Microsoft 70-413 Exam

Volume: 206 Questions

Case Study: 1 Contoso Ltd Case A
Overview
Contoso, Ltd., is a healthcare company in Europe that has 2,000 users. The company is migrating to Windows Server 2012.
The company has two main offices and two branch offices. The main offices are located in Paris and Amsterdam. One of the branch offices is a sales office located in Berlin. The other branch office is a research office located in Brussels.
The offices connect to each other by using a WAN link.
Current Environment
Active Directory
The network contains an Active Directory forest named contoso.com. An Active Directory site exists for each office.
The forest contains a child domain named research.contoso.com.
The functional level of both the domains is Windows Server 2008.
In each site, there are two domain controllers for the contoso.com domain and two domain controllers for the research.contoso.com domain. The domain controllers run Windows Server 2008 R2.
All of the domain controllers are global catalog servers.
The FSMO roles were not moved since the domains were deployed.
Network Infrastructure
All servers run Windows Server 2008 R2.
Each user has a laptop computer that runs Windows 7.
The company has 10 print servers. Each print server contains several shared printers.
The company has 10 file servers that have the following disk configurations:
• A simple volume named C that is the System and Boot volume and is formatted NTFS
• A mounted virtual hard disk (VHD) named DATA that is formatted NTFS
• A simple volume named D that is formatted FAT32
• A simple volume named E that is formatted NTFS
• A Clustered Shared Volume (CSV)
The Paris office contains a server named PAI. The Amsterdam office contains a server named AMI.
Both servers have the following server roles installed:
• DNS Server
• DHCP Server
• Remote Access
The DNS servers are configured to use the DNS servers of the company's Internet Service Provider (ISP) as forwarders.
Users often work remotely. The users access the internal network by using an SSTP-based VPN connection.
Requirements
Planned Changes
The company plans to implement the following changes:

• Create a child domain named sales.contoso.com. Only the domain controllers in sales.contoso.com will host a zone for the sales.contoso.com domain. The domain controllers in sales.contoso.com will run Windows Server 2012. The client computers in sales.contoso.com will use the sales.contoso.com domain controllers as their DNS servers.

• Implement two servers in the Amsterdam office and two servers in the Paris office to replace PAI and AMI. These new servers will run Windows Server 2012 and will not have shared storage.

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

• Migrate the existing print queues to virtualized instances of Windows Server 2012.

• Migrate the file servers to new servers that run Windows Server 2012.

• Implement RADIUS authentication for VPN connections.

• Deploy Windows Server 2012 to all new servers.

Technical Requirements

The company identifies following technical requirements:

• All changes to Group Policies must be logged.

• Network Access Protection (NAP) policies must be managed centrally.

• Core networking services in each office must be redundant if a server fails.

• The possibility of IP address conflicts during the DHCP migration must be minimized.

• A central log of the IP address leases and the users associated to those leases must be created.

• All of the client computers must be able to resolve internal names and internet names.

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

• 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.

Question No: 1

You implement and authorize the new DHCP servers. You import the server configurations and the scope configurations from PAI and AMI.

You need to ensure that clients can obtain DHCP address assignments after you shut down PAI and AMI. The solution must meet the technical requirements.

What should you do?

A. Run the Get-DhcpServerv4Lease cmdlet and the Remove-DhcpServerv4Lease cmdlet. Run the Windows Server Migration Tools.

B. Run the Get-DhcpServerv4Lease cmdlet and the Add-DhcpServerv4Lease cmdlet. Activate the scopes.

C. Run the Get-DhcpServerv4FreeIPAddress cmdlet and the Invoke-DhcpServerv4FailoverReplication cmdlet. Run the Windows Server Migration Tools.

D. Run the Get-DhcpServerv4FreeIPAddress cmdlet and the Invoke-DhcpServerv4FailoverReplication

cmdlet Activate the scopes.

Answer: B

Question No: 2
You need to recommend a management solution for the GPOs. The solution must meet the technical requirements. What should you include in the recommendation?

A. Microsoft Baseline Security Analyzer (MBSA)

B.Microsoft Desktop Optimization Pack (MDOP)

C.Microsoft System Center 2012 Operations Manager

D.Microsoft System Center 2012 Data Protection Manager (DPM)

Answer: B

Question No: 3
You are planning the decommissioning of research.contoso.com.
You need to ensure that an administrator named AdminS in the research department can manage the user accounts that are migrated to contoso.com. The solution must minimize the number of permissions assigned to AdminS.
What should you do before you migrate the user accounts?

A. Run the New-Object cmdlet, and then run the Add-ADPrincipalGroupMembershipcmdlet.

B.Create a new organizational unit (OU), and then add AdminS to the Account Operators group.

C.Create a new organizational unit (OU), and then run the Delegation of Control Wizard.

D.Run the New-Object cmdlet, and then run the Add-ADCentralAccessPolicyMembercmdlet.

Answer: C

Question No: 4
You need to recommend changes to the DNS environment that support the implementation of the sales .contoso.com domain. The solution must ensure that the users in all of the domains can resolve both Internet names and the names of the servers in all of the internal domains.
What should you recommend?

A. On the DNS servers in contoso.com, configure a reverse lookup zone. On the DNS servers in sales .contoso.com, configure a conditional forwarder to contoso.com.

B.On the DNS servers in contoso.com, add a conditional forwarder to the sales.contoso.com zone. On the DNS servers in sales.contoso.com, add a forwarder to the DNS servers of the company's ISP.

C.On the DNS servers in contoso.com, create a zone delegation in the contoso.com zone. On the DNS servers in sales.contoso.com, add a forwarder to the contoso.com DNS servers.

D.On the DNS servers in contoso.com, configure a conditional forwarder to sales.contoso.com. On the DNS servers in sales.contoso.com, configure a reverse zone.

Answer: C

Question No: 5
You are evaluating the implementation of data deduplication on the planned Windows Server 2012 file servers.
The planned servers will have the identical disk configurations as the current servers.
You need to identify which volumes can be enabled for data deduplication.
Which volumes should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

A. C

B. D

C. E

D. The CSV

E. DATA

Answer: C, E

Question No: 6
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

Question No: 7
You need to recommend which changes must be implemented to the network before you can deploy the new web application.
What should you include in the recommendation?

A. Change the forest functional level to Windows Server 2008 R2.

B. Upgrade the DNS servers to Windows Server 2012.

C. Change the functional level of both the domains to Windows Server 2008 R2.

D. Upgrade the domain controllers to Windows Server 2012.

Answer: D

Question No: 8
You need to recommend a fault-tolerant solution for the VPN. The solution must meet the technical requirements.
What should you include in the recommendation?

A. Network adapter teaming

B. Network Load Balancing (NLB)

C. Failover Clustering

D. DirectAccess

Answer: B

Question No: 9
You are planning the migration of research.contoso.com.

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

A. Active Directory Migration Tool version 3.2 (ADMT v3.2) and Group Policy Management Console (GPMC)

B. Active Directory Federation Services (AD FS) and Microsoft Federation Gateway

C. Active Directory Migration Tool version 3.2 (ADMT v3.2) and Active Directory Federation Services (AD FS)

D. Active Directory Lightweight Directory Services (AD LDS) and Group Policy Management Console (GPMC)

Answer: A

Question No: 10
You need to recommend a solution for DHCP logging. The solution must meet the technical requirement.
What should you include in the recommendation?

A. Event subscriptions

B. IP Address Management (IPAM)

C. DHCP audit logging

D. DHCP filtering

Answer: B

Question No: 11
After the planned upgrade to Windows Server 2012, you restore a user account from the Active Directory Recycle Bin.
You need to replicate the restored user account as quickly as possible.
Which cmdlets should you run?

A. Get-ADReplicationSite and Set-ADReplicationConnection

B. Get-ADReplicationAttributeMetadata and Compare-Object

C. Get-ADReplicationUpToDatenessVectorTable and Set-ADReplicationSite

D. Get ADDomainController and Sync-ADObject

Answer: D

Question No: 12
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

Question No: 13
What method should you use to deploy servers?

A. WDS

B. AIK

C. ADK

D. EDT

Answer: A

Case Study: 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

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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	• Domain controller • DNS server • DHCP server	New York
DC02	• Domain controller • DNS server	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	• Domain controller • DHCP server	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 IP4v 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.

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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 FileOl 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 autoenrollment.
• 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.

Question No: 1 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.

Server on which to deploy the
DHCP Server server role:

DC02
DC04
RAS01
RAS02

DHCP failover mode:

Hot standby
Load-balanced

DHCP failover setting to configure:

Load percentage
Reserve percentage
State switchover interval

Answer:

Server on which to deploy the
DHCP Server server role:

DC02
DC04
RAS01
RAS02

DHCP failover mode:

Hot standby
Load-balanced

DHCP failover setting to configure:

Load percentage
Reserve percentage
State switchover interval

Question No: 2
You need to recommend a trust model.
What should you include in the recommendation?

A. A one-way, forest trust that has selective authentication.

B. A one-way, external trust

C. A two-way, external trust

D. A one-way, forest trust that has domain-wide authentication.

Answer: A

Question No: 3 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.

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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.

VPN Protocols

IKEv2

L2TP

PPTP

SSTP

Answer Area

The New York office: VPN

The Chicago office: VPN

Answer:

VPN Protocols

L2TP

PPTP

Answer Area

The New York office: IKEv2

The Chicago office: SSTP

Question No: 4 HOTSPOT
You need to recommend a storage configuration for the Hyper-V hosts.
What should you recommend? To answer, select the appropriate options in the answer area.

File system type:

FAT32
NTFS
REFS

Volume type:

Basic volume
Dynamic volume
Storage spaces volume

Answer:

File system type:

FAT32
NTFS
REFS

Volume type:

Basic volume
Dynamic volume
Storage spaces volume

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Question No: 5
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

Question No: 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

Question No: 7 DRAG DROP
You need to recommend changes for the Active Directory infrastructure.
What should you recommend? To answer, drag the appropriate domain and forest functional levels for proseware.com to the correct locations. Each functional level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Functional Levels

Windows Server 2008

Windows Server 2008 R2

Windows Server 2012

Windows Server 2012 R2

Answer Area

Domain functional level for proseware.com: | Functional level |

Forest functional level for proseware.com: | Functional level |

Answer:

Functional Levels

Windows Server 2008

Windows Server 2012

Windows Server 2012 R2

Answer Area

Domain functional level for proseware.com: | Windows Server 2008 R2 |

Forest functional level for proseware.com: | Windows Server 2008 R2 |

Question No: 8
You need to recommend a solution for the RODC.
Which attribute should you include in the recommendation?

A. system Flags

B. searchFlags

C. policy-Replication-Flags

D. flags

Answer: B

Question No: 9
You run the Get-DNSServer cmdlet on DCOI 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 DCOI. Which attribute should you recommend modifying?

A. EnablePollutionProtection

B. isReadOnly

C. locking Percent

D. ZoneType

Answer: C

Case Study: 3 Litware, Inc
Overview
Litware, Inc., is a manufacturing company. The company has a main office and two branch offices. The main office is located in Seattle. The branch offices are located in Los Angeles and Boston.
Existing Environment
Active Directory
The network contains an Active Directory forest named litwareinc.com. The forest contains a child domain for each office. The child domains are named boston.litwareinc.com and la.litwareinc.com. An Active Directory site exists for each office.
In each domain, all of the client computer accounts reside in an organizational unit (OU) named All Computers and all of the user accounts reside in an OU named AllUsers.
All domain controllers run Windows Server 2008 R2 and are configured as DNS servers.
The functional level of the domain and the forest is Windows Server 2008.
Network Infrastructure
The main office has the following servers:
• Five physical Hyper-V hosts that run Windows Server 2012
• Three virtual file servers that run Windows Server 2008 R2

• One physical DHCP server that runs Windows Server 2008 R2
• Ten physical application servers that run Windows Server 2012
• One virtual IP Address Management (IPAM) server that runs Windows Server 2012
• One virtual Windows Server Update Services (WSUS) server that runs Windows Server 2008 R2
• One physical domain controller and two virtual domain controllers that run Windows Server 2008 R2
Each branch office has following servers:
• One virtual file server that runs Windows Server 2008 R2
• Two physical Hyper-V hosts that run Windows Server 2012
• One physical DHCP server that runs Windows Server 2008 R2
• One physical domain controller and two virtual domain controllers that run Windows Server 2008 R2
All of the offices have a high-speed connection to the Internet. The offices connect to each other by using TI leased lines.
The IPAM server in the main office gathers data from the DNS servers and the DHCP servers in all of the offices.

Requirements

Planned Changes

The company plans to implement the following changes:
• Implement the Active Directory Recycle Bin.
• Implement Network Access Protection (NAP).
• Implement Folder Redirection in the Boston office only.
• Deploy an application named App1 to all of the users in the Boston office only.
• Migrate to IPv6 addressing on all of the servers in the Los Angeles office. Some application servers in the Los Angeles office will have only IPv6 addresses.

Technical Requirements

The company identifies the following technical requirements:

VPN Requirements

• Minimize the amount of administrative effort whenever possible.
• Ensure that NAP with IPSec enforcement can be configured.
• Rename boston.litwareinc.com domain to bos.litwareinc.com.
• Migrate the DHCP servers from the physical servers to a virtual server that runs Windows Server 2012.
• Ensure that the members of the Operators groups in all three domains can manage the IPAM server from their client computer.
You plan to implement a third-party VPN server in each office. The VPN servers will be configured as RADIUS clients. A server that runs Windows Server 2012 will perform RADIUS authentication for all of the VPN connections.

Visualization Requirements

The company identifies the following visualization requirements:
• Virtualize the application servers.
• Ensure that the additional domain controllers for the branch offices can be deployed by using domain controller cloning.
• Automatically distribute the new virtual machines to Hyper-V hosts based on the current resource usage of the Hyper-V hosts.

Server Deployment Requirements

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The company identifies the following requirements for the deployment of new servers on the network:
• Deploy the new servers over the network.
• Ensure that all of the server deployments are done by using multicast.

Security Requirements

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

Question No: 1
You need to recommend a server deployment strategy for the main office that meets the server deployment requirements.
What should you recommend installing in the main office?

A. Windows Deployment Services (WDS)

B.The Windows Automated Installation Kit (Windows AIK)

C.The Express Deployment Tool (EDT)

D.The Windows Assessment and Deployment Kit (Windows ADK)

Answer: A

Question No: 2
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

Question No: 3
You need to recommend changes to the Active Directory environment to support the virtualization requirements.

What should you include in the recommendation?

A. Raise the functional level of the domain and the forest.

B. Upgrade the domain controller that has the domain naming master role to Windows Server 2012.

C. Implement Administrator Role Separation.

D. Upgrade the domain controllers that have the PDC emulator master role to Windows Server 2012.

Answer: D

Question No: 4
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 Windows Server 2012.

Answer: A

Question No: 5
You need to recommend an IPAM management solution for the Operators groups. The solution must meet the technical requirements.
What should you include in the recommendation?

A. Run the Invoke-IpamGpoProvisioningcmdlet in all three domains. Add the computers used by the members of the Operators group to the IPAM server.

B.Modify the membership of the IPAM Administrators group and the WinRMRemoteWMIUsers_ group on the IPAM server.

C.Run the Set-IpamConfigurationcmdlet and modify the membership of the WinRMRemoteWMRJsers_ group on the IPAM server.

D.Run the Set-IpamConfigurationcmdlet on the IPAM server. Run the InvokeIpamGpoProvisioningcmdlet in all three domains.

Answer: B

Question No: 6
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

Question No: 7
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-Sm igServerSetting

C. Receive-Sm igServerData

D. Send-SmigServerData

Answer: B

Question No: 8
You need to implement the technical requirements for the boston .litwareinc.com domain.
Which tools should you use?

A. Gpfixup and Gpupdate

B. Rendom and Gpfixup

C. Gpupdate and Dcgpofix

D. Adprep and Rendom

Answer: B

Question No: 9
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

Question No: 10
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

Question No: 11
You need to recommend a Group Policy strategy to support the company's planned changes.
What should you include in the recommendation?

A. Link a Group Policy object (GPO) to the AllComputers OU in each domain.

B. Link a Group Policy object (GPO) to litwareinc.com and configure filtering.

C. Link a Group Policy object (GPO) to each domain.

D. Link a Group Policy object (GPO) to the Boston site.

Answer: D

Question No: 12
You need to ensure that NAP meets the technical requirements.
Which role services should you install?

A. Network Policy Server, Health Registration Authority and Host Credential Authorization Protocol

B. Health Registration Authority, Host Credential Authorization Protocol and Online Responder

C. Certification Authority, Network Policy Server and Health Registration Authority

D. Online Responder, Certification Authority and Network Policy Server

Answer: C

Case Study: 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 Sitel. 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.