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Microsoft

70-336 PRACTICE EXAM

Core Solutions of Microsoft Lync Server 2013

Tootle Questions: 107/5Case Study

Question: 1

You have a Lync Server 2013 infrastructure that contains an Enterprise Edition front end pool. You plan to add the following server roles to the existing infrastructure:

- Edge Server
- Archiving Server
- Monitoring Server
- Persistent Chat Server

You need to identify the minimum number of Microsoft SQL Server servers that must be added to the existing Lync Server 2013 infrastructure. The solution must not use the existing SQL Server Back End Server. What is the minimum number of SQL Server servers that you should identify?

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

Answer: A

Explanation:

<http://technet.microsoft.com/en-us/library/gg398102.aspx>

Question: 2

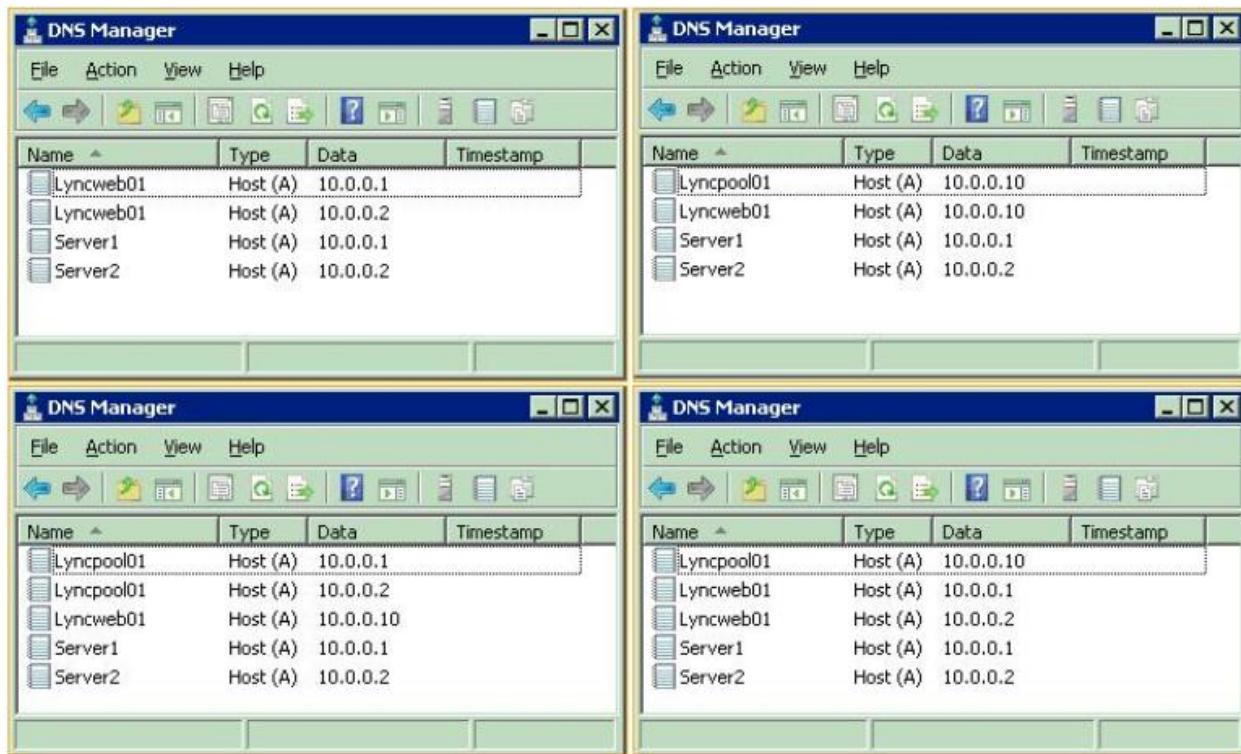
HOTSPOT

You plan to deploy a Lync Server 2013 infrastructure that will contain the components shown in the following table.

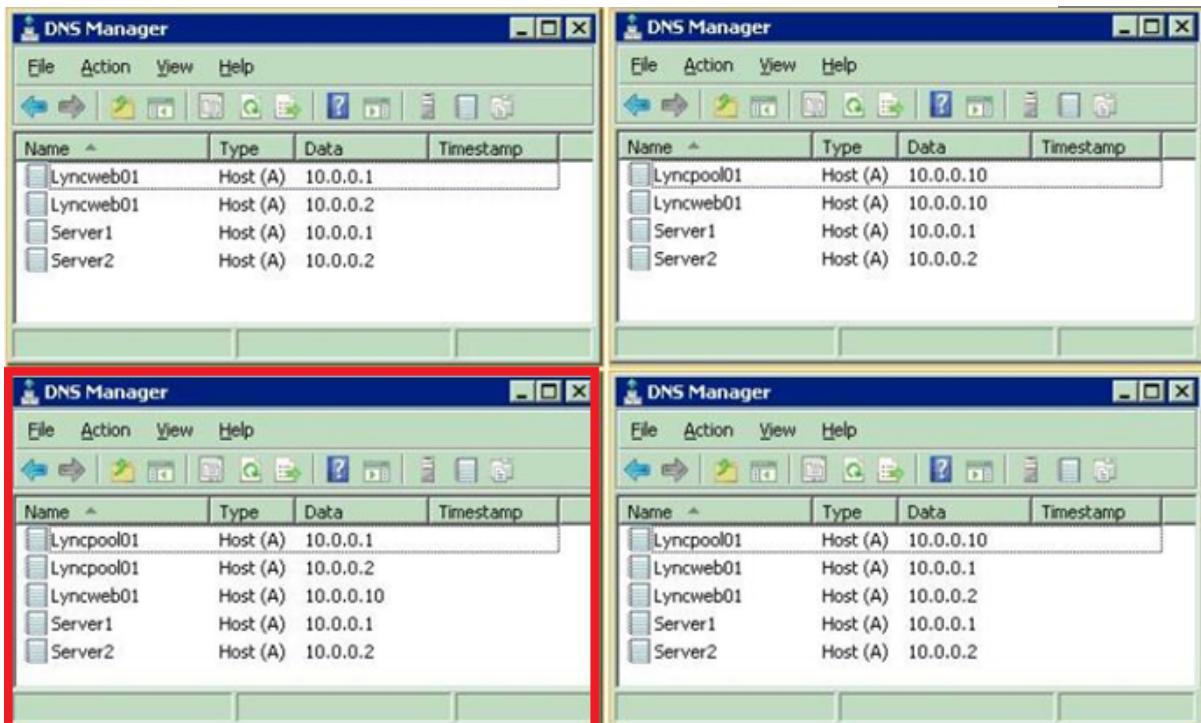
Component name	Description	IP address
Server1	Enterprise Edition Front End Server	10.0.0.1
Server2	Enterprise Edition Front End Server	10.0.0.2
HLB VIP	Virtual IP address of a hardware load balancer	10.0.0.10

The fully qualified domain name (FQDN) of the Enterprise Edition pool will be lyncpool01.contoso.com. Lync web services will be accessed at a URL of <https://lyncweb01.contoso.com>. You plan to use DNS load balancing for the Enterprise Edition pool. You need to identify which host (A) records must be created on the internal DNS servers to support the planned Lync Server 2013 deployment. Which A record entries should you identify?

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



Answer:



Explanation:

Note: Before you can use DNS load balancing, you must do the following:

1. Override the internal Web Services pool FQDN.
2. Create DNS A host records to resolve the pool FQDN to the IP addresses of all the servers in the pool.
3. Create records for all member Front End Servers that will participate in DNS Load Balancing.
3. Enable IP Address randomization or, for Windows Server DNS, enable round robin.

Question: 3

Your company has a main office and a branch office. The main office is located in Amsterdam. The branch office is located in New York. Each office has a data center. The offices connect to each other by using a high-bandwidth, low-latency WAN link. You have a Lync Server 2013 infrastructure that contains 5,000 users. You plan to deploy a persistent chat infrastructure. You need to ensure that persistent chat rooms remain available if a Persistent Chat Server fails. What should you do?

- A. Create one Persistent Chat Server pool that contains two active chat servers.
- B. Create two Persistent Chat Server pools that each contains one active chat server and one standby chat server.
- C. Create two Persistent Chat Server pools that each contains one active chat server.
- D. Create one Persistent Chat Server pool that contains one active chat server and one standby chat server.

Answer: A

Explanation:

<http://technet.microsoft.com/en-us/library/gg398500.aspx>

Question: 4

You plan to deploy Lync Server 2013. Your company uses only certificates that are purchased from a third-party certification authority (CA). The company uses the following domain names to generate email addresses for users:

- Adatum.com
- Contoso.com
- Fabrikam.com
- WingtipToys.com

You plan to configure simple URLs for the planned deployment. You need to recommend which meeting URLs to use. The solution must minimize the cost of purchasing certificates. Which names should you include in the recommendation?

- A. <https://meet.contoso.com>
<https://meet.adatum.com>
<https://meet.wingtipToys.com>
<https://meet.fabrikam.com>
- B. <https://meet.contoso.com>
<https://meet.contoso.com/adatum.com>
<https://meet.contoso.com/fabrikam.com>
<https://meet.contoso.com/wingtipToys.com>
- C. <https://meet.contoso.com/contoso.com>
https://meet.contoso.com/*.com
- D. <https://meet.contoso.com/contoso.com>
<https://meet.contoso.com/adatum.com>
<https://meet.contoso.com/fabrikam.com>
<https://meet.contoso.com/wingtipToys.com>

Answer: D

Explanation:

<http://technet.microsoft.com/en-us/library/gg398287.aspx>

Question: 5

DRAG DROP

You have a Lync Server 2013 infrastructure.

You plan to provide remote users with the ability to establish the following:

- Peer-to-peer calls between themselves and users on the internal network
- Chat sessions from mobile devices

You need to recommend which components must be configured to provide the required access to the remote users.

Which components should you recommend?

To answer, drag the appropriate component to the correct requirement in the answer area. Each component may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Components	Answer Area	
the Access Edge service	Peer-to-peer calls between themselves and users on the internal network	Component
the A/V Edge service		Component
a reverse proxy		
the Web Conferencing Edge service	Chat sessions from mobile devices	Component
an XMPP Gateway		

Answer:

Peer-to-peer calls between themselves and users on the internal network

the Access Edge service

the A/V Edge service

Chat sessions from mobile devices

a reverse proxy

Explanation:

Box 1: the Access Edge service

Box 2: the A/V Edge Service

Box 3: a reverse proxy

Note:

* The Edge Servers send and receive network traffic for the services offered by internal deployment by external users.

The Edge Server runs the following services:

/Access Edge service The Access Edge service provides a single, trusted connection point for both outbound and inbound Session Initiation Protocol (SIP) traffic.

/Web Conferencing Edge service The Web Conferencing Edge service enables external users to join meetings that are hosted on your internal Lync Server 2013 deployment.

/A/V Edge service The A/V Edge service makes audio, video, application sharing, and file transfer available to external users. Your users can add audio and video to meetings that include external participants, and they can communicate using audio and/or video directly with an external user in point-to-point sessions. The A/V Edge service also provides support for desktop sharing and file transfer.

Authorized external users can access the Edge Servers in order to connect to your internal Lync Server 2013 deployment, but the Edge Servers do not provide a means for any other access to the internal network.

- * the A/V Edge servers are able to accept connections for peer-to-peer calls and conference calls.
- * The Reverse Proxy server is an optional, external component that is not a Lync Server role and is not defined in the Lync Topology. The reason this component is considered optional is because without it deployed an external Lync client can still connect to Lync and most features will function (IM, Presence, Calls, Desktop Sharing, etc) as will federated communications.

The reverse proxy is required for the following:

- To allow users to connect to meetings or dial-in conferences using simple URLs
- To enable external users to download meeting content
- To enable external users to expand distribution groups
- To allow the user to obtain a user-based certificate for client certificate based authentication
- To enable remote users to download files from the Address Book Server or to submit queries to the Address Book Web Query service
- To enable remote users to obtain updates to client and device software
- To enable mobile devices to automatically discover Front End Servers offering mobility services
- To enable push notifications to mobile devices from the Office 365 or Apple push notification services

Question: 6

DRAG DROP

You deploy a Lync Server 2013 infrastructure that contains an Edge Server named Server1. Server1 is configured as shown in the following table.

FQDN	Component	IP address
Sip.contoso.com	Access Edge service	131.107.1.1
Wc.contoso.com	Web Conferencing Edge service	131.107.1.2
Av.contoso.com	A/V Edge service	131.107.1.3

You plan to configure federation with your company's external partners.

You need to identify which ports must be allowed on the firewall to provide the instant messaging (IM), presence, and web conferencing features.

Which ports should you identify?

To answer, drag the appropriate ports to the correct location in the answer area. Each port may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Ports	Answer Area	
80	Destination	Ports to open
443	Sip.contoso.com	Port Port
444	Wc.contoso.com	Port
3478		
5060		
5061		

Answer:

Destination	Ports to open	
Sip.contoso.com	443	3478
Wc.contoso.com	443	

Explanation:

Sip.contoso.com:

Box 1: 443

Box 2: 3478

Wc.contoso.com

Box 3: 443

Note:

* The UDP 3478 and TCP 443 ports are used by clients to request service from the A/V Edge service.

* 3478 outbound is used to determine the version of Edge Server that Lync Server is communicating with and also for media traffic from Edge Server to Edge Server. Required for federation with Lync Server, Windows Live Messenger, and Office Communications Server, and also if multiple Edge pools are deployed within a company.

* The A/V Edge requirements for ports and protocol have changed in Microsoft Lync Server. Depending upon your requirements for federation with partner infrastructures and the configuration of your Edge Servers, the following ports should be considered:

UDP 3478

TCP 443

UDP 50,000–59,999

TCP 50,000–59,999

Question: 7

You plan to deploy a Lync Server 2013 infrastructure. You plan to use a Microsoft SQL Server database mirror that has a witness. A database administrator gives you a list of five servers that you can use for the deployment. The servers are configured as shown in the following table.

Server name	SQL Server version
SQL1	SQL Server 2008 Enterprise
SQL2	SQL Server 2008 R2 Standard
SQL3	SQL Server 2008 R2 Standard
SQL4	SQL Server 2008 Enterprise
SQL5	SQL Server 2008 R2 Enterprise

You need to identify which servers you must use for the SQL Server backend.

Which servers should you identify?

A.

- SQL2 and SQL3 for the mirror
- SQL5 for the witness

B.

- SQL1 and SQL4 for the mirror
- SQL5 for the witness

- C.
- SQL2 and SQL3 for the mirror
 - SQL4 for the witness
- D.
- SQL1 and SQL4 for the mirror
 - SQL2 for the witness

Answer: A

Explanation:

<http://technet.microsoft.com/en-us/library/gg398990.aspx>

Question: 8

You are planning a Lync Server 2013 deployment. You need to recommend which Lync Server 2013 components are required to meet the following requirements:

- Presence, chat, and multiparty video conferencing features must be provided.
- Quality of Experience (QoE) data and call detail recording (CDR) must be provided.
- Lync Server services must be provided to internal users only.
- Licensing costs must be minimized.

Which two components should you recommend? (Each correct answer presents part of the solution. Choose two.)

- A. A Director pool
- B. A Standard Edition server
- C. An Enterprise Edition pool
- D. An Edge pool
- E. A Microsoft SQL Server database

Answer: BE

Question: 9

DRAG DROP

Your company has several offices. The offices are located in one office building. The building is located in Seattle. The company has employees from Europe and North America.

The company has a phone at a security desk. You implement Lync Server 2013 Enterprise Voice. You need to implement call routing for emergency calls. The solution must meet the following requirements:

- If a user dials 112, the call must be routed to a phone extension of 0911.
- If a user dials 0911, the call must be routed to the phone at the security desk.
- The phone at the security desk must be used to forward calls to the emergency number in the Seattle offices only.

What should you use?

To answer, drag the appropriate technology to the correct requirement in the answer area. Each technology may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Technologies	Answer Area
a conferencing policy	If a user dials 112, the call must be routed to a phone extension of 0911.
a Contact object	
Enterprise Voice-enabled users	
an external user access Policy	
a normalization rule	If a user dials 0911, the call must be routed to the phone at the security desk.
a voice policy	The phone at the security desk must be used to forward calls to the emergency number in the Seattle offices only.
An unassigned number	

Answer:

If a user dials 112, the call must be routed to a phone extension of 0911.

a voice policy

If a user dials 0911, the call must be routed to the phone at the security desk.

a normalization rule

The phone at the security desk must be used to forward calls to the emergency number in the Seattle offices only.

a normalization rule

Explanation:

Box 1: A voice policy

Box 2: a normalization rule

Box 3: a normalization rule

Note:

* Normalization rules define how phone numbers expressed in various formats are to be routed for the named location. The same number string may be interpreted and translated differently, depending on the locale from which it is dialed. Normalization rules are necessary for call routing because users can, and do, use various formats when entering phone numbers in their Contacts lists.

Normalizing user-supplied phone numbers provides a consistent format that facilitates the following tasks:

* You can enable or disable the following call features for each voice policy:

/ Call forwarding enables users to forward calls to other phones and client devices. Enabled by default.

Etc.

Reference:

Question: 10

DRAG DROP

You have a Microsoft Office Communications Server 2007 R2 infrastructure that contains two servers. The servers are configured as shown in the following table.

Server name	Role
Server1	Standard Edition server
Server2	Edge Server

You plan to deploy Lync Server 2013. You need to implement a pilot deployment of Lync Server 2013 for internal users. You install a new server named Server3. Which four actions should you perform next? To answer, move the four appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Install Lync Server 2013 on Server2.	
Install Lync Server 2013 on Server3.	
Create and publish the topology.	
Prepare the Active Directory infrastructure.	
Merge and publish the topology.	

Answer:

Install Lync Server 2013 on Server3.
Prepare the Active Directory infrastructure.
Create and publish the topology.
Install Lync Server 2013 on Server2.

Explanation:

Note:

* You use the Topology Builder Merge wizard to merge topology information. This tool collects information about your Office Communications Server 2007 R2 environment, including Edge Server information, and publishes that information to a database shared with Lync Server 2013. After you publish the merged topology, Topology Builder is used to view the Office Communications Server 2007 R2 topology information and information about the newly deployed Lync Server 2013 topology.

Reference: Migration from Office Communications Server 2007 R2 to Lync Server 2013

Question: 11

DRAG DROP

You have a Lync Server 2013 infrastructure that contains two servers. The servers are configured as shown in the following table.

Server name	Role
Server1	Front End Server
Server2	Microsoft SQL Server

You deploy two new servers. The servers are configured as shown in the following table.

Server name	Location
Server3	Internal network
Server4	Perimeter network

You need to recommend changes to the infrastructure to meet the following requirements:

- Ensure that remote users can connect to the network by using Microsoft Lync 2013.
- Ensure that Server3 authenticates the remote users before the users connect to a Front End Server.

Which Lync Server 2013 server role should you recommend deploying to each server?

To answer, drag the appropriate server role to the correct server in the answer area. Each server role may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Server Roles	Answer Area
Director	Server3 Sever role
Edge Server	Server4 Sever role
Front End Server	
Mediation Server	

Answer:

Server3	Director
Server4	Edge Server

Explanation:

Box 1: Director

Box 2: Edge Server

Note:

* Edge Server enables your users to communicate and collaborate with users outside the organization's firewalls. These external users can include the organization's own users who are currently working offsite, users from federated partner organizations, and outside users who have been invited to join conferences hosted on your Lync Server deployment.

* A Director is a server running Lync Server 2013 that authenticates user requests, but does not home any user accounts. You optionally can deploy a Director in the following two scenarios:

/ If you enable access by external users by deploying Edge Servers, you should also deploy a Director. In this scenario, the Director authenticates the external users, and then passes their traffic on to internal servers. When a Director is used to authenticate external users, it relieves Front End pool servers from the overhead of performing authentication of these users. It also helps insulate internal Front End pools from malicious traffic such as denial-of-service attacks. If the network is flooded with invalid external traffic in such an attack, this traffic ends at the Director.

/ If you deploy multiple Front End pools at a central site, by adding a Director to that site you can streamline authentication requests and improve performance. In this scenario, all requests go first to the Director, which then routes them to the correct Front End pool.

Reference: Overview of the Director

Question: 12

You have a Lync Server 2010 infrastructure.

You plan to migrate to Lync Server 2013. You have four client computers. The client computers are configured as shown in the following table.

Client computer type	Operating system	Installed client
A	Windows 7	Microsoft Office Communicator 2007
B	Windows XP	Microsoft Office Communicator 2007 R2
C	Windows 7	Microsoft Office Communicator 2007 R2
D	Windows XP	Microsoft Lync 2010

You need to identify which client computer types can use audio conferencing hosted on Lync Server 2013 without installing any additional software on the client computers. Which client computer types should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

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

Answer: BCD

Question: 13

DRAG DROP

You have a Lync Server 2013 infrastructure. You need to configure Lync Server 2013 to meet the following conferencing requirements:

- Ensure that a legal disclaimer is added to all meeting invitations.
- Ensure that only Microsoft Lync 2013 clients can be used to join conferences.
- Ensure that meeting organizers manually admit remote meeting attendees who are users in your company.

Which cmdlets should you run?

To answer, drag the appropriate cmdlet to the correct requirement in the answer area. Each cmdlet may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Cmdlets	Answer Area
Set-CsConferencingPolicy	Ensure that a legal disclaimer is added to all meeting invitations.
Set-CsMeetingConfiguration	
Set-CsConferencingConfiguration	Ensure that only Microsoft Lync 2013 clients can be used to join conferences.
Set-CsExternalAccessPolicy	
Set-CsClientVersionPolicy	Ensure that meeting organizers manually admit remote meeting attendees who are users in your company.

Answer:

Cmdlets	Answer Area
Set-CsConferencingPolicy	Ensure that a legal disclaimer is added to all meeting invitations.
Set-CsConferencingConfiguration	Ensure that only Microsoft Lync 2013 clients can be used to join conferences.
	Ensure that meeting organizers manually admit remote meeting attendees who are users in your company.

Explanation:

Box 1: Set-CsMeetingConfiguration

Box 2: Set-CsClientVersionPolicy

Box 3: Set-CsExternalAccessPolicy

Note:

* Set-CsMeetingConfiguration enables you to modify the meeting configuration settings currently in use in your organization. Meeting configuration settings help dictate the type of meetings (also called conferences) that users can create, and also control how (or even if) anonymous users and dial-in conferencing users can join these meetings. Note that these settings only affect scheduled meetings; they do not affect ad-hoc meetings created by clicking the Meet Now option in Microsoft Lync.

* Set-CsClientVersionPolicy

Modifies an existing client version policy. Client version policies enable you to specify which clients (such as Microsoft Office Communicator 2007 R2) will be allowed to log on to your Lync Server system.

* Set-CsExternalAccessPolicy

Enables you to modify the properties of an existing external access policy. External access policies determine whether or not your users can: 1) communicate with users who have Session Initiation Protocol (SIP) accounts with a federated organization; 2) communicate with users who have SIP accounts with a public instant messaging (IM) provider such as MSN; and, 3) access Lync Server over the Internet, without having to log on to your internal network.

* Incorrect: Set-CsConferencingPolicy

Modifies an existing conferencing policy. Conferencing policies determine the features and capabilities that can be used in a conference; this includes everything from whether or not the conference can include IP audio and video to the maximum number of people who can attend a meeting.

* Incorrect: Set-CsConferencingConfiguration

Modifies an existing collection of conferencing configuration settings. Conference settings determine such things as

the maximum allowed size for meeting content and handouts; the content grace period (that is, the amount of time content will be stored before being deleted); and the URLs for the internal and external downloads of the supported client.

Question: 14

You have a Lync Server 2013 infrastructure.

Your company has a sales department and a research department.

You deploy persistent chat.

You need to configure persistent chat to meet the following requirements:

- Users in the sales department must be prevented from viewing the names of the rooms used by the research department.

- Users in the research department must be able to discover all of the rooms used by their department.

What should you do?

- A. • Create a user-level Persistent Chat Policy named Sales.

- Apply the Sales policy to the sales and research users.

- Create persistent chat rooms for each department and set the privacy to Secret.

B.

- Create a category named ResearchRooms.

- Add the research users as Allowed members to the ResearchRooms category.

- Add the sales users as Denied members to the ResearchRooms category.

- Create persistent chat rooms for each department and set the privacy to Closed.

C.

- Create a category named ResearchRooms.

- Add the research users as Allowed members to the ResearchRooms category.

- Add the sales users as Denied members to the ResearchRooms category.

- Create persistent chat rooms for each department and set the privacy to Secret.

D.

- Create a user-level Persistent Chat Policy named Sales.

- Apply the Sales policy to the sales and research users.

- Create persistent chat rooms for each department and set the privacy to Open.

Answer: C

Explanation:

<http://technet.microsoft.com/en-us/library/jj204859.aspx>

<http://technet.microsoft.com/en-us/library/jj205166.aspx>

Question: 15

DRAG DROP

Your network contains the servers that are configured as shown in the following table.

Server name	Pool name	Role
Server1.contoso.com	Server1.contoso.com	Microsoft Office Communications Server 2007 R2 Standard Edition
Server2.contoso.com	Lyncpool.contoso.com	Lync Server 2013 Front End Server
Server3.contoso.com	Server3.contoso.com	Lync Server 2013 Edge Server

You move all users to Lync Server 2013. You need to decommission Office Communications Server 2007 R2. Which four actions should you perform?

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

Actions	Answer Area
On Server2, move the conference directories.	
On Server1, move the conference directories.	
On Server1, uninstall the Office Communications Server 2007 R2 components.	
On Server1, remove the BackCompatSite.	
On Server1, deactivate all of the Office Communications Server 2007 R2 components.	
On Server2, remove the BackCompatSite.	

Answer:

Actions	Answer Area
On Server2, move the conference directories.	On Server1, move the conference directories.
On Server1, remove the BackCompatSite.	On Server1, deactivate all of the Office Communications Server 2007 R2 components.
	On Server1, uninstall the Office Communications Server 2007 R2 components.
	On Server2, remove the BackCompatSite.

Explanation:

On Server1, move the conference directories.

On Server1, deactivate all of the Office Communications Server 2007 R2 components.

On Server1, uninstall the Office Communications Server 2007 R2 components.

On Server2, remove the BackCompatSite.

Note:

* Decommission Legacy Site, main steps:

Move Conference Directories

Update DNS SRV Records

Decommissioning Servers and Pools

Remove BackCompatSite

* Move Conference Directories

Before decommissioning a pool, you need to perform the following procedure for each conference directory in your Office Communications Server 2007 R2 pool.

Move a conference directory to Lync Server 2013

* After all pools are deactivated and all Edge Servers have been uninstalled, run the Topology Builder Merge wizard to remove the BackCompatSite.

* Before decommissioning a Standard Edition server or a server in an Enterprise pool, do the following:

Provide users with sufficient notice to ensure that they can plan for the down time.

Deactivate the server roles on the weekend or holiday, or during other off-peak hours.

Reference: Decommission Legacy Site

Question: 16

Your company has a main office and a branch office. The main office has 3,000 users. The branch office has 100 users. The offices are connected via a WAN link. You have a Lync Server 2013 infrastructure. The main office has a pool named Pool1 that contains two Enterprise Edition Front End Servers. The branch office only contains an Active Directory domain controller and a file server. You need to recommend a high-availability solution to ensure that users can establish calls if one of the following components fails:

- A Front End Server
- A PSTN gateway
- A WAN router

The solution must minimize deployment and maintenance costs. What should you recommend?

- A. In the branch office, deploy a second Enterprise Edition pool named Pool2. Configure Pool1 to use Pool2 as a backup pool. Configure one trunk in Pool1. Configure one trunk in Pool2.
- B. In the branch office, deploy an SBA named SBA1. Configure SBA1 to use Pool1 as a backup registrar. Configure two trunks in Pool1. Configure one trunk in SBA1.
- C. In the main office, deploy a second Enterprise Edition pool named Pool2. In the branch office, deploy an SBA named SBA1. Configure SBA1 to use Pool2 as a backup registrar. Configure two trunks in Pool1. Configure two trunks in SBA1.
- D. In the branch office, deploy a second Enterprise Edition pool named Pool2. Configure Pool1 to use Pool2 as a backup pool. Configure two trunks in Pool1. Configure two trunks in Pool2.

Answer: B

Question: 17

You deploy a Lync Server 2013 infrastructure that contains four servers. The servers are configured as shown in the following table.

Server name	Role
Lync1	Enterprise Edition Front End Server
Lync2	Standard Edition Front End Server
Lync3	Mediation Server
Lync4	Office Web Apps Server

You need to deploy a Persistent Chat pool. The solution must use the least amount of servers. On which server should you install the Persistent Chat Server role?

- A. Lync1
- B. Lync2
- C. Lync3
- D. Lync4
- E. A new server

Answer: B

Question: 18

You have a Lync Server 2013 infrastructure that contains four servers. The servers are configured as shown in the following table.

Server name	Role
Lync1.contoso.com	Standard Edition
Lync2.contoso.com	Standard Edition
Lync3.contoso.com	Edge Server
Sql1.contoso.com	Microsoft SQL Server SQL Server Reporting Services (SSRS)

You run the Get-CsManagementStoreReplicationStatus cmdlet and discover the following replication issue:

```

UpToDate : True
ReplicaFqdn : Lync1
LastStatusReport : 12/9/2012 12:09:09 PM
LastUpdateCreation : 12/9/2012 12:09:03 PM
ProductVersion :

UpToDate : True
ReplicaFqdn : Lync2
LastStatusReport : 12/9/2012 12:09:09 PM
LastUpdateCreation : 12/9/2012 12:09:03 PM
ProductVersion :

UpToDate : False
ReplicaFqdn : Lync3
LastStatusReport :
LastUpdateCreation : 9/9/2012 12:09:03 PM
ProductVersion :
```

From Telnet, you verify that you can connect to Lync3 over TCP ports 443, 4443, 5061, and 5062. You republish the topology successfully and you restart Lync3. You need to identify what is causing the replication issue. What should you identify?

- A. A firewall issue

- B. A failed service
- C. A share permission issue
- D. A certificate issue
- E. A routing issue

Answer: D

Question: 19

You have two servers named Lync1 and Lync2 that have Lync Server 2013 Standard Edition deployed. The servers are located in different buildings. Lync1 hosts response groups. You need to ensure that Lync2 can host the response groups if Lync1 fails. Which cmdlet should you run first?

- A. Export-CsConfiguration
- B. Export-CsRgsConfiguration
- C. Backup-CsPool
- D. Move-CsRgsConfiguration

Answer: B

Explanation:

<http://technet.microsoft.com/en-us/library/jj205011.aspx>

Question: 20

DRAG DROP

You have a Lync Server 2013 infrastructure.

You need to recommend which tools must be used to gather information to troubleshoot issues related to the following:

- Routing calls between internal users
- Routing outbound calls handled by Lync Server 2013

Which tool should you recommend?

To answer, drag the appropriate tool to the correct location in the answer area. Each tool may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Tools	Answer Area
OCSLogger	Routing calls between internal users
clsController	Routing outbound calls handled by Lync Server 2013
Snooper	
Enterprise Voice Route Helper	

Answer:

Routing calls between internal users **ClsController**

Routing outbound calls handled by
Lync Server 2013 **ClsController**

Explanation:

Box 1: ClsController

Box 2: ClsController

Note:

* Microsoft Lync Server 2013 Debugging Tools is a collection of additional tools for use by IT Admins to aid in troubleshooting Lync Server 2013 deployments. The collection of tools include:

Snooper

OCSLogger

OCSTracer

ClsController.psm

* The Lync Server Centralized Logging Service Agent service (also known as ClsAgent) is running on all Lync 2013 servers in the deployment. The purpose of the agent is to respond to requests to enable/disable logging and to respond to search requests.

* Incorrect: Snooper is for network packet troubleshooting.

* Incorrect: OCSLogger: The older tool.

Question: 21

You have a Lync Server 2013 infrastructure that is configured for audio/video conferencing and Enterprise Voice. Users report that they cannot connect to audio conferences from a branch office. The branch office is secured and has limited connectivity to other offices. The users can connect to audio conferences from other offices. You need to configure the port range used by Microsoft Lync 2013 clients for audio conferencing. Which cmdlet should you run?

- A. Set-CsExternalAccessPolicy
- B. Set-CsNetworkConfiguration
- C. Set-CsConferencingConfiguration
- D. Set-CsMediaConfiguration

Answer: C

Explanation:

<http://technet.microsoft.com/en-us/library/gg412969.aspx>

Question: 22

HOTSPOT

You have a Lync Server 2013 infrastructure. The infrastructure has monitoring reports and Call Admission Control (CAC) deployed. A user named User1 reports poor audio quality during web conferences. You need to identify whether User1 uses the Siren codec for audio conferences. Which monitoring report should you use from the Microsoft Lync Server 2013 Control Panel?

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

Answer Area

Monitoring Reports

Dashboard |  Help
Version : 5.0.8132.0

System Usage Reports

- [User Registration Report](#)
- [Peer-to-Peer Activity Summary Report](#)
- [Conference Summary Report](#)
- [PSTN Conference Summary Report](#)
- [Response Group Usage Report](#)
- [IP Phone Inventory Report](#)
- [Call Admission Control Report](#)

Call Diagnostic Reports (per-user)

- [User Activity Report](#)

Call Diagnostic Reports

- [Call Diagnostic Summary Report](#)
- [Peer-to-Peer Activity Diagnostic Report](#)
- [Conference Diagnostic Report](#)
- [Conference Join Time Report](#)
- [Top Failures Report](#)
- [Failure Distribution Report](#)

Media Quality Diagnostic Reports

- [Media Quality Summary Report](#)
- [Media Quality Comparison Report](#)
- [Server Performance Report](#)
- [Location Report](#)
- [Device Report](#)

Answer:

Answer Area

Monitoring Reports

[Dashboard](#) | [Help](#)

Version : 5.0.8132.0

System Usage Reports

- [User Registration Report](#)
- [Peer-to-Peer Activity Summary Report](#)
- [Conference Summary Report](#)
- [PSTN Conference Summary Report](#)
- [Response Group Usage Report](#)
- [IP Phone Inventory Report](#)
- [Call Admission Control Report](#)

Call Diagnostic Reports

- [Call Diagnostic Summary Report](#)
- [Peer-to-Peer Activity Diagnostic Report](#)
- [Conference Diagnostic Report](#)
- [Conference Join Time Report](#)
- [Top Failures Report](#)
- [Failure Distribution Report](#)

Call Diagnostic Reports (per-user)

- [User Activity Report](#)

Media Quality Diagnostic Reports

- [Media Quality Summary Report](#)
- [Media Quality Comparison Report](#)
- [Server Performance Report](#)
- [Location Report](#)
- [Device Report](#)

Explanation:

The User Activity Report provides a detailed list of the peer-to-peer and conferencing sessions carried out by your users in a given time period. Unlike many of the Monitoring Reports, the User Activity Report ties each call to individual users. For example, peer-to-peer sessions specify the SIP URIs of the person who initiated the call (the From user) and the person who was being called (the To user). If you expand the information for a conference, you'll see a list of all the conference participants and the role they held for that conference.

The User Activity Report is sometimes referred to as the "help desk" report. That's because the report is often used by help desk personnel to retrieve session information for a specific user. You can filter for calls made to or made by an individual user simply by typing the user's SIP URI in the User URI prefix box.

Question: 23

DRAG DROP

Your network contains a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2013 organization. You have three distribution groups. The groups are configured as shown in the following table.

Group name	Members
Team1@contoso.com	Users who work on Team1
Team2@contoso.com	Users who work on Team2
AllTeams@contoso.com	All users from Team1 and Team2

You need to ensure that all of the users on Team1 and Team2 can answer calls that are in the same queue. The users must be able to choose when they want to participate in the queue. Which three actions should you perform?

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
Create a new informal response group.	
Create a new workflow.	
Create a new response group queue.	
Create a new formal response group.	
Create a voice policy.	

Answer:

Actions	Answer Area
	Create a new informal response group.
	Create a new response group queue.
	Create a new workflow.
Create a new formal response group.	
Create a voice policy.	

Explanation:

Box 1: Create a new informal response group.

Box 2: Create a new response group queue

Box 3: Create a new workflow

Note:

* The Response Group application in Lync Server 2010 provides for treatment, queuing, and routing of inbound calls.

* Formal agents are considered active when they manually sign in to the Response Group application web sign in page. Informal agents are considered active when they login to the Lync client, because they are automatically signed in to their Response Groups when they login.

* A workflow defines the behavior of a call from the time that the phone rings to the time that someone answers the call. The workflow specifies the queue to use for holding the call, and specifies the routing method to use for hunt groups or the questions and answers to use for interactive response groups. A workflow also defines settings such as a welcome message, music on hold, business hours, and holidays.

You use the Response Group Configuration Tool to create workflows. You can access the Response Group Configuration Tool from the Response Group page of Lync Server Control Panel.

Reference: Create Response Group Workflows

Question: 24

DRAG DROP

You have a Lync Server 2013 infrastructure that contains four Front End pools. The pools are configured as shown in the following table.

Pool name	Location	Users
Pool1	Site1	Users in the sales department
Pool2	Site2	Users in the research department
Pool3	Site1	Users in the marketing department
Pool4	Site2	Users in the sales department

You configure three archiving policies as shown in the following table.

Policy name	Archive setting	Applies to
Policy1	Archive internal instant messaging (IM)	Sales users
Policy2	Archive external instant messaging (IM)	Site1
Policy3	Archive external and internal IM instant messaging (IM)	Site2

You need to identify which archiving setting will apply each group of users. Which archiving settings should you identify?

Archiving Settings		Answer Area	
Archive internal IM only		Sales users in Site1	Archiving setting
Archive external IM only		Sales users in Site2	Archiving setting
Archive external and internal IM		Research users in Site2	Archiving setting
		Marketing users in Site1	Archiving setting

Answer:

Sales users in Site1	Archive internal IM only
Sales users in Site2	Archive internal IM only
Research users in Site2	Archive external and internal IM
Marketing users in Site1	Archive external IM only

Explanation:

- Box 1: Archive internal IM only
Policy1 (user policy) overrides site policy.
- Box 2: Archive internal IM only
Policy1 (user policy) overrides site policy.
- Box 3: Archive external and internal IM
Site policy applies.
- Box 4: Archive external IM only
Site policy applies.

Note:

* A user-level Archiving policy overrides the global policy and any site policies, but only for the users and user groups to whom the policy is applied.

For example, if you disable Archiving for internal and external communications in your global policy, create a site-level policy in which you enable Archiving for internal and external communications, and then create a user-level policy in which you disable Archiving for external communications, the communications would be archived for both external and internal communications for all site users except that, for the users to whom you apply the user-level policy, only internal communications would be archived.

* If a user has been enabled for Lync Server 2013 and you have created one or more user policies for archiving for users homed on Lync Server 2013, you can implement archiving support for specific users by applying the appropriate policies to those users or user groups.

* The following Archiving policies:

A global policy that is created by default when you deploy Lync Server 2013.

Optional site-level and user-level policies that you can create and use to specify how archiving is implemented for specific sites or users.

Reference: How Archiving Works

Question: 25

DRAG DROP

You have a Lync Server 2013 infrastructure that contains one Standard Edition Front End Server named Lync1.

You use an account named Admin1 to sign in to Lync 2013.

You need to modify the Line URI of some users. The solution must ensure that updated Line URI information is available in your address book as quickly as possible.

You sign out of Lync 2013.

Which three actions should you perform next?

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
On Lync1, run the Set-CsUser cmdlet.	
On Lync1, run the Update-CsUserDatabase cmdlet.	
On Lync1, run the Sync-CsUserData cmdlet.	
On your client computer, delete the GalContacts.db file and sign in to Lync 2013.	
On Lync1, run the Update-CsAddressBook cmdlet.	
On your client computer, delete the file named ABS_admin1@contoso.com.cache and sign in to Lync 2013.	

Answer:

Actions	Answer Area
On Lync1, run the Set-CsUser cmdlet.	On Lync1, run the Set-CsUser cmdlet.
On Lync1, run the Update-CsUserDatabase cmdlet.	On Lync1, run the Update-CsAddressBook cmdlet.
On Lync1, run the Sync-CsUserData cmdlet.	On Lync1, run the Update-CsUserDatabase cmdlet.
On your client computer, delete the GalContacts.db file and sign in to Lync 2013.	
On Lync1, run the Update-CsAddressBook cmdlet.	
On your client computer, delete the file named ABS_admin1@contoso.com.cache and sign in to Lync 2013.	

Explanation:

Note:

* Set-CsUser

Modifies Lync Server properties for an existing user account. Properties can be modified only for accounts that have been enabled for use with Lync Server.

* Update-CsAddressBook for Address Book Management

Forces the specified Address Book servers to synchronize their contents with the User database.

* Update-CsUserDatabase

Forces the back-end user database to clear its replication status with Active Directory. This causes the database to re-read all the user-related information stored in Active Directory Domain Services (AD DS).

* Sync-CsUserData

Synchronizes user data between a pair of Microsoft Lync Server 2013 pools.

Question: 26

You have a Lync Server 2013 infrastructure that contains four servers. The servers are configured as shown in the following table.

Server name	Role
Lync1.contoso.com	Standard Edition
Lync2.contoso.com	Standard Edition
Lync3.contoso.com	Edge Server
SQL1.contoso.com	Microsoft SQL Server SQL Server Reporting Services (SSRS)

After a network failure, you restore Lync3. You need to force replication between the servers. What should you do?

- A. On Lync1, run the **Invoke-CsManagementStoreReplication** cmdlet.
- B. On Lync1, run the **Invoke-CsBackupServiceSync** cmdlet.
- C. On Lync3, run the **Invoke-CsManagementStoreReplication** cmdlet.
- D. On Lync3, run the **Invoke-CsBackupServiceSync** cmdlet.

Answer: A

Explanation:

<http://technet.microsoft.com/en-us/library/gg413060.aspx>

Question: 27

You have a Lync Server 2013 infrastructure. You plan to deploy an archiving solution.

Your company has a compliance policy that has the following requirements:

- Instant messaging (IM) conversations between external users and the members of a group named Traders must be archived.
- IM conversations between external users and the members of a group named HR must be archived.
- The internal IM conversations of all other users must be archived.

You need to configure archiving policies to meet the compliance policy requirements. Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)

- A. Configure the global archiving policy to archive internal and external IM conversations.
- B. Create a user-level archiving policy that is configured to archive internal and external IM traffic. Assign the policy to the HR group.
- C. Create a site-level archiving policy that is configured to archive internal and external IM conversations.
- D. Configure the global archiving policy to archive internal IM conversations.
- E. Create a user-level archiving policy that is configured to archive external IM traffic. Assign the policy to the Traders group.

Answer: CDE

Question: 28

DRAG DROP

You have a Lync Server 2013 infrastructure.

You need to identify which cmdlets must be used to troubleshoot issues related to the following:

- Client sign in
- Communication when using IM Conferencing
- Connectivity when using instant messaging (IM) on mobile clients

Which cmdlets should you identify?

To answer, drag the appropriate cmdlets to the correct location in the answer area. Each cmdlet may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Cmdlets	Answer Area
Test-CsGroupIM	Client sign in <input type="text"/>
Test-CsIM	Communication when using IM Conferencing <input type="text"/>
Test-CsPresence	
Test-CsRegistration	Connectivity when using instant messaging (IM) on mobile clients <input type="text"/>
Test-McxP2PIM	

Answer:

Cmdlets	Answer Area
Test-CsPresence	Client sign in Test-CsIM
Test-CsRegistration	Communication when using IM Conferencing Test-CsGroupIM
	Connectivity when using instant messaging (IM) on mobile clients Test-McxP2PIM

Explanation:

Box 1: Test-CsIM

Box 2: Test-CsGroupIM

Box 3: Test-McxP2PIM

Note:

* Test-CSRegistration

Tests the ability of a user to log on to Lync Server. **Test-CsRegistration** is a "synthetic transaction": a simulation of common Lync Server activities used for health and performance monitoring.

* Test-CSGroupIM

Tests the ability of two users to conduct an instant messaging (IM) conference. **Test-CsGroupIM** is a "synthetic transaction": a simulation of common Lync Server activities used for health and performance monitoring.

* Test-McxP2PIM

Test-CsMCXP2PIM (MCXP2PIM)

Confirms that mobile device users are able to register and send instant messages.

Reference: Installing and Configuring Watcher Nodes

Question: 29

Your network contains the servers shown in the following table.

Server name	Role	FQDN	IP address
OCS1	Microsoft Office Communications Server 2007 R2 Standard Edition	ocs1.contoso.com	192.168.1.10
Lync1	Lync Server 2013 Standard Edition	lync1.contoso.com	192.168.1.20

You move all users to Lync1 and remove OCS1 from the network. A user named User1 reports that he cannot sign in to the Lync 2013 client. Before the migration, User1 signed in successfully. Other users can sign in to the Lync 2013 client. You run nslookup.exe from the client computer of User1 and obtain the result shown in the following window.

```
> set type=srv  
> _sipinternalts._tcp.contoso.com  
Server: Unknown  
Address: 192.168.30.20  
  
_sipinternalts._tcp.contoso.com SRV service location:  
    priority      = 0  
    weight        = 0  
    port          = 5061  
    svr hostname = lync1.contoso.com  
lync1.contoso.com internet address = 192.168.1.20  
>
```

You verify that the client computer of User1 trusts the certificate on lync1.contoso.com. You need to ensure that User1 can sign in to Lync 2013. What should you do?

- A. Configure the Lync 2013 client to use automatic configuration.
- B. Modify the client policy for User1.
- C. Modify the hosts file on the client computer of User1.
- D. Modify the service location (SRV) record.

Answer: A

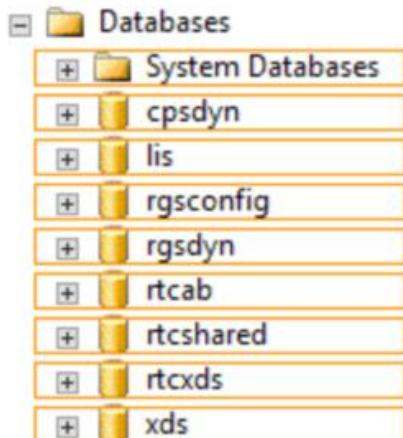
Question: 30

HOTSPOT

You have a server that has Lync Server 2013 Standard Edition deployed. You need to back up the database of the Central Management store. Which database should you back up?

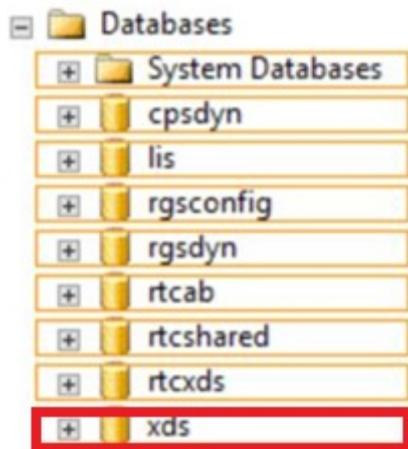
To answer, select the appropriate object in the answer area.

Answer Area



Answer:

Answer Area



Explanation:

Note: The name of the actual database on the Central Management Server and the local replica is the XDS, which is made up of the xds.mdf and xds.ldf files.

Question: 31

You have a Lync Server 2010 infrastructure that contains an Edge Server named Edge1. Five hundred remote users connect to Edge1 from the Internet. Each user has a SIP address that uses a suffix of @contoso.com. You deploy an Edge Server named Edge2 that has Lync Server 2013 deployed. You create a host (A) record that points to edge2.contoso.com. You need to ensure that 20 remote users connect to Edge2. All other remote users must continue to connect to Edge1. What should you do?

- A. Instruct the users to modify the sign-in address of the Microsoft Lync client.
- B. Instruct the users to modify the Advanced Connection Settings of their Microsoft Lync client.
- C. Create a service location (SRV) record that points to edge2.contoso.com.
- D. Create an alias (CNAME) record that points to edge2.contoso.com.

Answer: B

Question: 32

You migrate a user named User1 from a Microsoft Office Communications Server 2007 R2 infrastructure to a Lync Server 2013 infrastructure. The Lync Server 2013 infrastructure has a Front End pool named pool01.contoso.com. The next day, User1 reports that he cannot schedule a web conference by using Microsoft Outlook 2010. You need to ensure that User1 can schedule a web conference immediately. What should you instruct User1 to do?

- A. Open the URL of <https://pool01.contoso.com/reach>.
- B. From Outlook 2010, use the Scheduling Assistant.
- C. Open the URL of <https://pool01.contoso.com/scheduler>.
- D. From Outlook 2010, modify the properties of the Conferencing Add-in.

Answer: C

Question: 33

Your company has offices in New York and Santiago. Each office has a server that has Lync Server 2013 Standard Edition deployed. Each office has a dedicated help desk. Each help desk maintains a web site that provides users with localized help and training resources. You need to ensure that when the users sign in to Microsoft Lync 2013, a link to the help desk in their respective office appears on the Help menu. What should you use?

- A. Location policies
- B. Client policies
- C. Client policy entries
- D. Client version policies

Answer: B

Explanation:

<http://technet.microsoft.com/en-us/library/gg398300.aspx>

Question: 34

DRAG DROP

You have a Lync Server 2013 infrastructure. You have a Virtual Desktop Infrastructure (VDI) that uses Hyper-V. You use VDI templates based on Windows 7 Service Pack 1 (SP1).

All thin clients run Windows 7 SP1. Each thin client has a Lync-certified headset. You need to prepare all of the thin clients and all of the VDI templates so that users can place calls by using the headset. Which components should you install on the thin clients and the VDI templates?

To answer, drag the appropriate components to the correct location in the answer area. Each component may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Components	Answer Area
Microsoft Lync 2010 Phone Edition	Thin clients Component
Microsoft Lync 2013	Thin clients Component
Microsoft Lync 2013 VDI plug-in	VDI templates Component
Windows 8 RDS client	
Windows 7 synthetic driver	

Answer:

Components	Answer Area
Microsoft Lync 2010 Phone Edition	Thin clients
Microsoft Lync 2013	VDI templates
	Windows 8 RDS client Windows 7 synthetic driver Microsoft Lync 2013 VDI plug-in

Explanation:

Box 1: Windows 8 RDS client

Box 2: Windows 7 synthetic driver

Box 3: Microsoft Lync 2013 VDI plug-in

Note:

* If the local computer is running Windows 7 with SP1, install the latest Windows 8 version of the Remote Desktop Services client

* Microsoft Lync VDI 2013 plug-in enables you to experience local like audio and video in peer-to-peer calls and conference calls when using Microsoft Lync 2013 in a Virtual Desktop Infrastructure (VDI) Environment.

* On Hyper-V network adapter differences:

Windows Server 2008 and the R2 release already include support for the Network Adapter. The synthetic driver that supports the more modern and virtualization-friendly Network Adapter is orders of magnitude more efficient than the legacy network adapter option.

* The Lync 2013 client now supports audio and video in a Virtual Desktop Infrastructure (VDI) environment. A user can connect an audio or video device (for example, a headset or a camera) to the local computer (for example, a thin client or repurposed computer). The user can connect to the virtual machine, sign in to the Lync 2013 client that is running on the virtual machine, and participate in real-time audio and video communication as though the client is running locally.

Reference: Lync VDI Plug-in Prerequisites

Question: 35

You have a Lync Server 2013 infrastructure. You create a new common area phone. You need to configure the common area phone for hot desking. The solution must enable hot desking for the common area phone only. What should you do?

- A. Modify the global client policy.
- B. Create a per-user voice policy and assign the policy to a Phone object.
- C. Create a per-user client policy and assign the policy to a Phone object.
- D. Modify the global voice policy.

Answer: C

Explanation:

<http://blog.schertz.name/2011/04/common-area-phone-configuration-in-lync/>

Question: 36

You plan to deploy a Lync Server 2013 Edge Server. You need to identify which operating systems can be used to

deploy the Edge Server. Which operating systems should you identify? (Each correct answer presents a complete solution. Choose all that apply.)

- A. A full installation of Windows Server 2008 Service Pack 2 (SP2) Enterprise
- B. A full installation of Windows Server 2008 R2 Service Pack 1 (SP1) Standard
- C. A Server Core installation of Windows Server 2012 Enterprise
- D. A Server Core installation of Windows Server 2008 R2 Service Pack 1 (SP1) Standard
- E. A full installation of Windows Server 2012 Enterprise
- F. A full installation of Windows Server 2012 Datacenter

Answer: ABF

Question: 37

HOTSPOT

You plan to deploy a Lync Server 2013 Edge Server infrastructure. The Edge Server deployment will be configured as shown in the following table.

Server name	FQDN	Component	IP address
Server1	Sip.contoso.com	Access Edge service	131.107.1.1
Server1	Wc.contoso.com	Web Conferencing Edge service	131.107.1.2
Server1	Av.contoso.com	A/V Edge service	131.107.1.3

You need to configure the DNS records for Server1 to support the following features:

- Automatic client sign-in
- Discovery of federated partners

Which DNS records should you configure?

To answer, configure the correct service, protocol, and host for each SRV record in the answer area.

Answer Area

Service	Domain	Protocol	Port	Host
<input type="button" value="▼"/>	Contoso.com	<input type="button" value="▼"/>	5061	<input type="button" value="▼"/>
<input type="button" value="▼"/>	Contoso.com	<input type="button" value="▼"/>	443	<input type="button" value="▼"/>

Answer Area

Service	Domain	Protocol	Port	Host
<input type="button" value="▼"/> _sip _sipfederationtls _sipfederationtcp	Contoso.com	<input type="button" value="▼"/> _tcp _tls	5061	<input type="button" value="▼"/> Av.contoso.com Sip.contoso.com Wc.contoso.com
<input type="button" value="▼"/> _sip _sipfederationtls _sipfederationtcp	Contoso.com	<input type="button" value="▼"/> _tcp _tls	443	<input type="button" value="▼"/> Av.contoso.com Sip.contoso.com Wc.contoso.com

Answer:**Answer Area**

Service	Domain	Protocol	Port	Host
<input type="text"/> _sip <input type="checkbox"/> sipfederationdns <input type="checkbox"/> sipfederationtcp	Contoso.com	<input type="checkbox"/> tcp <input type="checkbox"/> _us	5061	<input type="text"/> Av.contoso.com <input type="checkbox"/> Sip.contoso.com <input type="checkbox"/> Wc.contoso.com
<input type="checkbox"/> sip <input type="checkbox"/> sipfederationdns <input type="checkbox"/> sipfederationtcp	Contoso.com	<input type="checkbox"/> tcp <input type="checkbox"/> tls	443	<input type="text"/> Av.contoso.com <input type="checkbox"/> Sip.contoso.com <input type="checkbox"/> Wc.contoso.com

Explanation:**Note:**

- * the Edge generally only listens on port 5061 if you have Federation enabled

- * Port, protocol and firewall requirements for federation with Microsoft Lync Server 2013, Lync Server 2010 and Office Communications Server are similar to those for the deployed Edge Server. Clients initiate communication with the Access Edge service over TLS/SIP/TCP 443. Federated partners however, will initiate communications to the Access Edge service over MTLS/SIP/TCP 5061.

Reference: Port Summary - Lync Server and Office Communications Server Federation

Question: 38**HOTSPOT**

You plan to deploy Lync Server 2013. The deployment will have two sites named Site1 and Site2. Site1 will contain the following components:

- One Persistent Chat Server pool that has compliance enabled
- Two Enterprise Edition Front End pools
- One Edge pool

Site2 will contain the following components:

- One Enterprise Edition Front End pool
- One Standard Edition Front End pool
- One Edge pool

You need to identify the minimum number of SQL Server servers that must be deployed to each site to support the planned Lync Server 2013 deployment.

How many servers should you identify for each site?

To answer, configure the appropriate number of SQL Server servers for each site in the answer area.

Answer Area

Number of SQL Server servers for Site1:

Number of SQL Server servers for Site2:

Answer Area

Number of SQL Server servers for Site1:

 0
1
2
3
4
5

Number of SQL Server servers for Site2:

 0
1
2
3
4
5

Answer:

Answer Area

Number of SQL Server servers for Site1:

 0
1
2
3
4
5

Number of SQL Server servers for Site2:

 0
1
2
3
4
5

Explanation:

Note:

- * The Lync Server 2013 Central Management store holds user data for all Enterprise Edition servers within a pool, and is designed to be located on a SQL Server -based Back End Server. As a centralized repository, the Central Management store cannot be installed on the same computer as any other Lync Server 2013 role. The Central Management store cannot reside on an Enterprise Edition server in the pool. The Central Management store is created automatically when you publish the topology for the first time and select to create the databases. The computer that you designate as the Back End Server must already be running SQL Server database software in order

for the installation to succeed.

Question: 39

HOTSPOT

Your company has two main offices. The main offices are located in Tokyo and Athens. The network contains an Active Directory forest named contoso.com. The offices connect to each other by using a WAN link. Each office connects directly to the Internet. You plan to deploy a Lync Server 2013 infrastructure that has federation enabled. You need to recommend a Lync Server 2013 topology for the planned deployment. The solution must ensure that each office uses its local Internet connection for federated communications with the company's external partners. What is the minimum number of Edge Servers, Federation routes, SIP domains, and Sites that you should you recommend? To answer, select the appropriate number of Edge Servers, Federation routes, SIP domains, and Sites in the answer area.

Answer Area

Edge Servers:

Federation routes:

SIP Domains:

Sites:

Answer Area

Edge Servers:

0
1
2
3
4

Federation routes:

0
1
2
3
4

SIP Domains:

0
1
2
3
4

Sites:

0
1
2
3
4

Answer:

Answer Area

Edge Servers:

0
1
2
3
4

Federation routes:

0
1
2
3
4

SIP Domains:

0
1
2
3
4

Sites:

0
1
2
3
4

Question: 40

You have a Lync Server 2013 infrastructure that contains three Enterprise Edition Front End pools named Pool1, Pool2, and Pool3. Pool1 and Pool2 are located in a data center in Montreal. Pool3 is located in a data center in Seattle. You need to recommend changes to the Lync Server 2013 infrastructure to ensure that all users can access Lync services if a data center fails. What should you recommend?

- A. Pair Pool1 and Pool3. Pair Pool2 and Pool3.
- B. Create a new pool named Pool4 in the Seattle data center. Pair Pool2 and Pool4. Pair Pool1 and Pool3.
- C. Create a new pool named Pool4 in the Seattle data center. Pair Pool3 and Pool4. Pair Pool1 and Pool2.
- D. Pair Pool1 and Pool2. Pair Pool2 and Pool3.

Answer: B

Explanation:

<http://technet.microsoft.com/en-us/library/jj204697.aspx>

Question: 41

HOTSPOT

You have a Lync Server 2013 infrastructure that is used for conferencing and Enterprise Voice. Only users who are enabled for Enterprise Voice can use the callback feature. Other users report that they cannot use the callback feature. You need to ensure that all of the users who are NOT enabled for Enterprise Voice can use the callback feature. What should you use from the Microsoft Lync Server 2013 Control Panel?

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

Lync Server 2013 Preview

The screenshot shows the Microsoft Lync Server 2013 Control Panel. The left sidebar contains a vertical list of navigation links: Home, Users, Topology, IM and Presence, Persistent Chat, Voice Routing, Voice Features, Response Groups, Conferencing, Clients, Federation and External Access, Monitoring and Archiving, and Network Configuration. The main content area is divided into several sections:

- User Information:** Welcome, Lync Administrator, View your roles.
- Resources:** Getting Started (First Run Checklist, Using Control Panel, Microsoft Lync Server 2013 (Preview)), Using Office 365.
- Top Actions:** Enable users for Lync Server, Edit or move users, View topology status, View Monitoring reports.
- Getting Help:** Downloadable Documentation, Online Documentation on TechNet Library, Lync Server Management Shell, Lync Server Management Shell Script Library, Lync Server Resource Kit Tools.
- Community:** Forums, Blogs.

Answer:

Question: 42

You have a Microsoft Office Communications Server 2007 R2 infrastructure that contains the following components:

- One Edge Server
- One XMPP Gateway
- One Archiving Server
- Two media gateways
- One Monitoring Server
- Two Mediation Servers
- One Group Chat Server
- One Standard Edition Front End Server

You plan to migrate the infrastructure to Lync Server 2013. You need to identify the minimum number of Lync Server 2013 servers required to maintain the functionality of the existing infrastructure. How many servers should you identify?

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

Answer: B

Explanation:

Note: Configure callback through Conferencing

Question: 43

DRAG DROP

You have a Lync Server 2013 infrastructure that contains two servers. The servers are configured as shown in the following table.

Server name	Role
Lync1.contoso.com	Front End Server
Lync2.contoso.com	Mediation Server

You deploy a new server named lync3.contoso.com. You plan to install the Edge Server role on Lync3. You need to identify which tasks must be performed to install the Edge Server role on Lync3. Which four actions should you identify?

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

Actions	Answer Area
On Lync3, install Lync Server 2013.	
From Lync1, modify the topology by using the Topology Builder.	
From Lync3, run the Import-CsConfiguration cmdlet.	
From Lync1, publish the topology by using the Topology Builder.	
From Lync1, run the Export-CsConfiguration cmdlet.	

Answer:

Actions	Answer Area
On Lync3, install Lync Server 2013.	From Lync1, modify the topology by using the Topology Builder.
From Lync1, modify the topology by using the Topology Builder.	From Lync1, publish the topology by using the Topology Builder.
From Lync3, run the Import-CsConfiguration cmdlet.	From Lync1, run the Export-CsConfiguration cmdlet.
From Lync1, publish the topology by using the Topology Builder.	On Lync3, install Lync Server 2013.
From Lync1, run the Export-CsConfiguration cmdlet.	

Explanation:

Note:

You install Lync Server 2013 on Edge Servers by using Lync Server Deployment Wizard. By running the Deployment Wizard on each Edge Server, you can complete most of the tasks required to set up the Edge Server. In order to deploy Lync Server 2013 on an Edge Server, you must have already run Topology Builder (see note 2 below) to define and

publish your Edge Server topology, and exported it to media that is available from the Edge Server.

To install an Edge Server

2. Log on to the computer on which you want to install your Edge Server as a member of the local Administrators group or an account with equivalent user rights and permissions.
3. Ensure that the topology configuration file you created using Topology Builder, and then exported and copied to external media, is available on the Edge Server (for example, access to the USB drive onto which you copied the topology configuration file, or verify access to the network share where you copied the file).
4. Start the Deployment Wizard.
5. In the Deployment Wizard, click Install or Update Lync Server System.
6. After the wizard determines the deployment state, for Step 1. Install Local Configuration Store, click Run and then do the following:
 - * In the Configure Local Replica of Central Management Store dialog box, click Import from a file (Recommended for Edge Servers), go to the location of the exported topology configuration file, select the .zip file, click Open, and then click Next.
 - * The Deployment Wizard reads the configuration information from the configuration file and writes the XML configuration file to the local computer.
 - * After the Executing Commands process is finished, click Finish.

Etc.

Note 2: To define the topology for a single Edge Server

1. Start Topology Builder: Click Start, click All Programs, click Microsoft Lync Server 2013, and then click Lync Server Topology Builder.
2. In the console tree, expand the site in which you want to deploy an Edge Server.
3. Right-click Edge pools, and then click New Edge Pool.
4. In Define the New Edge Pool, click Next.
5. In Define the Edge pool FQDN,

Note 3: Export-CsConfiguration

Exports your Lync Server topology, policies, and configuration settings to a file. Among other things, this file can then be used to restore this information to the Central Management store after an upgrade, a hardware failure, or some other issue has resulted in data loss. This cmdlet was introduced in Lync Server 2010.

Reference: Install Edge Servers; Define Your Edge Topology; Export-CsConfiguration

Question: 44

You have a Lync Server 2013 infrastructure that contains seven servers. The servers are configured as shown in the following table.

Server name	Pool name	Role
Server1	Pool01.contoso.com	Front End Server
Server2	Pool01.contoso.com	Front End Server
Server3	Pool02.contoso.com	Front End Server
Server4	Pool02.contoso.com	Front End Server
SQL1	Pool01.contoso.com	Microsoft SQL Server
SQL2	Pool01.contoso.com	Microsoft SQL Server
SQL3	Pool02.contoso.com	Microsoft SQL Server

You configure pool pairing and SQL Server database mirroring. SQL1 fails. You discover that an automatic failover fails to occur. You need to force a failover of the database. Which command should you run?

- A. invoke-csdatabasefailover -poolfqdn pool01.contoso.com -databasetype user -newprincipal primary
- B. Invoke-csdatabasefailover -poolfqdn pool02.contoso.com -databasetype user -newprincipal mirror
- C. Invoke-csdatabasefailover -poolfqdn pool02.contoso.com -databasetype user -newprincipal primary
- D. Invoke-csdatabasefailover -poolfqdn pool01.contoso.com -databasetype user -newprincipal mirror

Answer: D

Explanation:

<http://technet.microsoft.com/en-us/library/jj204744.aspx>

Question: 45

HOTSPOT

Your network contains an Active Directory domain named contoso.com. The domain contains a Lync Server 2013 infrastructure that has the Persistent Chat feature configured.

Persistent Chat is hosted by a Front End pool named pcpool.

You need to configure a chat room named Announcements to meet the following requirements:

- Only a user named user1@contoso.com can post messages to Announcements.
- Users from a group named group1 can view the messages in Announcements.

What should you run? (To answer, configure the appropriate parameters for the PowerShell command in the answer area.)

Set-CsPersistentChatRoom -Identity pcpool.contoso.com\Announcements

▼

-Managers
-Presenters

@{Add="sip:user1@contoso.com"} -Members @{Add="CN=group1,DC=contoso,DC=com"}

▼

-Type Auditorium
-Type Normal
-Privacy Closed
-Privacy Open

Answer:



Question: 46

You have a Lync Server 2013 infrastructure. The infrastructure contains two sites. The sites are located in New York and Rome. Each site has Enterprise Voice deployed and contains separate dial plans and voice policies. You plan to deploy dial-in conferencing to both sites. In each site, you create a dedicated conferencing policy. You assign the conferencing policies to the respective users in each site. You create a dial-in conferencing access number. When you attempt to assign a region to the number, you discover that the regions are unavailable. You need to ensure that you can add a region to the dial-in conferencing access number. What should you modify?

- A. The conferencing policies
- B. The meeting configuration settings
- C. The voice policies
- D. The dial plans

Answer: D

Question: 47

You plan to deploy a Lync Server 2013 infrastructure. The planned infrastructure will contain client computers that run Windows 8 and the Lync Windows Store app. You need to ensure that the computers can use the automatic client sign-in feature for the Lync Windows Store app. Which DNS records should you create?

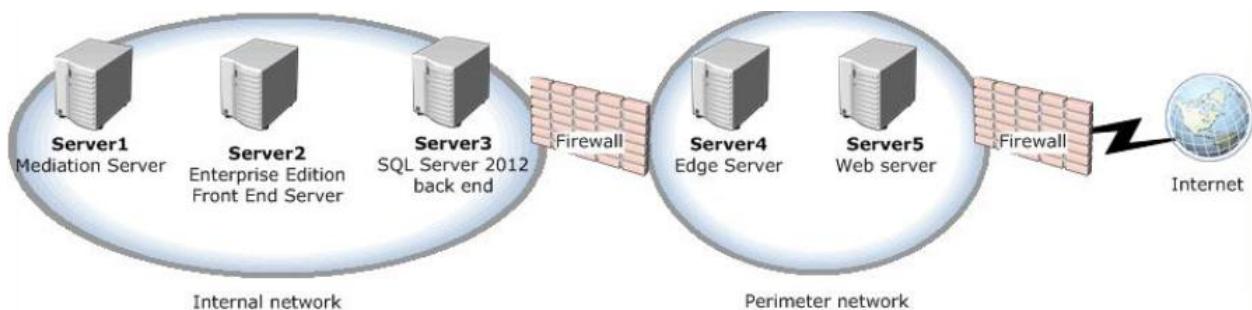
- A. sipinternal.contoso.com and sipexternal.contoso.com
- B. sip.contoso.com and sipinternal.contoso.com
- C. lyncdiscover.contoso.com and lyncdiscoverinternal.contoso.com
- D. _sipinternaltls._tcp.contoso.com and _sip._tls.contoso.com

Answer: C

Question: 48

HOTSPOT

You have a Lync Server 2013 infrastructure as shown in the exhibit. (Click the Exhibit button.)



The infrastructure contains an Enterprise Edition Front End pool. You plan to deploy Persistent Chat. You need to identify the placement of the components required for Persistent Chat. The solution must minimize the deployment of additional servers whenever possible. Where should you deploy the Persistent Chat components? (To answer, select the appropriate server to deploy each component in the answer area.)

Persistent Chat Front End Server:

- Server1
- Server2
- Server4
- Server5
- a new server on the internal network
- a new server on the perimeter network

Persistent Chat Server Store:

- Server1
- Server2
- Server3
- Server4
- Server5
- a new server on the internal network
- a new server on the perimeter network

Answer:

Persistent Chat Front End Server:

Server1
 Server2
 Server4
 Server5
 a new server on the internal network
 a new server on the perimeter network

Persistent Chat Server Store:

Server1
 Server2
 Server3
 Server4
 Server5
 a new server on the internal network
 a new server on the perimeter network

Question: 49

HOTSPOT

Your network contains an internal network and a perimeter network. You have a Lync Server 2013 infrastructure. The infrastructure contains four servers. The servers are configured as shown in the following table.

Server name	Role	Network
Lync01	Front End Server	Internal
Lync02	Front End Server	Internal
Lync03	Edge Server	Perimeter
Lync04	Edge Server	Perimeter

You plan to implement end-to-end logging by using the Centralized Logging Service. You need to configure the firewall rule required for the Centralized Logging Service. How should you configure the firewall rule? (To answer, configure the appropriate options in the answer area.)

Protocol:

TCP
UDP

Port:

443
3478
5061
5350 to 5389
50001 to 50003

Direction:

Inbound to the internal network
Outbound to the perimeter network

Answer:

Protocol:

TCP
UDP

Port:

443
3478
5061
5350 to 5389
50001 to 50003

Direction:

Inbound to the internal network
Outbound to the perimeter network

Question: 50**HOTSPOT**

You have a Lync Server 2013 infrastructure.

You plan to deploy Persistent Chat features to meet the following requirements:

- Support up to 50,000 concurrent users.
- Enable the Persistent Chat Server Compliance service.
- Ensure that all of the features are automatically available if a single server fails.

You need to identify the minimum number of Front End Servers and Microsoft SQL Server Back End Servers that are required for the planned deployment.

How many servers should you identify? (To answer, select the appropriate number of servers for each component in the answer area.)

Persistent Chat Front End Servers

A dropdown menu with the following options:

- 4
- 5
- 6
- 7
- 8

SQL Server Back End Servers

A dropdown menu with the following options:

- 1
- 2
- 3
- 4

Answer:

Persistent Chat Front End Servers

A dropdown menu with the following options:

- 4**
- 5
- 6
- 7
- 8

SQL Server Back End Servers

A dropdown menu with the following options:

- 1
- 2
- 3**
- 4

Question: 51

You have a Lync Server 2013 infrastructure. The infrastructure contains two servers. The servers are configured as shown in the following table.

Server name	Pool name	Role
Lyncfe01	Lyncfe01.contoso.com	Standard Front End Server
Lyncfe02	Lyncfe02.contoso.com	Standard Front End Server

Pool pairing is configured between lyncfe01 and lyncfe02. Currently, the Central Management store is hosted on lyncfe01.

A hardware failure occurs on Lyncfe01.

You manually perform a failover of all the user services and the Central Management store to Lyncfe02. You resolve the hardware issue on Lyncfe01. You need to restore all of the user services and the Central Management store to Lyncfe01. Which three commands should you run? (Each correct answer presents part of the solution. Choose three.)

- A. Invoke-CsPoolFallback -PoolFQDN lyncfe02.contoso.com
- B. Invoke-CsManagementServerFailover -BackupSqlServerFQDN lyncfe01.contoso.com -BackupSqlInstanceName RTC -Force
- C. Install CSDatabase -CentralManagementDatabase -SqlServerFqdn lyncfe01.contoso.com -SQLInstanceName RTC -

Clean

- D. Invoke-CsPoolFallback -PoolFQDN lyncfe01.contoso.com
- E. Move-CsManagementServer

Answer: ACE

Question: 52

You have a Lync Server 2013 infrastructure. You deploy mobility features. You need to ensure that mobile clients can establish IP video calls only when they connect to a wireless access point (WAP). Which cmdlet should you run?

- A. Set-CsConferencingPolicy
- B. Set-CsLocationPolicy
- C. Set-CsNetworkBandwidthPolicyProfile
- D. Set-CsMobilityPolicy
- E. Set-CsClientPolicy

Answer: B

Question: 53

You have a Lync Server 2010 and Lync Server 2013 infrastructure. The infrastructure contains Front End pools. Currently, all users use the Lync Server 2010 Front End pool. An administrator migrates a user to the Lync Server 2013 Front End pool. After the migration, the user can no longer access the whiteboards, the attachments, the poll data, and the Microsoft PowerPoint presentations that were uploaded to the meeting before the migration. You need to ensure that the PowerPoint presentations, the whiteboards, the attachments, and the poll data are moved when users migrate from Lync Server 2010 to Lync Server 2013. What should you do?

- A. Run the Move-CsUser cmdlet and specify the -ProxyPool parameter.
- B. Run the Move-CsLegacyUser cmdlet before you migrate the users.
- C. Run the Move-CsConferenceDirectory cmdlet before you migrate the users.
- D. Run the Move-CsUser cmdlet and specify the -MoveConferenceData parameter.

Answer: D

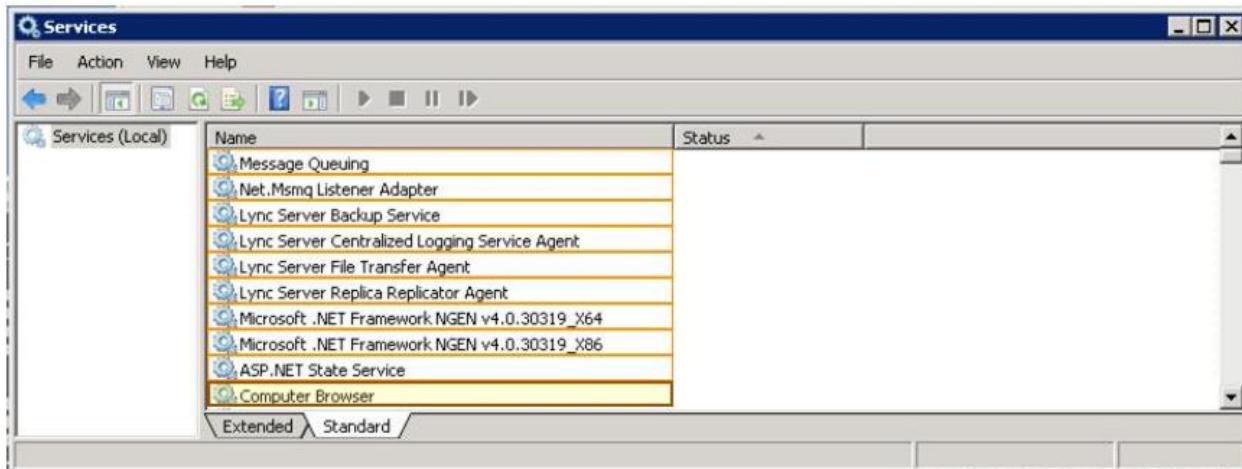
Question: 54

You have a Lync Server 2013 infrastructure. The infrastructure contains four Standard Edition Front End Servers and an Edge Server. You run Get-CsManagementStoreReplicationStatus | ft ReplicaFQDN, UpToDate and you receive the following output:

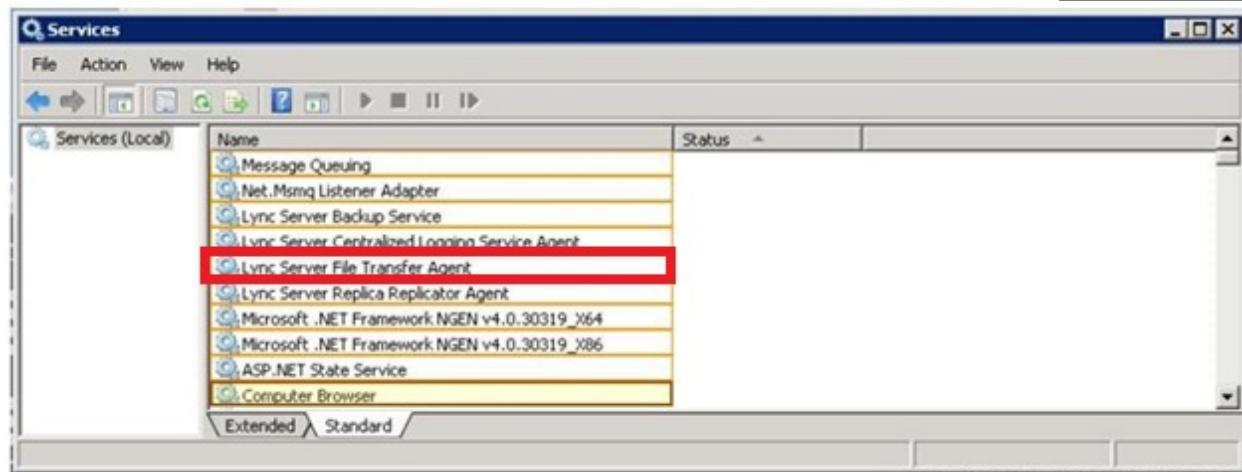
ReplicaFqdn	UpToDate
edge01.contoso.com	False
lyncfe01.contoso.com	False
lyncfe02.contoso.com	False
lyncfe03.contoso.com	False
lyncfe04.contoso.com	False

On the server responsible for the replication of the Central Management store, you discover that several services have stopped. You need to enable the replication of the Central Management store. Which service should you start?

(To answer, select the appropriate service in the answer area.)



Answer:



Case Study: 1

Contoso Ltd

Overview

General Overview

Contoso, Ltd. is an electronics parts company located in North American. The company has 4,400 employees.

Contoso recently bought a company named Litware, Inc. Litware has an office in New York.

Litware has a Lync Server 2010 infrastructure and has Microsoft Lync 2010 clients deployed to all of its client computers.

Physical Locations

Contoso has a main office and a satellite office. The main office is located in Toronto. The satellite office is located in Boston. The Toronto office has 4,200 users. The Boston office has 200 users.

All offices connect to each other by using a WAN link.

Only the Toronto office connects directly to the Internet.

Existing Environment

Active Directory Environment

Contoso has an Active Directory forest named contoso.com. The forest contains a single domain. All domain

controllers run Windows Server 2008 R2.

Lync Server Environment

Contoso has a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2013 organization. The Lync Server 2013 infrastructure contains an Enterprise Edition Front End pool named Pool1. The network contains five servers. The servers are configured as shown in the following table.

Server name	Role	Location
Lync1	Front End Server in Pool1	Toronto
Edge1	Edge Server	Toronto
Exchange1	Mailbox server Client Access server	Toronto
Server1	Member server	Toronto
SQL1	Back End Server	Toronto

The Lync Server infrastructure currently uses the names shown in the following table.

Name	Use
Pool1.contoso.com	Enterprise Edition Front End pool FQDN
Meet.contoso.com	Simple URL for meetings
Webext.contoso.com	External web services FQDN

All users can remotely access the Lync Server services from a client computer. The users cannot access the Lync Server services from a mobile device.

Some of the users have Lync 2010 installed. Most of the users run Lync 2013.

Problems Statements

Contoso identifies the following business issues:

- Users in the Boston office report that there are delays in the audio stream during conferences and that the audio frequently drops. Users in the other offices do not report this issue.
- Users cannot share Microsoft PowerPoint presentations during web conferences. Users can share other documents.
- All of the users in the Toronto office report that they receive the following error message from Lync 2013: "Lync can't connect to Exchange. You might experience Contact list issues".

Requirements

Planned Changes

Contoso plans to implement the following changes:

- Implement the unified contact store.
- Deploy the Office Web Apps component.
- Add a second Front End Server named Lync2 in the Toronto office.
- Access Lync Server services by using mobile devices from the internal network and from the Internet.
- Implement direct federation with Litware and other business partners. All federated domains will have to be defined explicitly.

Administrative Requirements

A support technician named Techl must be able to perform all of the tasks currently performed by the members of the CSHelpDesk group. Additionally, Techl must also be able to edit conferencing policies.

Web Conferencing Requirements

Contoso identifies the following requirements for web conferencing:

- Users from Litware must be able to download the content of web conferences.
- Users must be able to share PowerPoint presentations during web conferences.
- Users from Litware must be able to record web conferences.
- A URL that points to a disclaimer must be provided.

Mobility Requirements

Contoso plans to provide all users the ability to connect by using mobile devices. When users connect from a mobile device, they must download their server settings automatically.

Question: 1

Which two tasks should be performed to meet the administrative requirements for Tech1? (Each correct answer presents part of the solution. Choose two.)

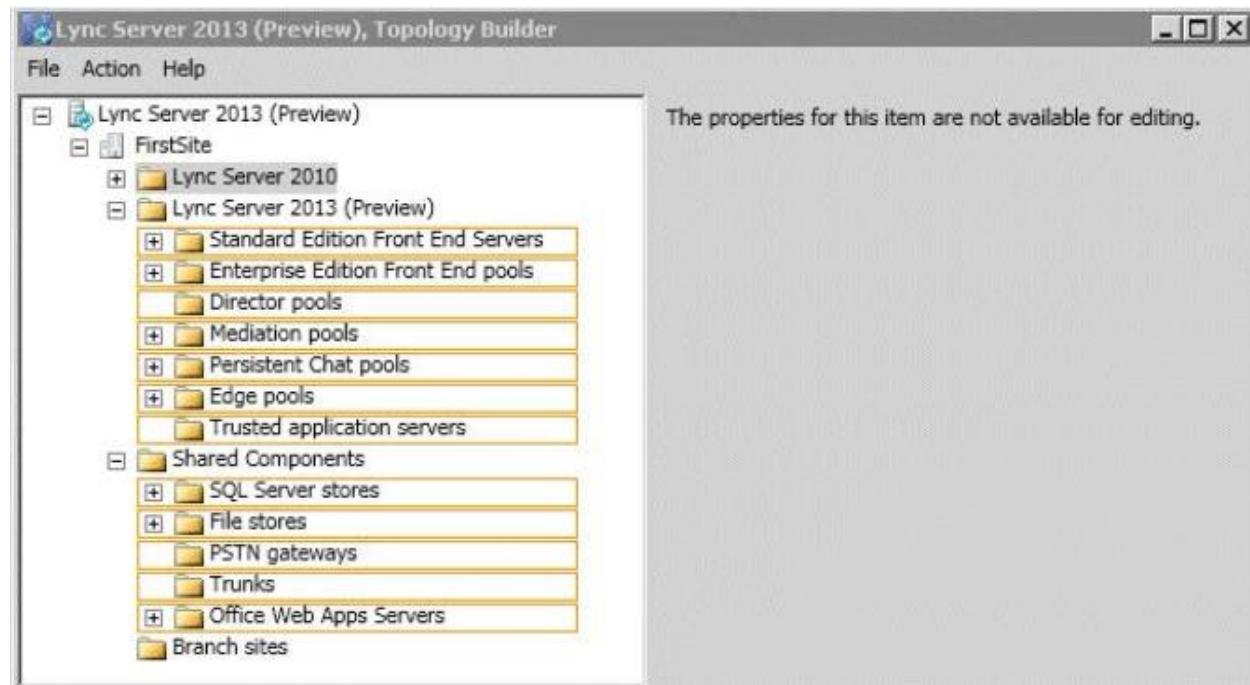
- A. Modify the permissions of the RTCUniversalServerAdmins group.
- B. Run the New-CsAdminRole cmdlet.
- C. Run the Update-CsAdminRole cmdlet.
- D. Create a new universal security group and add Tech1 to the group.
- E. Create a new global security group and add Tech1 to the group.

Answer: BD

Question: 2

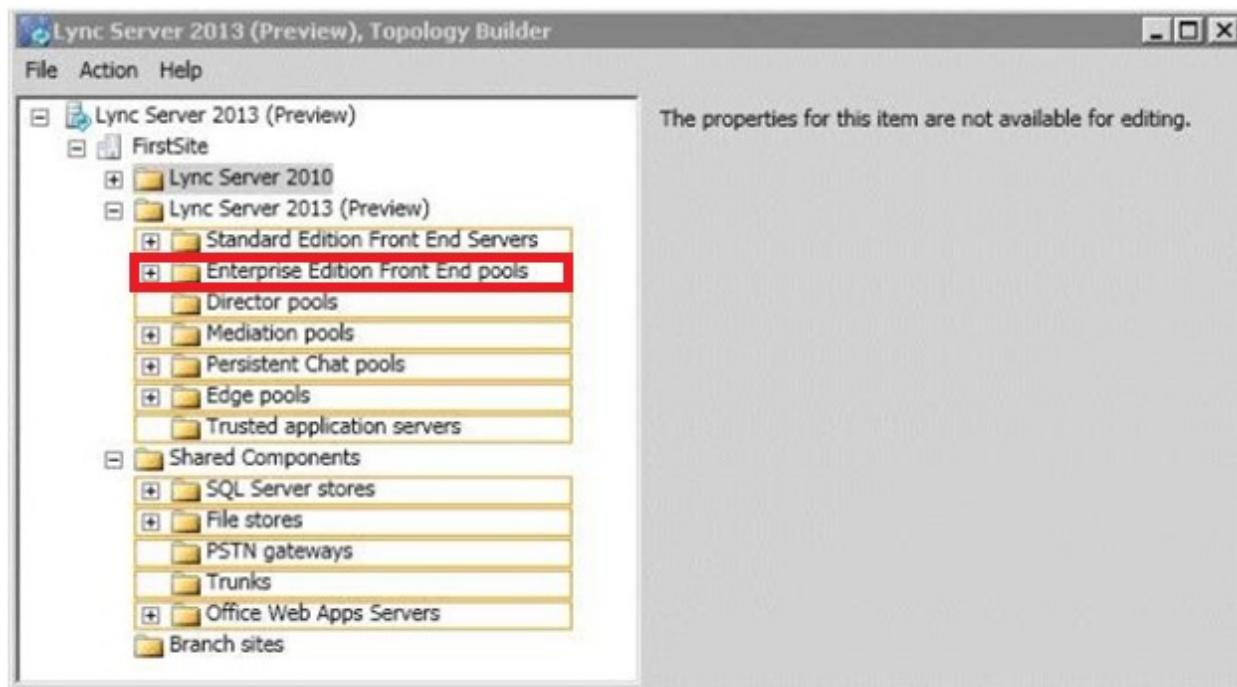
HOTSPOT

You need to modify the FQDN of the external web services. From which node should you perform the modification? To answer, select the appropriate node in the answer area.



The properties for this item are not available for editing.

Answer:



Explanation:

Configure Web Services

1. Log on to the computer where Topology Builder is installed as a member of the Domain Admins group and the RTCUniversalServerAdmins group.
2. Start Topology Builder: Click Start, click All Programs, click Microsoft Lync Server 2013, and then click Lync Server Topology Builder.
3. In Topology Builder, in the console tree under Standard Edition Front End Servers, Enterprise Edition Front End pools, and Directory pools, select the pool name. Right-click the name, click Edit Properties, and then click Web Services.
4. Add or edit the External Web Services FQDN, and then click OK.

Question: 3

You are evaluating the implementation of a reverse proxy for Contoso. You plan to create a certificate for the reverse proxy. You need to identify which names must be included in the certificate. Which three names should you identify? (Each correct answer presents part of the solution. Choose three.)

- A. edge.contoso.com
- B. meet.contoso.com
- C. Pool1.contoso.com
- D. lyncdiscover.contoso.com
- E. webext.contoso.com
- F. lyncdiscoverinternal.contoso.com

Answer: ACF

Question: 4

You need to recommend a solution to resolve the audio issues for the users in the Boston office. Which three possible recommendations should you include in the solution? (Each correct answer presents a complete solution. Choose

three.)

- A. User services
- B. Call Admission Control (CAC)
- C. Quality of Service (QoS)
- D. A conferencing policy
- E. A location policy

Answer: BCE

Question: 5

You are evaluating the implementation the second Front End Server. You need to recommend which common name must be used for the certificate that will be installed on Lync2. Which name should you recommend using?

- A. *.contoso.com
- B. lync2.contoso.com
- C. lyncdiscover.contoso.com
- D. pool1.contoso.com

Answer: D

Question: 6

You are planning the implementation of the unified contact store. You need to identify which clients can be used to read the contact list and which clients can be used to modify the contact lists. Which clients should you identify? To answer, select the correct actions for each client in the answer area.

Client	Read contact lists	Modify contact lists
Microsoft Outlook 2013	<input type="checkbox"/>	<input type="checkbox"/>
Outlook Web App	<input type="checkbox"/>	<input type="checkbox"/>
Lync 2010	<input type="checkbox"/>	<input type="checkbox"/>
Lync 2013	<input type="checkbox"/>	<input type="checkbox"/>

Answer:

Client	Read contact lists	Modify contact lists
Microsoft Outlook 2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Outlook Web App	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lync 2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lync 2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Question: 7**DRAG DROP**

You are troubleshooting the issue reported by the Toronto users. You verify that the logging level of the centralized logging service is set to AlwaysOn. You need to gather additional troubleshooting information immediately to resolve the issue. Which five actions should you perform?

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

Actions	Answer Area
Sign in to Lync 2013 from a client computer in the Toronto office.	
Run the clscontroller.exe -search command.	
Run the clscontroller.exe -start command.	
Run the clscontroller.exe -flush command.	
Run the clscontroller.exe -stop command.	

Answer:

Actions	Answer Area
	Run the clscontroller.exe -search command.
	Run the clscontroller.exe -start command.
	Sign in to Lync 2013 from a client computer in the Toronto office.
	Run the clscontroller.exe -stop command.
	Run the clscontroller.exe -flush command.

Explanation:

Run the `clscontroller.exe -search` command.
Run the `clscontroller.exe -start` command.
Sign in to Lync 2013 from a client computer in the Toronto office.
Run the `clscontroller.exe -stop` command.
Run the `clscontroller.exe -flush` command.

Question: 8

Contoso is evaluating the implementation of push notifications for mobile devices. You need to identify which tasks must be performed to enable the push notifications. Which three cmdlets should you identify? (Each correct answer presents part of the solution. Choose three.)

- A. `Enable-CsPublicProvider`
- B. `New-CsHostingProvider`
- C. `Set-CsPublicProvider`
- D. `New-CsAllowedDomain`
- E. `Set-CsPushNotificationConfiguration`

Answer: ACD

Question: 9

You need to identify on which server you can install the Microsoft Office Web Apps server component. Which server should you identify?

- A. `Lync1.contoso.com`
- B. `Server1.contoso.com`
- C. `Exchange1.contoso.com`
- D. `SQL1.contoso.com`

Answer: B

Question: 10

DRAG DROP

You need to identify which configurations must be used to meet the web conferencing requirements. Which configuration should you identify for each requirement?

To answer, drag the appropriate configuration to the correct requirement in the answer area. Each configuration may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Configurations	Answer Area
A client policy	Users from Litware must be able to download the content of web conferences. <input type="button" value="Configuration"/>
A conferencing policy	Users must be able to share PowerPoint presentations during web conferences. <input type="button" value="Configuration"/>
A meeting configuration	Users from Litware must be able to record web conferences. <input type="button" value="Configuration"/>
	A URL that points to a disclaimer must be provided. <input type="button" value="Configuration"/>

Answer:

Configurations	Answer Area
A client policy	Users from Litware must be able to download the content of web conferences. <input type="button" value="A conferencing policy"/>
A conferencing policy	Users must be able to share PowerPoint presentations during web conferences. <input type="button" value="A meeting configuration"/>
A meeting configuration	Users from Litware must be able to record web conferences. <input type="button" value="A meeting configuration"/>
	A URL that points to a disclaimer must be provided. <input type="button" value="A conferencing policy"/>

Explanation:

- Box 1: A conferencing policy
- Box 2: A meeting configuration
- Box 3: A meeting configuration
- Box 4: A conferencing policy

Note:

* Among other things, client policies help determine the features of Lync Server that are available to users; for example, you might give some users the right to transfer files while denying this right to other users.

In Lync Server, client policies replace the Group Policy settings used in previous versions of the product.

* Conferencing policy is a user account setting that specifies the conferencing experience for participants.

Conferencing policies determine the features and capabilities that can be used in a conference; this includes everything from whether or not the conference can include IP audio and video to the maximum number of people who can attend a meeting.

Example:

The command shown in the Example modifies a property value of the conferencing policy SalesConferencingPolicy; in particular, the command sets the value of the AllowConferenceRecording property to False. To do this, Set-

CsConferencingPolicy is called along with the Identity parameter and the AllowConferenceRecording parameter.

Set-CsConferencingPolicy -Identity SalesConferencingPolicy -AllowConferenceRecording \$False

* Meeting configuration settings help dictate the type of meetings (also called "conferences") that users can create, as well as control how (or even if) anonymous users and dial-in conferencing users can join these meetings.

In this scenario the meeting configuration applies to:

The following customizations can be made for meeting invitations:

- Adding Your Organization's Logo
- Adding a Custom Help or Support Link
- Adding a Custom Legal Disclaimer Text
- Adding a Custom footer text

Customizations are made within the Meeting Configuration settings and can be scoped on a Global, Site, or Pool level.

Case Study: 2

Margie's Travel

Overview

General Overview

Margie's Travel is an executive travel company that has 7,000 employees.

The company has a sales department and a research department.

Physical Locations

The company has a main office and two branch offices. The main office is located in Montreal. The branch offices are located in New York and Seattle.

The number of users in each office is shown in the following table.

Office location	Number of users
Montreal	5,500
New York	800
Seattle	700

All offices connect to each other by using a WAN link.

Existing Environment

Active Directory Environment

The network contains one Active Directory forest named margiestravel.com. Each office is configured as an Active Directory site.

Lync Server Environment

The company has a Lync Server 2010 infrastructure in the Montreal office. The network contains four servers. The servers are configured as shown in the following table.

Server name	Role	Software
Lync1	Front End Server in a pool named Pool1	Lync Server 2010
Edge1	Edge Server	Lync Server 2010
SQL1	Back End Server (cluster node in a cluster named Cluster1)	Microsoft SQL Server 2008 Service Pack 2 (SP2)
SQL2	Back End Server (cluster node in a cluster named Cluster2)	Microsoft SQL Server 2008 Service Pack 2 (SP2)

Lync Server 2013 Standard Edition is deployed in the Montreal office as a pilot on a separate network segment. You create several test users on the Lync Server 2013 pilot.

User Issue

An administrator modifies the global client version policy of the Lync Server 2013 pilot deployment. After the modification, Lync Server 2013 users report that they fail to sign in to Microsoft Lync 2010 and they receive the following error message.

Requirements

Planned Changes

After a successful pilot program, the company plans to deploy Lync Server 2013 on the production network for all users. The Lync Server 2013 deployment will include the following roles:

- Edge Server
- Front End Server
- Mediation Server
- Monitoring Server
- Office Web Apps Server

Lync Server 2013 and Lync Server 2010 will coexist for six month.

Monitoring Requirements

A monitoring solution must save call quality data for 180 days.

Backup Requirements

An administrator plans to perform a weekly manual backup of the Lync Server databases. The backup files will be copied to an offsite location.

Conferencing Requirements

The company plans to implement a conferencing solution to meet the following requirements:

- The company's executives must be able to create conferences that contain up to 250 participants.
- The company's managers must be able to create conferences that contain up to 50 participants.
- All other users must be prevented from creating conferences that contain more than 15 users.

Question: 1

DRAG DROP

You need to design the deployment of the planned Edge Server. Which four actions should you include in the design? To answer, move the four appropriate actions from the list of actions the correct order.

Actions	Answer Area
From the Topology Builder, save a copy of the topology.	
On the new Edge Server, run the Lync Server Deployment Wizard and select the .tbxml file as the source file.	
Run the Export-CsConfiguration cmdlet.	
From the Topology Builder, configure the new Edge pool.	
On the new Edge Server run the Lync Server Deployment Wizard and select the .zip file as the source file.	
From the Topology Builder, publish the topology.	

Answer:

Actions	Answer Area
From the Topology Builder, save a copy of the topology.	From the Topology Builder, configure the new Edge pool.
On the new Edge Server, run the Lync Server Deployment Wizard and select the .tbxml file as the source file.	From the Topology Builder, publish the topology.
Run the Export-CsConfiguration cmdlet.	Run the Export-CsConfiguration cmdlet.
From the Topology Builder, configure the new Edge pool.	On the new Edge Server run the Lync Server Deployment Wizard and select the .zip file as the source file.
On the new Edge Server run the Lync Server Deployment Wizard and select the .zip file as the source file.	
From the Topology Builder, publish the topology.	

Explanation:

Note:

You install Lync Server 2013 on Edge Servers by using Lync Server Deployment Wizard. By running the Deployment Wizard on each Edge Server, you can complete most of the tasks required to set up the Edge Server. In order to deploy Lync Server 2013 on an Edge Server, you must have already run Topology Builder (see note 2 below) to define and publish your Edge Server topology, and exported it to media that is available from the Edge Server.

To install an Edge Server

1. Log on to the computer on which you want to install your Edge Server as a member of the local Administrators group or an account with equivalent user rights and permissions.

2. Ensure that the topology configuration file you created using Topology Builder, and then exported and copied to external media, is available on the Edge Server (for example, access to the USB drive onto which you copied the topology configuration file, or verify access to the network share where you copied the file).

3. Start the Deployment Wizard.

4. In the Deployment Wizard, click Install or Update Lync Server System.

5. After the wizard determines the deployment state, for Step 1. Install Local Configuration Store, click Run and then do the following:

* In the Configure Local Replica of Central Management Store dialog box, click Import from a file (Recommended for Edge Servers), go to the location of the exported topology configuration file, select the .zip file, click Open, and then click Next.

* The Deployment Wizard reads the configuration information from the configuration file and writes the XML configuration file to the local computer.

* After the Executing Commands process is finished, click Finish.

6.

7.

Etc.

Note 2: To define the topology for a single Edge Server

1. Start Topology Builder: Click Start, click All Programs, click Microsoft Lync Server 2013, and then click Lync Server Topology Builder.
2. In the console tree, expand the site in which you want to deploy an Edge Server.
3. Right-click Edge pools, and then click New Edge Pool.
4. In Define the New Edge Pool, click Next.
5. In Define the Edge pool FQDN,

Note 3: Export-CsConfiguration

Exports your Lync Server topology, policies, and configuration settings to a file. Among other things, this file can then be used to restore this information to the Central Management store after an upgrade, a hardware failure, or some other issue has resulted in data loss. This cmdlet was introduced in Lync Server 2010.

Reference: Install Edge Servers; Define Your Edge Topology; Export-CsConfiguration

Question: 2

HOTSPOT

You need to resolve the user issue. Which rule should you modify in the client version policy? To answer, select the appropriate rule in the answer area.

User agent	Version	Operation	Action
RTC	1.3.*	Older than or same as	Block
WM	5.*.*	Older than or same as	Block
OC	3.5.6907.233	Older than	Block
OC	3.9999.9999.9999	Older than or same as	Allow
OC	4.0.7577.314	Older than	Block
OC	4.9999.9999.9999	Older than or same as	Allow
OC	15.0.3612.1010	Newer than	Block
UCCP	2.0.5999.*	Older than or same as	Block

Answer:

Edit Client Version Policy - Global

Commit **Cancel**

Scope: Global

Name: * Global

Description:

User agent	Version	Operation	Action
RTC	13.*.*	Older than or same as	Block
WM	5.*.*	Older than or same as	Block
OC	3.5.6907.233	Older than	Block
OC	3.9999.9999.9999	Older than or same as	Allow
OC	4.0.7577.314	Older than	Block
OC	4.9999.9999.9999	Older than or same as	Allow
OC	15.0.3612.1010	Newer than	Block
UCCP	2.0.5999.*	Older than or same as	Block

Explanation:

Note: Lync has a Client Version Policy that allows you to allow or reject registrations from certain client versions. Here the Lync server 2013 clients are blocked because they have too new version number.

Question: 3

You are evaluating the implementation of SQL Server database mirroring on new SQL Server servers for the planned Lync Server 2013 deployment. You need to recommend which tasks must be performed to prepare SQL Server database mirroring for Lync Server 2013. Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)

- A. Run the Update-CsUserDatabase cmdlet.
- B. Run the Invoke-CsDatabaseFailover cmdlet.
- C. On the Front End Servers, install Failover Clustering.
- D. From the Topology Builder, create a new Enterprise Edition Front End pool and a new SQL Server database, SQL Server database mirroring, and a witness.
- E. On the SQL Server servers, install Failover Clustering.
- F. From the Topology Builder, publish the topology and install the databases.

Answer: AB

Explanation:

<http://technet.microsoft.com/en-us/library/jj204992.aspx>

Question: 4

You need to configure the conferencing settings to support the conferencing requirements and the business requirements. What should you do?

- A. Modify the global conferencing policy. Create a site-level conferencing policy for the managers and a site-level conferencing policy for the executives.
- B. Create a per-user conferencing policy for all users, a per-user conferencing policy for the managers, and a per-user conferencing policy for the executives.
- C. Modify the global conferencing policy. Create a per-user conferencing policy for the managers and a per-user conferencing policy for the executives.
- D. Create a site-level conferencing policy for all users, a site-level conferencing policy for the managers, and a per-user conferencing policy for the executives.

Answer: C

Question: 5

The company is planning to implement help and support resources for users that use the Lync Server 2013 conferencing features. You need to ensure that the users can access the help and support resources by clicking a URL from a meeting invitation. What should you do?

- A. Run the Set-CsConferenceDisclaimer cmdlet.
- B. From the Microsoft Lync Server 2013 Control Panel, modify the conferencing policy settings.
- C. Run the Set-CsMeetingRoom cmdlet.
- D. From the Microsoft Lync Server 2013 Control Panel, modify the meeting configuration settings.

Answer: A

Question: 6

HOTSPOT

You are evaluating how many servers are required for the planned Lync Server 2013 deployment. You need to identify which components can be collocated on the Front End Servers and which components must be installed on a new server. Which components should you identify for which servers? To answer, configure the appropriate components in the answer area.

Answer Area

Edge Server	<input type="text"/>
Mediation Server	<input type="text"/>
Monitoring Server	<input type="text"/>
Office Web Apps server	<input type="text"/>

Answer Area

Edge Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Mediation Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Monitoring Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Office Web Apps server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server

Answer:

Answer Area

Edge Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Mediation Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Monitoring Server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server
Office Web Apps server	<input type="button" value="▼"/>
	Can be collocated on Front End Server Must be installed on a separate server

Question: 7

You are evaluating the implementation of the planned monitoring solution. You need to recommend which tasks must be performed to meet the monitoring requirements. Which cmdlet should you include in the recommendation?

- A. Set-CsArchivingConfiguration
- B. Set-CsQoEConfiguration
- C. Set-CsCDRConfiguration
- D. Set-CsHealthMonitoringConfiguration

Answer: B

Question: 8

You need to recommend which task must be performed to meet the backup requirements. Which cmdlet should you recommend using?

- A. Export-CsConfiguration
- B. Backup-CsPool
- C. Restore-CsDatabase
- D. Export-CsUserData

Answer: C

Question: 9

Which cmdlet should you run to move the users to the planned Lync Server 2013 infrastructure?

- A. Move-CsManagementServer
- B. Move-CsLegacyUser
- C. Move-ADObject
- D. Move CsUser

Answer: D

Explanation:

<http://technet.microsoft.com/en-us/library/gg398528.aspx>

Question: 10

You need to recommend changes to the existing SQL Server environment to support Lync Server 2013 during the coexistence period. What should you recommend?

- A. Upgrade to SQL Server 2008 R2 on the existing servers that have SQL Server deployed.
- B. Upgrade to SQL Server 2012 on the existing servers that have SQL Server deployed.
- C. Create a new SQL Server instance on the existing servers that have SQL Server deployed.
- D. Implement a new server that has SQL Server 2012 deployed.

Answer: D

Case Study: 3

Litware, Inc

Overview

General Overview

Litware, Inc., is an international manufacturing company that has 4,000 employees. The company has a sales department, a marketing department, a research department, and a human resources department.

Litware has a partner company named Fabrikam, Inc. Fabrikam has an office in Paris. Fabrikam uses a XMPP-based instant messaging (IM) solution.

Physical Locations

Litware has seven offices located throughout North America and Europe.

Litware has two data centers. The data centers are located in New York and London. All communications for the North American offices are routed through the New York data center.

All communications for the European offices are routed through the London data center.

The number of users in each office is shown in the following table.

Office location	Number of users
New York	1,500
Miami	50
Los Angeles	60
London	1,500
Frankfurt	50
Barcelona	75
Amsterdam	80

Existing Environment

Active Directory Environment

Litware has an Active Directory forest named litwareinc.com. The forest contains a single domain. All domain controllers run Windows Server 2008 R2.

Each office contains five domain controllers. Each office is configured as an Active Directory site. **Lync Server Environment**

Litware has a Lync Server 2010 infrastructure that contains two servers in the New York office. The servers are configured as shown in the following table.

Server name	Role
Lync1	Standard Edition Front End Server
Lync2	Edge Server

The SIP domain is litwareinc.com.

Litware has a Microsoft Exchange Server 2013 organization.

Problem Statements

Users in the London office report poor video quality during conferences.

Requirements

Business Goals

Litware wants to minimize the costs associated with purchasing hardware and software.

Planned Changes

Litware plans to migrate the Lync Server 2010 infrastructure to Lync Server 2013. The migration will have a coexistence period of six months.

Litware plans to implement the following components as part of the planned migration:

- Persistent Group Chat
- The unified contact store
- Enterprise Voice for all users
- A central site in each data center
- A branch site in each branch office
- A Front End pool in each central site
- Microsoft Lync Phone Edition devices

- Pool pairing

Litware plans to create a federation relationship with Fabrikam.

Technical Requirements

Litware identifies the following technical requirements for the planned migration:

- Users must be able to use all Lync Server features if a single server fails.
- Users must be able to connect to the Lync Server infrastructure if a single central site fails.
- Members of a group named Temp_Contractors must be prevented from using Microsoft Lync 2013 when they connect remotely.
- Only users in the human resources department must be able to access and discover a persistent chat room named HRConfidential.

Security Requirements

Litware plans to deploy remote access. Some users work remotely from their customers' offices, which have firewall restrictions. All of the remote users must be able to connect to the Lync Server infrastructure by using TCP port 443.

Question: 1

DRAG DROP

You are planning the Lync Server 2013 migration. You need to identify which management tools must be used to achieve the following migration tasks during the coexistence period:

Move users from Lync Server 2010 to Lync Server 2013.

Add a server that has Lync Server 2013 deployed to the topology.

Remove a server that has Lync Server 2010 deployed from the topology.

Which tools should you identify?

To answer, drag the appropriate management tools to the correct migration task in the answer area. Each tool may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Management Tools	Answer Area
<input type="checkbox"/> Lync Server 2010 Topology Builder	Move users from Lync Server 2010 to Lync Server 2013. <input type="checkbox"/> Management tool
<input type="checkbox"/> Lync Server 2013 Topology Builder	Add a server that has Lync Server 2013 deployed to the topology. <input type="checkbox"/> Management tool
<input type="checkbox"/> Microsoft Lync Server 2010 Control Panel	Remove a server that has Lync Server 2010 deployed from the topology. <input type="checkbox"/> Management tool
<input type="checkbox"/> Microsoft Lync Server 2013 Control Panel	

Answer:

Management Tools	Answer Area
<input type="checkbox"/> Lync Server 2010 Topology Builder	Move users from Lync Server 2010 to Lync Server 2013. <input checked="" type="checkbox"/> Lync Server 2013 Topology Builder <input type="checkbox"/>
<input type="checkbox"/> Lync Server 2013 Topology Builder	Add a server that has Lync Server 2013 deployed to the topology. <input checked="" type="checkbox"/> Microsoft Lync Server 2013 Control Panel <input type="checkbox"/>
<input type="checkbox"/> Microsoft Lync Server 2010 Control Panel	Remove a server that has Lync Server 2010 deployed from the topology. <input checked="" type="checkbox"/> Microsoft Lync Server 2010 Control Panel <input type="checkbox"/>
<input type="checkbox"/> Microsoft Lync Server 2013 Control Panel	

Explanation:

- 1) Lync Server 2013 Topology Builder
- 2) Microsoft Lync Server 2013 Control Panel
- 3) Microsoft Lync Server 2013 Control Panel

Note:

/ You can move a single user or groups of users to your new Microsoft Lync Server 2013 deployment using the following two methods: Lync Server Control Panel and Lync Server Management Shell.

/ The deployment of Lync Server 2013 requires using Topology Builder to define your topology and the components you want to deploy, preparing your environment for deployment of the Lync Server 2013 components, publishing your topology design on the first Front End Server, and then installing and configuring Lync Server 2013 software for the components for your deployment.

To remove a Front End Server from a pool

1. Open the Lync Server 2013 Front End Server, open Topology Builder.
2. Navigate to the Lync Server 2010 node.
3. Expand Enterprise Edition Front End pools, expand the Front End pool with the Front End Server that you want to remove, right-click the Front End Server that you want to remove, and then click Delete.

Reference: Migration from Lync Server 2010 to Lync Server 2013

Question: 2

DRAG DROP

You are evaluating the deployment of the Persistent Chat feature. You need to recommend which tasks must be performed to create HRConfidential. Which three actions should you recommend?

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
Set the privacy of the chat room to Secret .	
Set the privacy of the chat room to Closed .	
Create a category and set the scope of the category.	
Run the New-CsPersistentChatPolicy cmdlet.	
Run the New-CsPersistentChatRoom cmdlet.	

Answer:

Actions	Answer Area
<p>Set the privacy of the chat room to Closed.</p>	<p>Create a category and set the scope of the category.</p>
<p>Run the New-CsPersistentChatRoom cmdlet.</p>	<p>Run the New-CsPersistentChatRoom cmdlet.</p>
<p>Run the New-CsPersistentChatPolicy cmdlet.</p>	<p>Set the privacy of the chat room to Secret.</p>

Explanation:

- A) Create a category and set the scope of the category.
- B) Run the New-CsPersistentChatRoom cmdlet.
- C) Set the privacy of the chat room to Secret.

Note:

- * From the scenario we have: Only users in the human resources department must be able to access and discover a persistent chat room named HRConfidential
- * Select a privacy setting for your room from the three options:

Open – Anyone will be able to find this room (via search), open it, and read and write in (“post to”) it. Open rooms have no “membership” per se.

Closed – Non-members will be able to find this room and see who is a member, but only members will be able to open the room, read or post to it. (This is the default setting.)

Secret – on-members won’t be able to find this room, learn who has membership in it, or read or post to it.

* **New-CsPersistentChatRoom**

Creates a new Persistent Chat chat room. A chat room is a discussion forum that typically revolves around a specific topic.

* **New-CsPersistentChatPolicy**

Creates a new Persistent Chat policy at the site or the per-user scope. Persistent Chat policies determine whether or not users are allowed access to Persistent Chat chat rooms.

Question: 3

DRAG DROP

You need to recommend which Lync Server 2013 components must be deployed to support the planned changes. The solution must meet the technical requirements. Which components should you recommend?

To answer, drag the appropriate components to the correct site in the answer area. Each component may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Components	Answer Area
Director server	Each central site Component
Edge Server	Component
Enterprise Edition Front End Server	Component
Mediation Server	Component
Persistent Chat Server	Component
Standard Edition Front End Server	Component
Survivable Branch Appliance	Each branch site Component

Answer:

Components	Answer Area
Director server	Each central site Standard Edition Front End Server
Enterprise Edition Front End Server	Edge Server
	Mediation Server
	Persistent Chat Server
	Each branch site Survivable Branch Appliance

Explanation:**Each central site:**

Box 1: Standard Edition Front End Server

Box 2: Edge Server

Box 3: Mediation Server

Box 4: Persistent Chat Server

Each branch site:

Box 1: Survivable Branch Appliance

Note:

* Needed: Servers running Lync Server 2013, Enterprise Edition are intended for large organizations as the main organizational deployment. Enterprise Edition server is designed to scale to approximately 80,000 homed users per pool. Servers running Lync Server 2013, Standard Edition are intended for smaller organizations and remote locations from the main organization deployment with a user count of approximately 5000 homed users.

* Needed: Edge Server or Edge pool in your perimeter network, if you want your deployment to support federated partners, public IM connectivity, an extensible messaging and presence protocol (XMPP) gateway, remote user access, participation of anonymous users in meetings, or Exchange Unified Messaging (UM).

You need an Edge Server to support Enterprise Voice.

- * Your deployment must include at least one central site (also known as a data center). Each central site must contain at least one Enterprise Edition Front End pool or one Standard Edition server.
 - * needed: Mediation Server or pool, if you want to support Enterprise Voice or dial-in conferencing in a Front End pool at the central site.
 - * needed: Persistent Chat Server, if you want to users to be able to participate in multiparty, topic-based conversations that persist over time.
 - * Not needed: Director or Director pool, if you want to facilitate resiliency and redirection of Lync Server 2013 user requests to the user's home pool, which can be either an Enterprise Edition Front End pool or a Standard Edition server. We recommend that you deploy a Director or Director pool in each central site that supports external user access and in each central site in which you deploy one or more Front End pools.
 - * Lync Server 2013 introduces unified contact store. Unified contact store allows users to keep all their contact information in Microsoft Exchange Server 2013.
 - * A branch site is associated with a central site, and each Survivable Branch Appliance in a branch site is associated with an Enterprise Edition Front End pool or a Standard Edition server in the associated central site. Branch sites depend on the central site for most of their functionality, so components at a branch site contain only the following:
 - / A Survivable Branch Appliance
 - / A Survivable Branch Server
- Reference: Supported Lync Server 2013 Topologies

Question: 4

You need to recommend a remote access solution for each central site. The solution must meet the security requirements and the technical requirements. What are two possible recommendations that achieve the goal? (Each correct answer presents a complete solution. Choose two.)

A.

- Deploy two Edge Servers that are load balanced by using DNS load balancing.
- Deploy a network address translation (NAT) solution.
- Assign one public IP address to each Edge Server service on each Edge Server.

B.

- Deploy two Edge Servers that are load balanced by using a hardware load balancer.
- Assign one public IP address to each Edge Server service on each Edge Server.
- Assign three public IP addresses to the hardware load balancer.

C.

- Deploy two Edge Servers that are load balanced by using a hardware load balancer.
- Deploy a network address translation (NAT) solution.
- Assign one public IP address to each Edge Server.

D.

- Deploy two Edge Servers that are load balanced by using a hardware load balancer.
- Assign one public IP address to each Edge Server.
- Assign two public IP addresses to the hardware load balancer.

Answer: AB

Explanation:

<http://technet.microsoft.com/en-us/library/gg425716.aspx>

Question: 5

You need to plan for the implementation of the DHCP configurations for the Lync Phone Edition devices. Which three configurations should be applied to the Lync Phone Edition devices from DHCP? (Each correct answer presents part of the solution. Choose three.)

- A. The FQDN of the Lync Server pool registrar
- B. The IP address of a time server
- C. The URL of the certificate provisioning service of the Lync Server pool
- D. The IP address of a Mediation Server
- E. The SIP domain

Answer: ABC

Question: 6

You are evaluating a disaster recovery solution for the planned Front End pools. You need to recommend a solution for restoring access to the Central Management store if the Front End pool fails. Which cmdlet should you include in the recommendation?

- A. Invoke-CsManagementServerFailover
- B. Import-CsConfiguration
- C. Invoke-CsPoolFailover
- D. Move-CsManagementServer

Answer: A

Explanation:

<http://technet.microsoft.com/en-us/library/jj204647.aspx>

Question: 7

HOTSPOT

You are evaluating the implementation of an Edge Server. You need to identify which ports that must be open on the firewall to support the planned federation relationship. Which port should you open between the Internet and the planned Edge Server?

To answer, configure the appropriate protocol and port in the answer area.

Answer Area

Protocol

Port

Answer Area

Protocol

TCP
UDP

Port

5060
5061
5066
5269

Answer:

Answer Area

Protocol

A dropdown menu labeled "Protocol" containing two options: "TCP" and "UDP". The "TCP" option is highlighted with a red box.

Port

A dropdown menu labeled "Port" containing four options: "5060", "5061", "5066", and "5269". The "5269" option is highlighted with a red box.

Explanation:

Note:

Protocol/TCP or UDP/Port, Source (IP address), Destination (IP address), Comments

*XMPP/TCP/5269

IP address or addresses of XMPP federated partners

Access Edge External Standard server-to-server communication port for XMPP.

Allows communication to the Edge-deployed XMPP proxy from federated XMPP partners

*XMPP/TCP/5269

Access Edge External IP address or addresses of XMPP federated partners

Standard server-to-server communication port for XMPP.

Allows communication from the Edge-deployed XMPP proxy to federated XMPP partners

Question: 8

HOTSPOT

You need to identify which DNS record must be implemented for the planned federation relationship. Which DNS record should you identify?

To answer, select the appropriate configurations for the DNS record in the answer area.

Answer Area

Type of DNS record

Name of DNS record

Location

Answer Area

Type of DNS record

- Service Location (SRV)
- Test (TXT)

Name of DNS record

- _xmpp-server._tcp.litwareinc.com
- _sipfederationtls._tcp.litwareinc.com

Location

- External DNS zone
- Internal DNS zone

Answer:**Answer Area**

Type of DNS record

- Service Location (SRV)
- Test (TXT)

Name of DNS record

- _xmpp-server._tcp.litwareinc.com
- _sipfederationtls._tcp.litwareinc.com

Location

- External DNS zone
- Internal DNS zone

Question: 9**DRAG DROP**

You need to identify which tasks must be performed to move the Central Management store during the planned migration. 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
From a server that has Lync Server 2013 deployed, run the Enable-CsTopology cmdlet.	
From a server that has Lync Server 2013 deployed, run the Install-CsDatabase cmdlet.	
From Lync1, run the Move-CsManagementServer cmdlet.	
From a server that has Lync Server 2013 deployed, run the Move-CsManagementServer cmdlet.	
From Lync1, run the Export-CsConfiguration cmdlet.	

Answer:

Actions	Answer Area
	From a server that has Lync Server 2013 deployed, run the Install-CsDatabase cmdlet.
	From a server that has Lync Server 2013 deployed, run the Enable-CsTopology cmdlet.
From Lync1, run the Move-CsManagementServer cmdlet.	
From a server that has Lync Server 2013 deployed, run the Move-CsManagementServer cmdlet.	

Explanation:

Box 1: From a server that has Lync Server 2013 deployed, run the Install-CsDatabase cmdlet.

Box 2: From a server that has Lync Server 2013 deployed, run the Enable-CsTopology cmdlet.

Box 3: From Lync1, run the Export-CsConfiguration cmdlet

Note:

To move the Lync Server 2010 Central Management Server to Lync Server 2013

1. On the Lync Server 2013 server that will be the Central Management Server: Log on to the computer where the Lync Server Management Shell is installed as a member of the RTCUniversalServerAdmins group. You must also have the SQL Server database administrator user rights and permissions.

2. Open Lync Server Management Shell.

3. In the Lync Server Management Shell, type:

Enable-CsTopology

4. On the Lync Server 2013 Front End Server or Front End pool, in the Lync Server Management Shell, type:

Move-CsManagementServer

5. Lync Server Management Shell displays the servers, file stores, database stores, and the service connection points of the Current State and the Proposed State. Read the information carefully and confirm that this is the intended source and destination. Type Y to continue, or N to stop the move.

6. Review any warnings or errors generated by the Move-CsManagementServer command and resolve them.

7. On the Lync Server 2013 server, open the Lync Server Deployment Wizard.

8. In Lync Server Deployment Wizard, click Install or Update Lync Server System, click Step 2: Setup or Remove Lync Server Components, click Next, review the summary, and then click Finish.

9. On the Lync Server 2010 server, open the Lync Server Deployment Wizard.

10. In Lync Server Deployment Wizard, click Install or Update Lync Server System, click Step 2: Setup or Remove Lync Server Components, click Next, review the summary, and then click Finish.

11. To confirm that replication with the new Central Management store is occurring, in the Lync Server Management Shell, type:

Get-CsManagementStoreReplicationStatus

Note 2: Export-CsConfiguration

Exports your Lync Server topology, policies, and configuration settings to a file. Among other things, this file can then be used to restore this information to the Central Management store after an upgrade, a hardware failure, or some other issue has resulted in data loss. This cmdlet was introduced in Lync Server 2010.

Note 3:

To transfer the Central Management Server in a disaster recovery scenario you should have, ideally, used the Export-CsConfiguration and Export-CsLisConfiguration cmdlets to create backup files of your Lync Server configuration and your Enhanced 9-1-1 (E9-1-1) configuration, respectively. (Because disasters typically occur without warning, you should routinely run these cmdlets and make backup files of your configuration settings.) When calling Move-CsManagementServer you should include both the ConfigurationFileName and LisConfigurationFileName parameters in order to read in these backup files.

Note 4: Incorrect: Install-CsDatabase

Installs one or more Lync Server databases. This cmdlet was introduced in Lync Server 2010.

Reference: Move the Lync Server 2010 Configuration Management Server to Lync Server 2013

Question: 10

You need to recommend which tasks must be performed to implement the planned unified contact store. Which three actions should you recommend? (Each correct answer presents part of the solution. Choose three.)

- A. From a server that has Lync Server 2013 deployed, run the Set-CsClientPolicy cmdlet.
- B. From a server that has Exchange Server 2013 deployed, run the ExchUCUtil.ps1 script.
- C. From a server that has Lync Server 2013 deployed, run the New-CsPartnerApplication cmdlet.
- D. From a server that has Lync Server 2013 deployed, run the Set-CsUserServicesPolicy cmdlet.
- E. From a server that has Exchange Server 2013 deployed, run the ConfigureEnterprisePartnerApplication.ps1 script.

Answer: ACD

Explanation:

<http://blog.insidelync.com/2012/08/the-lync-2013-preview-unified-contact-store-ucs/>

Question: 11

DRAG DROP

You need to identify which tasks must be performed to configure pool pairing between the Front End pools. Which four actions should you identify?

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

Actions	Answer Area
Run the Export-CsConfiguration cmdlet.	
Run the Invoke-CsBackupServiceSync cmdlet.	
From Topology Builder, publish the topology.	
From Topology Builder, associate a backup pool.	
Run the bootstrapper, and then start the Lync Server Backup service.	
Implement Microsoft SQL Server database mirroring.	

Answer:

Actions	Answer Area
Run the Invoke-CsBackupServiceSync cmdlet.	From Topology Builder, publish the topology.
	From Topology Builder, associate a backup pool.
	Run the Export-CsConfiguration cmdlet.
Implement Microsoft SQL Server database mirroring.	Run the bootstrapper, and then start the Lync Server Backup service.

Explanation:

BOX 1:

From Topology Builder, publish the topology

BOX 2:

From Topology Builder, associate a backup pool.

BOX 3:

Run the **Export-CsConfiguration** cmdlet

BOX 4:

Run the bootstrapper, and then start the Lync Server Backup service.

Note:

* For Lync Server 2013, any time you add or remove a Front End Server from the pool, you must restart services. Removing and adding servers should be done as separate operations. For example, if you are going to add two Front End Servers, and remove two Front End Servers, use the following process:

1. Remove the two Front End Servers.
2. Publish and re-activate the topology.
3. Restart the services
4. Add the two Front End Servers.
5. Publish and re-activate the topology.
6. Restart the services.

* On the Define the SQL store page, do one of the following:

To use an existing SQL Server store that has already been defined in your topology, select an instance from SQL store.

To define a new SQL Server instance to store pool information, click New and then specify the SQL Server FQDN in the Define New SQL Store dialog box.

To specify the name of a SQL Server instance, select Named Instance, and then specify the name of the instance.

To use the default instance, click Default instance.

To use SQL Mirroring, select Enable SQL mirroring and select an existing instance or create a new instance.

* **Invoke-CsBackupServiceSync**

Manually invokes backup synchronization between a Microsoft Lync Server 2013 pool and its designated backup pool. This allows administrators to synchronize data without waiting for Lync Server replication. The Invoke-CsBackupServiceSync cmdlet enables administrators to synchronize the data between a Registrar pool and its backup pool. Invoke-CsBackupServiceSync will only copy as much data as needed in order to bring the two pools into sync.

* Incorrect: Export-CsConfiguration

Exports your Lync Server topology, policies, and configuration settings to a file. Among other things, this file can then be used to restore this information to the Central Management store after an upgrade, a hardware failure, or some other issue has resulted in data loss. This cmdlet was introduced in Lync Server 2010.

Reference: Define and Configure a Front End Pool or Standard Edition Server

Case Study: 4

Litware, Inc Case B

Overview

General Overview

Litware, Inc. is an international manufacturing company that has 10,000 users.

Physical Locations

Litware has two offices. The offices are located in New York and Denver. The offices connect to each other by using a WAN link. Each office connects directly to the Internet.

Existing Environment

Active Directory Infrastructure

The network contains an Active Directory forest named litware.com. The forest contains a single domain. All domain controllers run Windows Server 2008 R2. Each office contains two domain controllers. Each office is configured as an Active Directory site.

Lync Server 2010 Infrastructure

Litware has a Lync Server 2010 infrastructure in the New York office. The infrastructure contains servers and appliances. The servers and appliances are configured as shown in the following table.

Server name	Role	Pool name
Lync01	Front End Server	pool1
Lync02	Edge Server	pool2
Lync03	Mediation Server	pool3
Lync04	Group Chat Server	<i>Not applicable</i>

All of the servers that have Lync Server 2010 deployed are monitored by using Microsoft System Center Operations Manager.

All client computers have either Microsoft Lync 2010 or Microsoft Office Communicator 2007 R2 installed.

Administrators configure the following Lync Server 2010 features:

- IM and presence for all sites
- External user access for IM and conferencing
- Conferencing for all sites
- Response groups
- Group Chat

Problem Statements

Litware identifies the following issues:

- Users report that other users who are not listed on their contact list can see their presence information. This also occurs when the users set their privacy mode to allow only the users on their contact

list to see their presence information.

- The users report that when they connect to meetings remotely, they cannot use presenter controls.

Requirements

Business Goals

Litware plans to minimize hardware and software purchasing costs.

Planned Changes

Litware plans to upgrade to Lync Server 2013 during the next six months and plans to implement the following changes during the upgrade:

- Migrate the current Front End pool to an Enterprise Edition Front End pool named fepool that will contain two servers named Lync13_01 and Lync13_02.
- Migrate Group Chat to Persistent Chat.

Technical Requirements

Litware identifies the following technical requirements for the planned changes:

- Users running previous client versions must be able to use chat features after the server is migrated to Persistent Chat.
- Users who have mobile devices must be able to receive notifications if the Lync mobile application is inactive.
- A client computer named Monitor01 must be used to monitor client connectivity by using synthetic transactions.
- All response groups must be migrated to Lync Server 2013.
- External users must be able to expand distribution groups.
- External users must be able to download meeting content.
- The Lync 2013 Windows Store app must be supported.

High Availability Requirements

The new Lync Server 2013 infrastructure in the New York office must be available if a single server fails.

Question: 1

You need to recommend a solution to resolve the presence information issue. You verify that enhanced presence privacy mode is enabled for all users. What should you recommend including in the solution?

- A. A client version policy
- B. A conferencing policy
- C. A presence policy
- D. A client policy

Answer: A

Question: 2

HOTSPOT

You need to move all users to the new Lync Server 2013 infrastructure.

What command should you run? (To answer, configure the appropriate command in the answer area.)

Get-CsUser	-Identity all -OnLyncServer -UnassignedUser	Move-CsUser Set-CsUser Enable-CsUser	-Target -RegistrarPool -ProxyPool	fepool1.litware.com pool1.litware.com lync13_01.litware.com
------------	---	--	---	---

Answer:

Get-CsUser	-Identity all -OnLyncServer -UnassignedUser	Move-CsUser Set-CsUser Enable-CsUser	-Target -RegistrarPool -ProxyPool	fepool1.litware.com pool1.litware.com lync13_01.litware.com
------------	--	--	--	---

Question: 3

You need to recommend which type of client connection the remote users must use to prevent the connection issue. Which Lync client or clients should you recommend? (Choose all that apply.)

- A. Lync 2013
- B. Lync Web App
- C. Lync Windows Store app
- D. Lync Attendee

Answer: AB**Question: 4**

You need to implement a solution to meet the notification requirements for the mobile devices. The solution must meet the technical requirements. Which three actions should you perform before you enable push notification? (Each correct answer presents part of the solution. Choose three.)

- A. Configure a reverse proxy.
- B. Add a hosting provider.
- C. Modify the client policy.
- D. Configure accepted domains,
- E. Enable federation.

Answer: ABC**Question: 5**

You need to recommend which names must be included in the certificate installed on Lync13_02. Which names should you recommend? (To answer, select the appropriate names in the answer area.)

Name	Required	Not required
SN=fepool1.litware.com	<input type="radio"/>	<input type="radio"/>
SN=lync13_02.litware.com	<input type="radio"/>	<input type="radio"/>
SAN=*.litware.com	<input type="radio"/>	<input type="radio"/>
SAN=fepool1.litware.com	<input type="radio"/>	<input type="radio"/>
SAN=lync13_01.litware.com	<input type="radio"/>	<input type="radio"/>
SAN=lync13_02.litware.com	<input type="radio"/>	<input type="radio"/>

Answer:

Name	Required	Not required
SN=fepool1.litware.com	<input checked="" type="checkbox"/>	<input type="radio"/>
SN=lync13_02.litware.com	<input type="radio"/>	<input checked="" type="checkbox"/>
SAN=*.litware.com	<input checked="" type="checkbox"/>	<input type="radio"/>
SAN=fepool1.litware.com	<input checked="" type="checkbox"/>	<input type="radio"/>
SAN=lync13_01.litware.com	<input checked="" type="checkbox"/>	<input type="radio"/>
SAN=lync13_02.litware.com	<input type="radio"/>	<input checked="" type="checkbox"/>

Question: 6

You need to recommend the minimum number of Lync servers required to support the Lync Server 2013 infrastructure in the New York office. The solution must meet the high availability requirements. How many servers should you recommend deploying to each network? (To answer, select the appropriate number of servers for each network in the answer area.)

Lync servers on the external network:

Lync servers on the internal network:

Reverse proxy servers on the external network:

Reverse proxy servers on the internal network:

Answer:

Lync servers on the external network:

Lync servers on the internal network:

Reverse proxy servers on the external network:

Reverse proxy servers on the internal network:

Question: 7

You are evaluating the migration of the response groups. You need to identify which statement correctly describes the migration of the response groups to Lync Server 2013. Which statement should you identify?

- A. An administrator must modify the topology after the response groups are migrated to Lync Server 2013.
- B. An administrator must re-enable all users for Enterprise Voice after the response groups are migrated to Lync Server 2013.
- C. All of the response groups must be recreated after the users are moved to Lync Server 2013
- D. All of the response groups must be migrated in a single migration operation.

Answer: D

Question: 8

You install System Center 2012 Operations Manager on a server named SCOM01. You import the Lync 2013 Server Management Pack to SCOM01. You need to configure monitoring to meet the technical requirements. Which three actions should you perform before you configure the synthetic transactions? (Each correct answer presents part of the solution. Choose three.)

- A. Install the Lync Server 2013 core components on SCOM1.
- B. Install the SCOM agent on Monitor01.
- C. Run watchernode.msi on Monitor01.
- D. Install the Lync Server 2013 core components on Monitor01.
- E. Run watchernode.msi on SCOM01.

Answer: BDE

Question: 9

You are evaluating the migration of the response groups. You need to identify which statement correctly describes the migration of the response groups to Lync Server 2013. Which statement should you identify?

- A. All of the response groups must be recreated after the users are moved to Lync Server 2013.
- B. All of the response groups must be migrated in a single migration operation.
- C. An administrator must modify the topology after the response groups are migrated to Lync Server 2013.
- D. An administrator must re-enable all users for Enterprise Voice after the response groups are migrated to Lync Server 2013.

Answer: B

Question: 10

DRAG DROP

You need to recommend which actions must be performed to add the planned Lync Server 2013 servers. Which three actions should you recommend in sequence? (To answer, move the appropriate three actions from the list of actions to the answer area and arrange them in the correct order.)

Answer Area	
<p>From Lync Server 2013 Topology Builder, save a copy of the topology.</p>	
<p>From Lync Server 2010 Topology Builder, publish the topology.</p>	
<p>From Lync Server 2013 Topology Builder, publish the topology.</p>	
<p>From Lync Server 2013 Topology Builder, configure the topology.</p>	
<p>From Lync Server 2010 Topology Builder, save a copy of the topology.</p>	
<p>From Lync Server 2010 Topology Builder, configure the topology.</p>	

Answer:

Answer Area	
	From Lync Server 2010 Topology Builder, publish the topology.
	From Lync Server 2013 Topology Builder, publish the topology.
	From Lync Server 2013 Topology Builder, save a copy of the topology.
From Lync Server 2013 Topology Builder, configure the topology.	
From Lync Server 2010 Topology Builder, save a copy of the topology.	
From Lync Server 2010 Topology Builder, configure the topology.	

Question: 11

HOTSPOT

After the migration, users report that when they connect remotely, they fail to sign in by using the Lync 2013 Windows Store app. You verify the external DNS records for Lync and locate the records shown in the following table.

Record type	FQDN
Service location (SRV)	_sipfederationtls._tcp.litware.com
Service location (SRV)	_sip._tls.litware.com
Host (A)	Sip.litware.com

You need to ensure that the users can sign in by using the Lync 2013 Windows Store app.

What DNS record should you create? (To answer, select the appropriate configuration in the answer area.)

Record type:

Host (A)
 Service location (SRV)
 Text (TXT)

FQDN:

Lyncdiscover.litware.com
 Lyncdiscoverinternal.litware.com
 _sipinternaltls.litware.com
 _sipinternaltls._tcp.litware.com
 _siptls._tcp.litware.com

Answer:

Record type:

Host (A)
 Service location (SRV)
 Text (TXT)

FQDN:

Lyncdiscover.litware.com
 Lyncdiscoverinternal.litware.com
 _sipinternaltls.litware.com
 _sipinternaltls._tcp.litware.com
 _siptls._tcp.litware.com

Case Study: 5**Contoso Ltd. Case B****Overview****General Overview**

Contoso, Ltd. is an international manufacturing company that has 30,000 users.

Contoso has the following departments: sales, research, marketing, human resources, executive, manufacturing, and legal. The sales department has 2,000 users. All of the users in the sales department are located in the United States. The research department has 3,000 users. All of the users in the research department are located in Europe.

Physical Locations

Contoso has two main offices. The offices are located in Houston and Frankfurt. Each office has 15,000 users.

The offices connect to each other by using an MPLS network. Each office connects directly to the Internet.

Existing Environment

Lync Server Infrastructure

Contoso has a Lync Server 2010 infrastructure that only uses internal instant messaging (IM) and presence. The infrastructure contains a single Enterprise Edition Front End pool that services all of the users. Contoso uses a SIP domain of contoso.com for all of the users. Client computers have either Microsoft Office Communicator 2007 R2 installed or Microsoft Lync 2010 installed. Before deploying Lync Server 2013 and migrating the users to Lync Server 2013, you implement a small pilot project to test the functionality of Lync Server 2013.

Problem Statements

The users in the pilot report that occasionally, they cannot sign in to Lync 2013.

Requirements

Business Goals

Contoso plans to upgrade to Lync Server 2013 during the next six months. Contoso must deploy all of the Lync Server conferencing and edge services. Contoso must also configure federation with its parent company, which is named Proseware, Inc. Proseware is located in Europe and has an Office Communication Server 2007 R2 infrastructure. Contoso must minimize hardware and software purchasing costs, while guaranteeing performance levels for all Lync Server 2013 workloads.

Planned Changes

Contoso plans to implement the following workloads in the Lync Server 2013 deployment:

- Federation
- Dial-in conferencing
- External user access
- Audio, video, and web conferencing
- The ability to host Lync meetings that have external participants

The FQDNs of the edge services will be configured as shown in the following table.

Service	United States region	Europe region
Access Edge	us-ae.contoso.com	Eu-ae.contoso.com
Web Conferencing Edge	us-wc.contoso.com	Eu-wc.contoso.com
A/V Edge	us-av.contoso.com	Eu-av.contoso.com

Technical Requirements

Contoso identifies the following technical requirements for the planned deployment:

- Only federation to Proseware must be allowed.
- All of the edge services must use default ports.
- WAN traffic and Internet traffic must be minimized.
- All of the user contacts stored in Lync Server 2013 must be backed up.
- The sales department must have a dedicated dial-in conferencing number. All other users in both the United States and Europe must use a pool of regional dial-in conferencing numbers.
- If a single component fails, all Lync services must remain available without the need for manual intervention. Performance degradation is acceptable during a component failure state.
- The conversations of all the sales department users must be archived for 30 days. The conversations of all the research department users must be archived for 90 days. No other conversations must be archived.
- After the migration to Lync Server 2013, all client computers will have three months to upgrade to

Lync 2013. After three months, legacy clients must be blocked from accessing the Lync Server 2013 infrastructure.

Security Requirements

Contoso identifies the following security requirements for the planned deployment:

- All Lync Server conferences must use a unique URL.
- Each Internet-facing service must have one or more dedicated public IP addresses.
- Only the users in the human resources department must be prevented from connecting to Lync Server remotely.

Question: 1

DRAG DROP

You need to identify the cause of the authentication issue for the pilot users. Which four actions should you perform in sequence? (To answer, move the appropriate four actions from the list of actions to the answer area and arrange them in the correct order.)

Answer Area

Run **Start-CsCISLogging**.

Run **Stop-CsCISLogging**.

Open the log file by running **snooper.exe**.

Run **Set-CsCISRegion**.

Run **Update-CsCISLogging**.

Run **Search-CsCISLogging**.

Answer:

Answer Area	
Open the log file by running snooper.exe .	Run Update-CsClsLogging .
Run Set-CsClsRegion .	Run Stop-CsClsLogging .
	Run Search-CsClsLogging .
	Run Start-CsClsLogging .

Question: 2

You need to configure the Lync Server 2013 infrastructure to meet the security requirements for the human resources department. The solution must minimize administrative effort. What should you do?

- A. Create a new user-level external access policy.
- B. Modify the Access Edge Configuration settings.
- C. Create a new user-level client policy.
- D. Modify the global external access policy.

Answer: A

Question: 3

HOTSPOT

You need to configure the required external DNS record to support federation. The solution must meet the business goals and the technical requirements. How should you configure the DNS record? (To answer, select the appropriate options for the DNS record in the answer area.)

Record type:

Host (A)
Service location (SRV)

Service:

_sip._tls.contoso.com
_sipfederationtls._tcp.contoso.com

Port number:

443
5061

Host offering service:

Eu-ae.contoso.com
Us-ae.contoso.com

Answer:

Record type:

Host (A)
Service location (SRV)

Service:

_sip._tls.contoso.com
_sipfederationtls._tcp.contoso.com

Port number:

443
5061

Host offering service:

Eu-ae.contoso.com
Us-ae.contoso.com

Question: 4

You need to recommend a backup solution to meet the technical requirements. Which tool should you include in the recommendation?

- A. Export-CsUserData

- B. Ocslogger
- C. Snooper
- D. Get-CsAdContact
- E. Dbimpexp

Answer: A

Question: 5

HOTSPOT

You need to ensure that the Lync Server 2013 infrastructure meets the security requirement for conferences. Which setting should you modify in Meeting Configuration? (To answer, select the appropriate setting in the answer area.)

Lync Server 2013

Administrator | Sign out
5.0.8308.0 | Privacy statement

Conferencing Policy | Meeting Configuration | Dial-in Access Number | PIN Policy

Edit Meeting Configuration - Global

Name: Global

PSTN callers bypass lobby

Designate as presenter:

Company

Assigned conference type by default

Admit anonymous users by default

Logo URL:

Help URL:

Legal text URL:

Custom footer text:

Answer:

The screenshot shows the Lync Server 2013 management interface. The left sidebar has a yellow background and lists various administrative categories. The 'Conferencing' category is selected and highlighted in orange. The main content area shows a dialog titled 'Edit Meeting Configuration - Global'. Inside the dialog, there are several configuration options. One specific option, 'Assigned conference type by default', is highlighted with a red rectangular box around its checkbox and label. Other visible options include 'PSTN callers bypass lobby', 'Designate as presenter', 'Admit anonymous users by default', 'Logo URL', 'Help URL', 'Legal text URL', and 'Custom footer text'. At the top of the dialog are 'Commit' and 'Cancel' buttons.

Question: 6

You need to ensure that the client computers that have Office Communicator 2007 R2 installed can use IM and presence and can join web conferences hosted on Lync Server 2013. The solution must minimize administrative effort. What should you do?

- A. Implement Communicator Web Access Server.
- B. Modify the client version policy to allow all versions of Office Communicator 2007 R2 to connect,
- C. Upgrade the computers to Lync 2010.
- D. Apply the latest hotfixes to Office Communicator 2007 R2

Answer: C

Question: 7

The Lync Server 2013 infrastructure was implemented successfully three months ago. You need to recommend a solution to meet the technical requirements. Which cmdlet should you run?

- A. Set-CsClientVersionConfiguration
- B. Set-CsClientVersionPolicy
- C. Set-CsMobilityPolicy
- D. Set-CsDeviceUpdateConfiguration

E. Set-CsClientPolicy

Answer: B

Question: 8

You need to identify the dial-in conferencing configurations required to meet the technical requirements for the sales department. Which two configurations should you identify? (Each correct answer presents part of the solution. Choose two.)

- A. Create a user-level conferencing policy. Assign the conferencing policy to the sales department users.
- B. Create a user-level dial plan. Assign the dial plan to the sales department users.
- C. Create a new dial-in access number. Assign the dial-in access number to a dial-in conferencing region.
- D. Create a user-level voice policy. Assign the voice policy to the sales department users.
- E. Create a new meeting configuration. Assign the meeting to a site.

Answer: BD

Question: 9

You need to identify the minimum number of Lync Server 2013 servers and supporting server roles required in each Lync site to meet the business goals and the technical requirements. How many servers should you identify? (To answer, select the appropriate number servers in the answer area.)

Edge Servers per site:

Front End Servers per site:

Office Web Apps servers per site:

Microsoft SQL Servers per site:

Answer:

Edge Servers per site:

Front End Servers per site:

Office Web Apps servers per site:

Microsoft SQL Servers per site:

Question: 10

You need to recommend an archiving solution that meets the business goals and the technical requirements. Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)

- A. Create a new Front End pool. Home the sales department users and the research department users on the new pool. Configure archiving for the new pool.
- B. Create a new Front End pool for the sales department and a new Front End pool for the research department. Configure archiving for the new pools.
- C. Configure the global archiving policy.
- D. Home the sales department users on the Front End pool in the United States. Home the research department users on the Front End pool in Europe. Configure archiving for each pool.
- E. Create a new user-level archiving policy.

Answer: BD

Question: 11

You need to identify the minimum number of required public IP addresses for each Lync Server 2013 component. The solution must meet the business goals and the technical requirements. How many public IP addresses should you identify for each component? (To answer, select the appropriate number of public IP addresses for each component in the answer area.)

Edge server: 

Hardware load balancer: 

Web component: 

Office Web Apps server: 

Answer:

Edge server: 

Hardware load balancer: 

Web component: 

Office Web Apps server: 

