Weight setting to load balance between them.

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

**QUESTION 200**

A company has a line-of-business application named App1 that runs on an internal IIS server. App1 uses a SQL Server 2008 database that is hosted on the same server.

You move the database to a dedicated SQL Server named SQL1. Users report that they can no longer access the application by using their domain credentials.

You have to ensure that users can access App1.

Solution: You configure Kerberos-constrained delegation and then run the following command from the administrative command prompt

```
setspn -a http/App1 <domain>\<app_service>
```

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

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