Question 1
What should you do?
Your company has a Microsoft Office 365 subscription. The company uses Microsoft Lync Online. You need to ensure that Lync Online users can use dial-in conferencing. The solution must minimize costs.
What should you do?
A. Deploy an Edge Server and add a hosting provider to the server.
B. Deploy an Edge Server and configure the A/V Edge service on the server.
C. Deploy an A/V Conferencing pool.
D. Set up an account with a third-party audio conferencing provider.

Correct Answer: D
Explanation/Reference:

Question 2
Which pattern match and translation rule should you use?
You company has one office. The office is located in the United States. The phone numbers in the United States have a country code of 1 followed by 10 digits. You have a Lync Server 2013 infrastructure configured for Enterprise Voice. All normalization rules ensure that dialed numbers conform to E.164 standards. You need to create a called number translation rule that meets the following requirements:
- Eleven-digit numbers that start with 1 must have the 1 removed before they are routed to the PSTN.
- All other phone numbers must not be modified by the rule.
Which pattern match and translation rule should you use? (To answer, select the appropriate pattern match and translation rule in the answer area.)

Correct Answer:

Pattern match:
1(\d{10})
^1\(\d{10}\)$
+1(\d{10})
^+1\(\d{10}\)$
^+1\(\d{10}\)$

Translation rule:
$1
$2$3
$1$10

Question 3
How should you configure the bandwidth policy?
Your company has a main office and a branch office. The offices connect to each other by using a WAN link. The WAN link has limited bandwidth and experiences packet loss. The branch office contains several users only. You have a Lync Server 2013 infrastructure. You identify the bandwidth requirements for the codecs as shown in the following table.

<table>
<thead>
<tr>
<th>Codec name</th>
<th>Bandwidth requirement without forward error correction (FEC)</th>
<th>Bandwidth requirement with forward error correction (FEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.711</td>
<td>100 Kbps</td>
<td>160 Kbps</td>
</tr>
<tr>
<td>G.722 Sound</td>
<td>70 Kbps</td>
<td>100 Kbps</td>
</tr>
<tr>
<td>G.722 DTMF</td>
<td>50 Kbps</td>
<td>60 Kbps</td>
</tr>
</tbody>
</table>

Some users in the branch office report that they experience very slow access to shared folders in the main office. Some users in the branch office report that they experience very slow access to shared folders in the main office. You need to create a bandwidth policy that meets the following requirements:
- Uses the least amount of bandwidth for audio calls.
- Minimizes the impact of packet loss on audio call quality.
- Supports up to 10 concurrent audio calls from the branch office users to the users in the main office.

How should you configure the bandwidth policy? (To answer, select the appropriate audio limit and audio session limit in the answer area.)

Correct Answer:

Audio limit:
- 500 Kbps
- 600 Kbps
- 1,200 Kbps
- 1,600 Kbps
- 2,000 Kbps

Audio session limit:
- 50 Kbps
- 60 Kbps
- 70 Kbps
- 100 Kbps
- 160 Kbps

Explanation/Reference:

**Question 4**
Which port range should you recommend for each service?
Your network contains an Active Directory domain. The domain contains a Lync Server 2013 infrastructure. The infrastructure uses the default ports. You plan to implement a Quality of Service (QoS) solution. You need to recommend which port ranges must be tagged for QoS.

Which port range should you recommend for each service? (To answer, select the appropriate port range for each service in the answer area.)

Correct Answer:
Question 5
What should you do?
You have a Lync Server 2013 infrastructure. The infrastructure contains one central site. The infrastructure contains a Standard Edition server that has the Mediation Server role installed and is located in the central site. You configure a trunk to an IP-PBX. The IP-PBX is on the Unified Communications Open Interoperability Program. You have 300 users who are enabled for Enterprise Voice. You need to provide PSTN services to the Enterprise Voice users if the IP-PBX fails. What should you do?
A. Install a PSTN gateway that connects directly to the PSTN. Configure a new trunk to the new PSTN gateway. Create a new route and a new PSTN usage. Add the route to the PSTN usage and add the PSTN usage to the voice policy.
B. Install a Survivable Branch Server that connects directly to the PSTN. Configure a new trunk and add the trunk to the existing route. Add the route to the PSTN usage and add the PSTN usage to the voice policy.
C. Install a new trunk to a certified SIP trunk provider. Add the trunk to the existing PSTN usage. Add the PSTN usage to the voice policy.
D. Install an additional IP-PBX that connects directly to the PSTN. Configure the existing trunk to use both IP-PBXs in resiliency mode.
Correct Answer: A
Explanation/Reference:
SAM Comments
Option D is practically not possible so correct is option A.

Question 6
How should you configure the response group?
Your company plans to deploy a response group workflow for the sales department. You need to create a response group workflow that meets the following requirements:
- The users in the sales department must be signed in to the response group automatically when they sign in to Lync Server 2013.
- Incoming calls to the sales department must ring all sales department users concurrently, even if a user is already on a call.
How should you configure the response group? (To answer, configure the appropriate participation policy and routing method in the answer area.)
Hot Area:
Correct Answer:

Question 7
Which Windows PowerShell command should you run?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2013 organization. Unified Messaging (UM) integration is enabled. You need to prevent the use of call answering rules. Which Windows PowerShell command should you run?
A. Set-CSVoicePolicy
B. Set-UMMailboxPolicy
C. Remove-UMCallAnsweringRule
D. Set-UMDialPlan

Correct Answer: B
Explanation/Reference:
SAM Comments – Call Ans rule customization is always via UM MailboxPolicy.

Question 8
What should you use?
Your company has a subscription to Microsoft Lync Online. All users connect to Lync Online by using Microsoft Lync 2013. You discover that several users experience a high amount of jitter during A/V conferences. You need to verify the quality of the connection from the users’ Lync 2013 client to Lync Online. What should you use?
A. the Test-CsASConference cmdlet
B. the Microsoft Remote Connectivity Analyzer
C. the Transport Reliability IP Probe
D. the Test-Connection cmdlet

Correct Answer: C
Explanation/Reference:
http://lync70337.freeforums.org/post170.html#p170 suggests it could be C. That would be seem to be consistent with http://trippbl2.online.lync.com/
“The tool performs three tests: VoIP: This probe measures your expected VoIP quality by measuring UDP loss and jitter. It uses UDP/30021 andUDP/30022 to simulate audio streams with G722 codec at 50pps.”
Test-Connection is nothing more than a ping test. While it can show latency, it doesn’t show jitter. http://technet.microsoft.com/en-us/library/hh849808.aspx

Question 9
What should you do?
You have a Lync Server 2013 infrastructure. The infrastructure contains two sites and is configured for Enterprise Voice. The sites are located in Chicago and Toronto. Each site has a distinct voice policy, PSTN usage, voice route, and trunk translation rule as shown in the following table.

<table>
<thead>
<tr>
<th>Site name</th>
<th>Dial plan name</th>
<th>Voice policy name</th>
<th>PSTN usage name</th>
<th>Voice route name</th>
<th>Trunk name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toronto</td>
<td>Toronto-DP</td>
<td>Toronto-VP</td>
<td>Toronto-Usage</td>
<td>Toronto-AllCalls</td>
<td>Toronto-PSTN</td>
</tr>
<tr>
<td>Chicago</td>
<td>Chicago-DP</td>
<td>Chicago-VP</td>
<td>Chicago-Usage</td>
<td>Chicago-AllCalls</td>
<td>Chicago-PSTN</td>
</tr>
</tbody>
</table>

The voice policy of each site contains the PSTN usage record of its respective site. The voice route of each site uses the trunk assigned to its respective site. You need to ensure that all outbound voice calls to the PSTN from the users in the Toronto site are routed through the trunk at the Toronto site. Calls must use the Mediation Server at the Chicago site if the Mediation Server at the Toronto site is unavailable. What should you do?
A. Add the Chicago-AllCalls voice route to the Toronto-Usage PSTN usage record.
B. Add the Chicago-Usage PSTN usage record to the Toronto-VP voice policy.
C. Add the Chicago-PSTN trunk to the Toronto-AllCalls voice route.
D. Add the Chicago-Usage PSTN usage record to the Toronto-PSTN trunk.

Correct Answer: B
Explanation/Reference:

Question 10
What should you configure?
You have a Lync Server 2013 infrastructure. A user named Executive1 has an assistant named Assistant1. Assistant1 is configured as a delegate and receives all of the calls for Executive1. You need to modify the current voice solution to meet the following requirements:
- Ensure that some of the calls from other executives to Executive1 only ring on the Microsoft Lync 2013 client of Executive1.
- Ensure that Executive1 can receive the calls from the other executives when his presence status is set to Do Not Disturb.
What should you configure?
A. Call Park
B. A private line
C. Simultaneous ring
D. A response group

Correct Answer: B
Explanation/Reference:

Question 11
Which DNS records should you identify?
You plan to deploy a Microsoft Lync Online subscription that will contain a single SIP domain named contoso.com.
You need to identify which DNS records must be created to meet the following requirements:
- Provide users with the ability to sign in automatically by using Microsoft Lync 2013.
- Provide users with the ability to sign in automatically by using the Lync mobile application.
Which DNS records should you identify? (To answer, select the appropriate record name and destination for each requirement in the answer area.)

**Hot Area:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Record name</th>
<th>Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide users with the ability to sign in automatically by using Microsoft Lync 2013.</td>
<td>clientdiscovery.contoso.com</td>
<td>PushLync.com</td>
</tr>
<tr>
<td></td>
<td>lyndiscovery.contoso.com</td>
<td>sip.online.lync.com</td>
</tr>
<tr>
<td></td>
<td>sip.contoso.com</td>
<td>sipfederationtls.contoso.com</td>
</tr>
<tr>
<td></td>
<td>sipfederationcontoso.com</td>
<td>webdir.online.lync.com</td>
</tr>
<tr>
<td>Provide users with the ability to sign in automatically by using the Lync mobile application.</td>
<td>clientdiscovery.contoso.com</td>
<td>PushLync.com</td>
</tr>
<tr>
<td></td>
<td>lyndiscovery.contoso.com</td>
<td>sip.online.lync.com</td>
</tr>
<tr>
<td></td>
<td>sip.contoso.com</td>
<td>sipfederationtls.contoso.com</td>
</tr>
<tr>
<td></td>
<td>sipfederationcontoso.com</td>
<td>webdir.online.lync.com</td>
</tr>
<tr>
<td>Correct Answer:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provide users with the ability to sign in automatically by using Microsoft Lync 2013.</td>
<td>clientdiscovery.contoso.com</td>
<td>PushLync.com</td>
</tr>
<tr>
<td></td>
<td>lyndiscovery.contoso.com</td>
<td>sip.online.lync.com</td>
</tr>
<tr>
<td></td>
<td>sip.contoso.com</td>
<td>sipfederationtls.contoso.com</td>
</tr>
<tr>
<td></td>
<td>sipfederationcontoso.com</td>
<td>webdir.online.lync.com</td>
</tr>
<tr>
<td>Provide users with the ability to sign in automatically by using the Lync mobile application.</td>
<td>clientdiscovery.contoso.com</td>
<td>PushLync.com</td>
</tr>
<tr>
<td></td>
<td>lyndiscovery.contoso.com</td>
<td>sip.online.lync.com</td>
</tr>
<tr>
<td></td>
<td>sip.contoso.com</td>
<td>sipfederationtls.contoso.com</td>
</tr>
<tr>
<td></td>
<td>sipfederationcontoso.com</td>
<td>webdir.online.lync.com</td>
</tr>
<tr>
<td>Correct Answer:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

**Question 12**
Which three actions should you perform?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2010 organization. You have a SIP domain and an SMTP domain named contoso.com.
You recently migrated the on-premises Exchange Server 2010 organization to Microsoft Office 365.
You need to ensure that you can use Unified Messaging (UM) features between the Lync Server 2013 infrastructure and the Office 365 subscription.
Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)
A. From the Exchange Management Console, create an accepted domain.
B. From the Lync Server 2013 Control Panel, add a hosting provider named exap.um.outlook.com.
C. In the public DNS zone, create a service location (SRV) record named _sipfederationtls._tcp.contoso.com.
D. From the Lync Server 2013 Control Panel, add a hosting provider named exap.um.lync.com.
E. In the public DNS zone, create a service location (SRV) record named _sip._tls.contoso.com.
F. From the Lync Server 2013 Control Panel, click the Enable Communications with Federated Users check box.

Correct Answer: ACE

**Explanation/Reference:**

* An accepted domain is any SMTP namespace for which a cloud-based e-mail organization sends or receives e-mail.

C, E: To get Office 365 Lync to work with your federated domain, you will need to add some DNS entries. These entries should normally be added to your external DNS. Granting it can also be added to your internal DNS zone if you are doing split brain DNS. To allow your federated domain users to automatically signon to Lync Online you will need 4 DNS records for each of the domains you federate. First you will need 2 SRV dns records created.

```
_sip._tls -> pointing to -> sipdir.online.lync.com
_sipfederationtls._tcp -> pointing to -> sipfederationtlscontoso.com
```

Next you will need 2 CNAME records created.

```
sip. -> pointing to -> sipdir.online.lync.com
lyndiscovery. -> pointing to -> webdir.online.lync.com
```

**Reference:** What DNS records are required for Office 365 Lync

**Question 13**
Which firewall rules should you identify?
You have a Lync Server 2013 infrastructure. The infrastructure contains three servers. The servers are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Server name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lync01</td>
<td>Standard Edition server</td>
</tr>
<tr>
<td>Lync02</td>
<td>Mediation Server</td>
</tr>
<tr>
<td>OWA01</td>
<td>Office Web Apps Server</td>
</tr>
</tbody>
</table>

You plan to provide users with the ability to use desktop sharing and to display Microsoft PowerPoint presentations during conferences.
You need to identify the firewall rules that must be created in Windows Firewall.
Which firewall rules should you identify? (To answer, select the appropriate servers and ports for each feature in the answer area.)

**Hot Area:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Server</th>
<th>Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop Sharing</td>
<td>Lync01</td>
<td>442</td>
</tr>
<tr>
<td></td>
<td>Lync02</td>
<td>5061</td>
</tr>
<tr>
<td></td>
<td>OWA01</td>
<td>890 to 5389</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49,152 to 65,525</td>
</tr>
<tr>
<td>Display PowerPoint</td>
<td>Lync01</td>
<td>443</td>
</tr>
<tr>
<td>presentations</td>
<td>Lync02</td>
<td>5061</td>
</tr>
<tr>
<td></td>
<td>OWA01</td>
<td>5390 to 5389</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49,152 to 65,525</td>
</tr>
</tbody>
</table>

**Correct Answer:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Server</th>
<th>Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop Sharing</td>
<td>Lync01</td>
<td>442</td>
</tr>
<tr>
<td></td>
<td>Lync02</td>
<td>5061</td>
</tr>
<tr>
<td></td>
<td>OWA01</td>
<td>890 to 5389</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49,152 to 65,525</td>
</tr>
<tr>
<td>Display PowerPoint</td>
<td>Lync01</td>
<td>443</td>
</tr>
<tr>
<td>presentations</td>
<td>Lync02</td>
<td>5061</td>
</tr>
<tr>
<td></td>
<td>OWA01</td>
<td>5390 to 5389</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49,152 to 65,525</td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

SAM Comments – Link below

**Question 14**

What should you identify?

Your company has two main offices. The offices are located in Denver and New York. The offices connect to each other by using a WAN link.
You have a Lync Server 2013 infrastructure.
You have a conference that has 10 participants homed in the Denver office and 15 participants homed in the New York office. The user who organized the conference is homed in the Denver office. The audio codec for the conference requires 101 Kbps per stream.
You need to identify how much bandwidth is used on the WAN link when a single participant speaks during the conference.
What should you identify? (To answer, select the appropriate bandwidth amounts in the answer area.)

**Hot Area:**

<table>
<thead>
<tr>
<th>Bandwidth used from Denver to New York:</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 Kbps</td>
</tr>
<tr>
<td>1,010 Kbps</td>
</tr>
<tr>
<td>1,515 Kbps</td>
</tr>
<tr>
<td>4,525 Kbps</td>
</tr>
</tbody>
</table>

**Correct Answer:**

<table>
<thead>
<tr>
<th>Bandwidth used from Denver to New York:</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 Kbps</td>
</tr>
<tr>
<td>1,010 Kbps</td>
</tr>
<tr>
<td>1,515 Kbps</td>
</tr>
<tr>
<td>4,525 Kbps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bandwidth used from New York to Denver:</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 Kbps</td>
</tr>
<tr>
<td>1,010 Kbps</td>
</tr>
<tr>
<td>1,515 Kbps</td>
</tr>
<tr>
<td>4,525 Kbps</td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

SAM Comments – Corrected.
Question 15

What should you do?

You have an IP-PBX that uses four-digit extensions. You plan to deploy Enterprise Voice. You implement a SIP trunk between the Lyne Server infrastructure and the IP-PBX. You configure all users to use the following LineURI: tel:+3120123<4digitextension>;ext=<4digitextension> You need to ensure that the IP-PBX only receives the four-digit extension of a user when a call is placed to the IP-PBX. What should you do?

A. Modify the trunk configuration.
B. Modify the voice policy.
C. Forward the P-Asserted-Identity data.
D. Enable media bypass.

Correct Answer: A

Explanation/Reference:

Question 16

What is the minimum number of UM servers required?

You have a Microsoft Exchange Server 2010 Service Pack 2 (SP2) organization and a Lync Server 2013 infrastructure. You need to design a Unified Messaging (UM) solution to meet the following requirements:

- Support a peak concurrency of 500 calls.
- Connect to two Lync Server 2013 pools.

What is the minimum number of UM servers required?

A. 1
B. 2
C. 3
D. 5

Correct Answer: C

Explanation/Reference:


Question 17

What should you recommend?

Your company has a Lync Server 2013 infrastructure that contains four servers. The servers are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Server name</th>
<th>Role</th>
<th>Average CPU utilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server1</td>
<td>Front End Server</td>
<td>70 percent</td>
</tr>
<tr>
<td>Server2</td>
<td>Front End Server</td>
<td>60 percent</td>
</tr>
<tr>
<td>Server3</td>
<td>SQL Server Back End</td>
<td>60 percent</td>
</tr>
<tr>
<td>Server4</td>
<td>SQL Server Back End</td>
<td>50 percent</td>
</tr>
</tbody>
</table>

The Lync Server infrastructure contains a hardware load balancer named HLB1. The company has an IP-PBX. The IP-PBX does not support media bypass. The IP-PBX has a SIP trunk configured. Each user has a desktop phone that connects to the IP-PBX. Each laptop user has a Lync-certified headset. The company plans to implement Enterprise Voice and to relocate the SIP trunks to the Lync Server infrastructure. You need to recommend a Mediation Server deployment to meet the following requirements:

- Internal users must be able to place outbound calls from their desktop phone if a single server fails.
- Remote users must be able to place calls to any desktop phone if a single server fails.
- The degradation of call quality must be minimized during peak usage hours.

What should you recommend?

A. Install the Mediation Server role on Server3 and Server4.
B. Install the Mediation Server role on Server1 and Server2.
C. Create a Mediation Server pool that contains two new servers.
D. Create a Mediation Server pool that contains HLB1 and one new server.

Correct Answer: C

Explanation/Reference:

Question 18

Which number range should you use for each unassigned number range?

Your company has two offices. The offices are located in Amsterdam and Seattle. The company has the phone number ranges shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Total phone number range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amsterdam</td>
<td>+31 20 1234 5 00 to +31 20 1234 5 99</td>
</tr>
<tr>
<td>Seattle</td>
<td>+1 425 555 1200 to +1 425 555 1299</td>
</tr>
</tbody>
</table>

The range used for each office is shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Used phone number range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amsterdam</td>
<td>+31 20 1234 5 01 to +31 20 1234 5 55</td>
</tr>
<tr>
<td>Seattle</td>
<td>+1 425 555 1201 to +1 425 555 1240</td>
</tr>
</tbody>
</table>

You plan to implement Lync Server 2013 and include an unassigned number range for each office. You need to identify which unassigned number ranges must be included. The solution must use the minimum amount of administrative effort when users are added to or removed from the infrastructure. Which number range should you use for each unassigned number range?

Correct Answer: C

Explanation/Reference:
Question 19
How many access numbers and dial plans should you identify?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2010 Service Pack 2 (SP2) organization that has Unified Messaging (UM) enabled. You plan to configure the infrastructure to support three languages for Subscriber Access. You need to identify the minimum number of access numbers and dial plans required for the planned configuration. How many access numbers and dial plans should you identify? To answer, select the appropriate number of access numbers and dial plans in the answer area.

Correct Answer:

Explanation/Reference:
http://lync70337.freeforums.org/unassigned-numbers-t25.html

Question 20
Which match patterns should you use to create the normalization rules?
You have a Lync Server 2013 infrastructure that contains two offices. The offices are located in Amsterdam and Seattle. The offices have the phone number ranges shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Total phone number range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amsterdam</td>
<td>+31 20 1234 5 00 to +31 20 1234 5 99</td>
</tr>
<tr>
<td>Amsterdam</td>
<td>+31 20 1234 7 00 to +31 20 1234 7 99</td>
</tr>
<tr>
<td>Seattle</td>
<td>+1 425 555 1200 to +1 425 555 1209</td>
</tr>
</tbody>
</table>

You plan to deploy Enterprise Voice.
You also plan to use a global dial plan that will use three-digit dialing. You need to create the normalization rules for the planned deployment. Which match patterns should you use to create the normalization rules? To answer, drag the appropriate match patterns to the correct translation patterns in the answer area. Each match pattern 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.

Select and Place:

**Explanation/Reference:**
- First match pattern: 5 or 7 followed by any two numbers.
- Second match pattern: 2 followed by any two numbers.

**Question 21**
Which roles should you recommend?
Your company has two main offices. The offices are configured as shown in the exhibit. (Click the Exhibit button.)
You need to recommend which Lync Server 2013 roles must be deployed to meet the following requirements:
- Remote users must have access to the Lync Server infrastructure. Users must be able to place calls to the PSTN if a trunk fails.
- Federation with a business partner must be enabled.
- The amount of WAN traffic must be minimized.
Which roles should you recommend? To answer, drag the appropriate roles to the correct offices in the answer area. Each 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.

Exhibit:

Select and Place:
Correct Answer:

### Roles

<table>
<thead>
<tr>
<th>Role</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director Server</td>
<td>Amsterdam</td>
</tr>
<tr>
<td>Edge Server</td>
<td></td>
</tr>
<tr>
<td>Front End Server</td>
<td></td>
</tr>
<tr>
<td>Mediation Server</td>
<td></td>
</tr>
<tr>
<td>Persistent Chat Server</td>
<td></td>
</tr>
<tr>
<td>Trusted application server</td>
<td></td>
</tr>
</tbody>
</table>

### Explanation/Reference:
SAM Comments – Please fill all boxes...

Box 1: Front End Server
Box 2: Edge Server
Box 3: Mediation server
Box 4: Front End Server
Box 5: Edge Server
Box 6: Director Server

In Lync Server Enterprise Edition, the Front End Server is the core server role, and runs many basic Lync Server functions. The Front End Server, along with the Back End Servers, are the only server roles required to be in any Lync Server Enterprise Edition deployment. A Front End pool is a set of Front End Servers, configured identically, that work together to provide services for a common group of users.

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).

Mediation Server is a necessary component for implementing Enterprise Voice and dial-in conferencing. Mediation Server translates signaling, and, in some configurations, media between your internal Lync Server infrastructure and a public switched telephone network (PSTN) gateway, IP-PBX, or a Session Initiation Protocol (SIP) trunk. You can run Mediation Server collocated on the same server as Front End Server, or separated into a stand-alone Mediation Server pool.

Directors can authenticate Lync Server user requests, but they do not home user accounts or provide presence or conferencing services. Directors are most useful to enhance security in deployments that enable external user access. The Director can authenticate requests before sending them on to internal servers. In the case of a denial-of-service attack, the attack ends with the Director and does not reach the Front End servers.

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.

To enable support for XMPP federation, the Edge Federation must be enabled.

Reference: Lync Server 2013, Server Roles

“This is because sites that use SIP trunking must deploy Mediation Server in a separate pool from the Front End Servers. In all other instances, we recommend you collocate Mediation Server with Front End Server.”

### Question 22
Which three actions should you perform?

Your company has four offices. The offices are configured as shown in the exhibit. (Click the Exhibit button.)

You have a Lync Server 2013 infrastructure that has the following configurations:

- Two regions named EMEA and US. The Paris, Berlin, and Amsterdam offices are assigned to EMEA. The Seattle office is assigned to US.
- A bandwidth policy named Policy1 that has a limit of 1,024 kilobits per second (Kbps) for audio and video. A bandwidth policy named Policy2 that has a limit of 2,048 Kbps for audio and video. You need to configure Call Admission Control (CAC) to meet the following requirements:
  - Limit the Lync Server-related WAN traffic between the Seattle and Amsterdam offices to 2,048 Kbps.
  - In the Paris office, limit the Lync Server-related WAN traffic for audio to 1,024 Kbps and limit the Lync Server-related WAN traffic for video to 1,024 Kbps.

Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)

Exhibit:
A. Create a region link and assign Policy2 to the region link.
B. Modify region EMEA and region US to enable an Audio/Video alternate path.
C. Assign Policy1 to the network in the Paris office.
D. Assign Policy2 to the network in the Amsterdam office.
E. Create a region route.
F. Assign Policy2 to the network in the Seattle office.

Correct Answer: ACE

Explanation/Reference:
http://lync70337.freeforums.org/post140.html

Question 23
Which rule should you identify for each firewall?

Your network has a perimeter network and an internal network. A firewall named Firewall1 separates the perimeter network from the Internet. A firewall named Firewall2 separates the internal network from the perimeter network. You have a Lync Server 2013 infrastructure that contains an Edge Server and a reverse proxy server in the perimeter network. You plan to deploy XMPP federation. You need to identify which firewall rules must be created for the planned deployment. Which rule should you identify for each firewall? To answer, configure the appropriate rules in the dialog box in the answer area.

Correct Answer:

Explanation/Reference:

. If you plan to support the extensible messaging and presence protocol (XMPP) for your deployment, select the Enable XMPP federation (port 5269) check box (for the external edge server interface).
. The number 5269 and 23456 that is passed to findstr as a parameter instructs findstr to search the output of netstat for the strings 5269 and 23456. If XMPP is correctly configured, the result of the commands should result in listening and established connections, both on the external (port 5269) and the internal (port 23456) interfaces of the Edge Server.

Question 24
What is the minimum number of required regions, sites, and subnets?
Your company has two offices. One office is located in New York. The other office is located in Seattle. The offices contain five subnets. The subnets are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Floor</th>
<th>Subnet</th>
<th>Subnet mask</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>First</td>
<td>172.16.1.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>New York</td>
<td>Second</td>
<td>172.16.2.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>New York</td>
<td>Third</td>
<td>172.16.3.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>Seattle</td>
<td>First</td>
<td>172.16.4.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>Seattle</td>
<td>Second</td>
<td>172.16.5.0</td>
<td>255.255.255.0</td>
</tr>
</tbody>
</table>

You have a Lync Server 2013 infrastructure. All client computers have Microsoft Lync 2013 deployed. You plan to deploy Call Admission Control (CAC). You need to identify which network topology must be deployed for the planned deployment. The solution must ensure that different bandwidth policies can be applied to each floor of each office. What is the minimum number of required regions, sites, and subnets? To answer, select the appropriate number of regions, sites, and subnets in the answer area.

Hot Area:

Correct Answer:

Explanation/Reference:

Question 25
What should you identify?
You are evaluating the use of Microsoft Lync Online and Lync Server 2013. Your company has a sales department, a marketing department, and a research department. Each department gives you a list of required features as shown in the following table.
You need to identify which type of Lync deployment can be used for each department. What should you identify? To answer, select the valid type of Lync deployments for each department in the answer area.

**Hot Area:**

<table>
<thead>
<tr>
<th>Department</th>
<th>On-premises Lync Server 2013</th>
<th>Lync Online</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Correct Answer:**

<table>
<thead>
<tr>
<th>Department</th>
<th>On-premises Lync Server 2013</th>
<th>Lync Online</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>☒</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>☒</td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

**Lync Online**
Connect with others through instant messaging (IM), video calls, online meetings, and phone calls.

**Features**
- Get real-time presence information—including photos, availability status, and location—and enhanced instant messaging (IM) to connect efficiently and effectively. Make voice calls through your computer to other Lync users in your organization or in other organizations that use Lync.
- Create, moderate, and join pre-planned and on-the-fly audio, video, and web meetings with people inside and outside your organization.
- Enhance online presentations with screen-sharing and virtual whiteboards. Let customers participate in your Lync conference calls even if they are not Office 365 customers. Make and receive calls to any phone number via partner calling service with Lync-to-phone.

**Question 26**
Which tools should you identify?
You have a Microsoft Office 365 subscription. Microsoft Lync Online is enabled for all users. You need to identify which tools must be used to perform the following actions:
- View the Microsoft Lync client tracing logs.
- Verify the DNS records for the Lync Online mobile clients.
- Test the connection quality to the Lync Online data center.
- Collect the client system configurations and the application configurations. Which tools should you identify? To answer, drag the appropriate tools to the correct actions 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.

**Select and Place:**

**Correct Answer:**

Explanation/Reference:

Box 1: Snooper utility

Box 2: Microsoft Office Communications Server Remote Connectivity Analyzer

Box 3: Office 365 Lync Online Transport Reliability IP Prope (TRIPP) tool

Box 4: Microsoft Online Service Diagnostics and Logging (MOSDAL) Support Toolkit

Lync Online – Transport Reliability IP Probe (TRIPP Tool) This reliability tool tests your Internet connection to a Microsoft Lync Online Service data center and measures the response times, bandwidth, allowed ports, route taken, and overall connection quality with respect to Real Time Media. There salts can help you evaluate your network configuration for potential use with the Microsoft Lync Online Service. This tool does not engage any of the offerings from Microsoft Lync Online Service.

Microsoft Office Communications Server Remote Connectivity Analyzer The Office Communications Server Remote Connectivity Analyzer is a great tool for performing testing, troubleshooting, and diagnostics on Communications Server 2007 and Communications Server 2007 R2 deployments, and should server as your initial step when attempting to troubleshoot a Communications Server Edge Server connectivity issue. The Office Communications Server Remote Connectivity Analyzer is a web site that Communications Server administrators can use to validate and diagnose end-to-end Communications Server scenarios. The site simulates multiple Office Communications Server client access scenarios from outside the customer’s infrastructure and reports whether the test was successful. If the test fails, the tool informs you exactly where in the process the test failed, as well as provides troubleshooting tips about resolving the issue.

The Microsoft Online Services Diagnostics and Logging (MOSDAL) Support Toolkit performs network diagnostics and collects system configuration, network configuration, and logging information for applications that are used to connect to Microsoft Business Productivity Online Standard Suite (BPOS-S) or to Microsoft Office 365. The logs and diagnostic information that the tool generates provide data that helps technical support professionals troubleshoot configuration, network, installation, and other service-related issues. The MOSDAL Support Toolkit collects log files, registry keys, and configuration settings that would otherwise require time-consuming and labor-intensive collection by using separate tools.

Question 27
Which cmdlet should you run?
You have a Lync Server 2013 infrastructure.
You plan to deploy E911 services.
You configure Lync Server to require that each user has a location.
You configure a location for each subnet. Users report that when they sign in to Microsoft Lync 2013 on the internal network, they are prompted for their location information. You need to prevent the users from being prompted for their location information when they sign in to Lync on the internal network. Which cmdlet should you run?
A. Publish-CsLISConfiguration
B. Export-CsLISConfiguration
C. Publish-CsTopology
D. Set-CsNetworkSubnet
Correct Answer: A
Explanation/Reference:

Question 28
Which two actions should you perform?
Your company has a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2010 Service Pack 2 (SP2) organization.
The Lync Server 2013 infrastructure has Enterprise Voice enabled and uses a global four-digit dial plan.
The Exchange Server organization has Unified Messaging (UM) enabled and uses a four-digit UM dial plan named DialPlan1. All dialing restrictions are set to allow All. You need to ensure that only the users in the research department can use the Play on Phone feature.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)
A. Modify the default UM mailbox policy.
B. Modify DialPlan1.
C. Create a new hunt group.
D. Create a new UM mailbox policy.
E. Create a new UM dial plan.
Correct Answer: AD
Explanation/Reference:

Question 29
Which cmdlet should you run?
You are the administrator of a Lync Server 2013 infrastructure. You need to add a private line for an Enterprise Voice-enabled user. Which cmdlet should you run?
A. Grant-CsVoicePolicy
B. Set-CsUser
C. Enable-CsUser
D. New-CSAnalogDevice
Correct Answer: B
Explanation/Reference:

Question 30
Which match patterns should you use in the normalization rules?
Your company has two offices. The offices are located in New York and Amsterdam. The dialing habits of the users in each office are shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Phone number range</th>
<th>Dialing habit</th>
</tr>
</thead>
</table>
| New York | +1 212 555 1000 - 3000 | - Local PSTN: 10-digit phone number  
- Long distance calls within North America: 1 + 10-digit phone number  
- International calls outside of North America: 011 + phone number |
| Amsterdam| +31 20 1234 500 - 510 | - Local PSTN: 7-digit phone number  
- Long distance calls within the Netherlands: 0 + 9-digit phone number  
- International: 00 + phone number |

You need to create a dial plan for the users in the Amsterdam office. Which match patterns should you use in the normalization rules? To answer, select the appropriate match patterns in the answer area.

Hot Area:

```
Correct Answer:

Answer Area

Local PSTN:
- (d{7})
- ^0(d{9})$
- Long distance within the Netherlands:
- (d{8})$
- International:
- ^0(d{10})$
- ^00(d{9})$
```

Explanation/Reference:
- `(d{7})$`: Local seven-digit number
- `^0(d{9})$`: Long distance within Netherlands. Add prefix 0
- `International. Add prefix 00`

Question 31
Which four actions should you perform?
You have a Lync Server 2013 infrastructure. You have one Enterprise Edition pool named pool1.contoso.com. Enterprise Voice is enabled for all users. You have a PSTN gateway named mg1.contoso.com that does not support secure signaling. The Encryption support level of the global trunk configuration is set to Not Supported. You add a second PSTN gateway named mg2.contoso.com. The SIP General parameters for mg2.contoso.com are configured as shown in the following table.

On mg2.contoso.com, you generate and install a certificate from an internal certification authority (CA). You need to ensure that Lync Server 2013 can use both PSTN gateways to make calls on the PSTN. Which four actions should you perform? To answer, move the four appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

Explanation/Reference:
When defining a PSTN gateway in Topology Builder, you must define a root trunk to successfully add the PSTN gateway to your topology. The root trunk cannot be removed until the associated PSTN gateway is removed.

Question 32
Which cmdlet should run?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2013 organization. Enterprise Voice and Unified Messaging (UM) are enabled for all users. You plan to hire several new employees. You need to configure a personal auto attendant for the new employees. Which cmdlet should run?
A. New-InboxRule
B. New-UmAutoAttendant
C. New-UmMailboxPolicy
D. New-UmCallAnsweringRule
Correct Answer: B
Explanation/Reference:
SAM Comments – have corrected this and as well tested practically.

Question 33
What should you deploy?
Your company has an Active Directory forest named contoso.com. All users log in to the forest by using their UPN. You have a Microsoft Exchange Server 2010 Service Pack 2 (SP2) organization. You purchase a Microsoft Office 365 subscription. You need to enable Microsoft Lync Online to meet the following requirements:
Users must use the same credentials for on-premises Exchange Server and Office 365. Users must be able to invite other company users to online meetings by using Microsoft Outlook 2010. What should you deploy? 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.
Select and Place:

Correct Answer:

Explanation/Reference:
Box 1: Active Directory Federation Services (AD FS) 2.0
Box 2: Microsoft Online Services Directory Synchronization
Box 3: Conferencing Add-on for Outlook
Note:
. Active Directory Federation Services (AD FS) 2.0 helps simplify access to applications and other systems with an open and interoperable claims-based model.
. ADFS or Active directory Federation Service is to deploy a new AD FS 2.0 infrastructure to provide your Active Directory users, who are logged on to computers located physically on the corporate network or that are logged on remotely to the corporate network, with single sign-on access to Office 365 services using their corporate domain credentials. Once you have deployed your AD FS 2.0 production environment on-premises, you will need to establish a relying party trust relationship between the AD FS 2.0 federation server farm and Office 365. This relying party trust acts as a secure channel where authentication tokens can safely pass between your organization and Office 365 in order to facilitate single sign-on access to Office 365.
. The Microsoft Online Services Directory Synchronization tool is an application that runs Active Directory synchronization for Microsoft Office 365 for enterprises. An administrator should install this tool and run it on only one computer on your company’s local network.
. With the Microsoft Conferencing Add-in for Microsoft Office Outlook, you can do the following without leaving the Office Outlook messaging and collaboration client:
. Schedule a meeting in the same way that you book a conference room and invite attendees to other meetings.
. Set Live Meeting service Meeting Options
. Schedule a conference call

Question 34
Which environment should you identify for each action?
You have a Lync Server 2013 infrastructure. You plan to configure Exchange Online to host voice mail. You need to identify where to perform the following actions:
. Configure the hosted voice mail policy.
. Set the external access number for the voice mail.
. Enable a user for Unified Messaging (UM).
. Configure the Contact object used for the hosted voice mail.
. Define a Unified Messaging (UM) IP gateway.
Which environment should you identify for each action? To answer, select the appropriate environment for each task in the answer area.
Hot Area:
Correct Answer:

Question 35
Which two cmdlets should you run?
You have a Lync Server 2013 infrastructure. You need to prevent the users in the legal department from forwarding calls. Other users must be able to forward calls. Which two cmdlets should you run? (Each correct answer presents part of the solution. Choose two.)
A. Grant-CsMobilityPolicy
B. New-CsVoicePolicy
C. Grant-CsVoicePolicy
D. New-CsMobilityPolicy
E. Set-CsVoicePolicy

Correct Answer: BC

Question 36
Which match patterns should you use in the normalization rules?
Your company has two offices. The offices are located in New York and Amsterdam. The dialing habits of the users in each office are shown in the following table.
You need to create a dial plan for the users in the New York office. Which match patterns should you use in the normalization rules? To answer, select the appropriate match patterns in the answer area.

Correct Answer:

- `^(d{10})$`
  - Translates 10-digit numbers in the United States (local PSTN)
- `^1(d{10})$`
  - Translates numbers with long distance prefixes in the United States
- `^011(d*)$`
  - Translates numbers with international prefixes in the United States

Explanation/Reference:

- `^(d{10})$`
  - Translates 10-digit numbers in the United States (local PSTN)
- `^1(d{10})$`
  - Translates numbers with long distance prefixes in the United States
- `^011(d*)$` (similar)
  - Translates numbers with international prefixes in the United States

Question 37

Which two actions should you perform?

You have a Lync Server 2013 infrastructure that has Enterprise Voice enabled. You need to ensure that users can place a call on hold, and can then retrieve the call later by dialing a number from any phone. The solution must ensure that if a call is on hold for four minutes, the call is automatically forwarded to the receptionist. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Create a Call Park orbit.
B. Modify the global voice policy.
C. Modify the global dial plan.
D. Modify the Call Park settings.
E. Create a static route.
Correct Answer: AD
Explanation/Reference:
http://technet.microsoft.com/en-us/library/gg412721.aspx is where we see that you need to set the Call Park Service settings in order to change the timeout from the default 1:30 to 4:00
Although Call Park needs to be enabled as well. See http://technet.microsoft.com/en-us/library/gg182611.aspx

Question 38
Which settings should you configure?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2010 Service Pack 2 (SP2) organization. All users are enabled for Enterprise Voice and Unified Messaging (UM). Lync Server and Exchange Server are configured to use DTMF only. Your company owns a phone number range of 1 (425) 555-5001 to 1 (425) 555-5999. You have normalization rules that transform four-digit and 10-digit numbers. You need to ensure that when callers call the company’s main phone number, the following occurs:
If a caller dials 0, the call is transferred to the receptionist. If a caller dials 1, the call is transferred to extension number 5001. If a caller waits on the line without dialing a number, the call is automatically transferred to the receptionist. Which settings should you configure? To answer, drag the appropriate settings to the correct caller actions in the answer area. Each setting 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.
Select and Place:

Correct Answer:
**Question 39**
Which cmdlet should you run?

You have a Lync Server 2013 infrastructure that has Enterprise Voice enabled. When a caller dials an unassigned number, the caller hears a custom message, and then the caller is forwarded to a user named User1. Several months later, User1 leaves the company. You need to ensure that when a caller dials an unassigned number, the caller hears the custom message and is forwarded to a user named User2. Which cmdlet should you run?

A. Set-CsUnassignedNumber  
B. Set-CsAnnouncement  
C. Set-CsUser  
D. Set-CsVoiceRoute

Correct Answer: B

**Explanation/Reference:**

**Question 40**
What should you do?

Users frequently travel between the offices. The company plans to deploy Lync Server 2013 and Enterprise Voice. A pool will be deployed to each office. You need to ensure that if a user dials 911 from any of the offices, the call is routed to the local emergency services provider for that office. What should you do?

A. From the Lync Server 2013, Topology Builder, create a central site for each office. Deploy one pool to each site. From the Microsoft Lync Server 2013 Control Panel, create a single location policy.  
B. From the Lync Server 2013, Topology Builder, create one central site. Deploy all pools to the central site. From the Microsoft Lync Server 2013 Control Panel, modify the global location policy.  
C. From the Lync Server 2013, Topology Builder, create a central site for each office. Deploy one pool to each site. From the Microsoft Lync Server 2013 Control Panel, create a user-level location policy for each location. Assign the respective user-level location policy to the users in each office.  
D. From the Lync Server 2013, Topology Builder, create one central site. Deploy all pools to the central site. From the Microsoft Lync Server 2013 Control Panel, modify the global location policy.

Correct Answer: A

**Explanation/Reference:**

**Question 41**
What should you include in the recommendation?

You are planning a Lync Server 2013 Edge Server deployment. A network administrator gives you nine public IP addresses for the planned deployment. You need to recommend an Edge Server deployment that meets the following requirements:

- Remote users must be able to access conferences.
- A different public IP address must be assigned to each Edge service.
- Users must be able to sign in from a Microsoft Lync mobile client.
- Users must be able to communicate with partners who are enabled for XMPP.
Remote users must be able to access the Lync Server infrastructure if an Edge Server fails. What should you include in the recommendation?

A. Two Edge Servers that use DNS load balancing
B. Three Edge Servers that use DNS load balancing
C. Three Edge Servers that use hardware load balancing
D. Two Edge Servers that use hardware load balancing

Correct Answer: A
Explanation/Reference:

Question 42
Which three tasks should you identify?
You have a server named Lync1 that has Lync Server 2013 Standard Edition deployed. Lync1 has Web Conferencing enabled. All client computers have Microsoft Lync 2013 deployed. The network supports Differentiated Services (DiffServ). The company plans to implement Quality of Service (QoS) for all Lync Server audio traffic. You need to identify which tasks must be performed to configure QoS. Which three tasks should you identify? (Each correct answer presents part of the solution. Choose three.)
A. Configure Lync 2013 to use a specific port range for audio.
B. Configure a QoS policy to use a specific port range for audio.
C. Create a voice policy and a location policy.
D. Set the Differentiated Services Code Point (DSCP) values used for audio as a priority.
E. Configure Call Admission Control (CAC) for all subnets that contain Lync 2013 clients.

Correct Answer: ABD
Explanation/Reference:

Question 43
What should you do next?
Your network contains four servers. The servers are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Server name</th>
<th>Software</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server1</td>
<td>Lync Server 2013</td>
<td>Front End Server</td>
</tr>
<tr>
<td>Server2</td>
<td>Lync Server 2013</td>
<td>Edge Server</td>
</tr>
<tr>
<td>Server3</td>
<td>Microsoft Exchange Server 2010 Service Pack 2 (SP2)</td>
<td>Edge Transport Server</td>
</tr>
<tr>
<td>Server4</td>
<td>Microsoft Exchange Server 2010 Service Pack 2 (SP2)</td>
<td>Mailbox server</td>
</tr>
</tbody>
</table>

You need to configure backend integration between Lync Server 2013 and Exchange Server 2010 Unified Messaging (UM). You create a dial plan and an auto attendant in the Exchange Server organization. What should you do next?
A. On Server1, run ocsumutil.exe.
B. On Server2, run ocsumutil.exe.
D. On Server4, run exchucutil.ps1.

Correct Answer: D
Explanation/Reference:

Question 44
What should you do?
Your company has two offices. One office is located in New York. The other office is located in Seattle. Each office has a media gateway that supports media bypass. Media bypass is enabled. The offices contain five subnets. The subnets are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Floor</th>
<th>Subnet</th>
<th>Subnet mask</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>First</td>
<td>172.16.1.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>New York</td>
<td>Second</td>
<td>172.16.2.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>New York</td>
<td>Third</td>
<td>172.16.3.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>Seattle</td>
<td>First</td>
<td>172.16.4.0</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>Seattle</td>
<td>Second</td>
<td>172.16.5.0</td>
<td>255.255.255.0</td>
</tr>
</tbody>
</table>

You have a Lync Server 2013 infrastructure. All client computers have Microsoft Lync 2013 deployed. Monitoring reports show that the client computers are not using media bypass. You run the Get-CsNetworkSubnet cmdlet and you receive the following result:
Identity: 172.16.0.0
MaskBits: 22
Description: New York
NetworkSiteID: New York
SubnetID: 172.16.0.0
Identity: 172.16.4.0
MaskBits: 23
Description: Seattle
NetworkSiteID: Seattle
SubnetID: 172.16.4.0
You need to ensure that all of the client computers use media bypass. What should you do?
A. Delete the existing subnets. Create a single subnet entry for North America that uses a 16-bit mask.
B. Configure the subnet in the New York office and the subnet in the Seattle office to use a 24-bit mask.
C. Delete the existing subnets. Create five subnet entries that each uses a 24-bit mask.
D. Delete the existing subnets. Create five subnet entries that each uses a 16-bit mask.

Correct Answer: C
Explanation/Reference:

Question 45
How much bandwidth should you identify for each link?
Your company has three offices. The network is configured as shown in the exhibit. (Click the Exhibit button.)
You have a Lync Server 2013 infrastructure. All of the Lync Server components are located in the Amsterdam office. You need to identify how much bandwidth will be used on each link during a conference call. The conference call will contain the attendees shown in the following table.

<table>
<thead>
<tr>
<th>Attendee location</th>
<th>Number of attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seattle</td>
<td>50</td>
</tr>
<tr>
<td>Redmond</td>
<td>10</td>
</tr>
<tr>
<td>Amsterdam</td>
<td>100</td>
</tr>
<tr>
<td>Internet (Remote)</td>
<td>20</td>
</tr>
</tbody>
</table>

Each audio call consumes 100 kilobits per second (Kbps). How much bandwidth should you identify for each link? To answer, drag the appropriate bandwidth amounts to the correct links in the answer area. Each bandwidth amount 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.

Exhibit:

Correct Answer:

<table>
<thead>
<tr>
<th>Bandwidths</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000 Kbps</td>
<td>WAN1: Bandwidth</td>
</tr>
<tr>
<td>2,000 Kbps</td>
<td>WAN2: Bandwidth</td>
</tr>
<tr>
<td>5,000 Kbps</td>
<td>Internet link: Bandwidth</td>
</tr>
<tr>
<td>6,000 Kbps</td>
<td></td>
</tr>
<tr>
<td>10,000 Kbps</td>
<td></td>
</tr>
<tr>
<td>15,000 Kbps</td>
<td></td>
</tr>
</tbody>
</table>

Explanation/Reference:
Box 1: 1,000 Kbps
Box 2: 6,000 Kbps
Box 3: 2,000 Kbps
* Wan 1: 10 attendees; 1000 Kbps
* Wan 2: 10 + 50 attendees; 6000 Kbps
* Internet: 20 attendees; 2000 Kbps

Question 46
Which node should you use from the Microsoft Lync Server 2013 Control Panel?
You have a Lync Server 2013 infrastructure that has conferencing and Enterprise Voice. You plan to optimize the traffic on the network for Enterprise Voice. You add information about the network sites and the network subnets. You need to enable media bypass for several of the network sites. Which node should you use from the Microsoft Lync Server 2013 Control Panel? To answer, select the appropriate node in the answer area.

Correct Answer:

Explanation/Reference:
To configure a network site and associate it with a network region, you can either use the Network Configuration section of Lync Server Control Panel, or run the Lync Server Management Shell New-CsNetworkSite or Set-CsNetworkSite cmdlets.

Question 47
Which three actions should you recommend?
You have a Lync Server 2013 infrastructure. Your network contains a single site. The site contains a Standard Edition server and multiple network segments. Each segment is associated to a different subnet. Some of the network segments are wireless and some are wired. You enable Enterprise
voice and deploy a Lync Server 2013 media gateway. You configure media bypass. You set media bypass to Always bypass. Call Admission Control (CAC) is disabled. Users on the wireless network report poor audio quality during calls to external phone numbers. The users report good audio quality during calls to other Lync Server 2013 users. You need to recommend changes to the infrastructure to improve the audio quality of calls for the wireless network users. Which three actions should you recommend? (Each correct answer presents part of the solution.
A. From the Microsoft Lync Server 2013 Control Panel, select Use sites and region configuration.
B. Associate the wireless subnets to the new site.
C. From the Microsoft Lync Server 2013 Control Panel, select Enable bypass for non-mapped sites.
D. Create a new network site.
E. From the Microsoft Lync Server 2013 Control Panel, select Enable call admission control.
F. Associate the wired subnets to the new site.

Correct Answer: ADF

Explanation/Reference:

SAM Comments – We have to associate the wired subnet because media bypass will use site n region configuration n will bypass only the wired subnet. With this config wireless subnet will not use media bypass n will take less bandwidth.

Question 48
How should you configure the URI type and the VoIP security in the dial plan?
You have a Lync Server 2013 infrastructure and a Microsoft Exchange Server 2013 organization. You enable Enterprise Voice for all users. You plan to implement Unified Messaging (UM). You need to configure a dial plan to ensure that all communication between Exchange Server 2013 and Lync Server 2013 is encrypted. How should you configure the URI type and the VoIP security in the dial plan? To answer, select the appropriate URI type and the VoIP security in the answer area.

Correct Answer:

Explanation/Reference:
The URI Type must be set to SIP URI and the VoIP Security was set to Secured.
Reference: Lync and Exchange UM Integration

Question 49
Which trunk should you identify for each number?
You have a Lync Server 2013 infrastructure that contains a voice policy named Policy1. Policy1 contains local and national PSTN usages. You have a dial plan named DialPlan1. DialPlan1 is configured as shown in the following table.
The Lync Server infrastructure contains four routes. The routes are configured as shown in the following table.

You create a test user who has the following configurations:
- Line URI: +31201234567
- Voice policy: Policy1
- Dial plan: DialPlan1
You need to identify which trunks will be used when the following numbers are dialed by the test user:

- 0881234567
- 0884567890

Which trunk should you identify for each number? To answer, select the appropriate trunk for each number in the answer area.

Correct Answer:

<table>
<thead>
<tr>
<th>Number</th>
<th>Trunk 1</th>
<th>Trunk 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0881234567</td>
<td>✔️</td>
<td></td>
</tr>
<tr>
<td>0884567890</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

Explanation/Reference:
Note: The third translation rule is applied. The 0 digit is replaced with +31.

SAM Comments – Not sure whether this answer is wrong or correct.
I tried doing the practical for this as well but not able to do as the Lync server was not able to take the pattern to match which is mentioned above. Might be some information is missing…

Question 50

Which tasks should you identify?
You need to identify which tasks can be performed by users who have the Response Group Administrator role and the Response Group Manager role.
Which tasks should you identify? To answer, select the appropriate tasks for each role in the answer area.

Correct Answer:

<table>
<thead>
<tr>
<th>Task</th>
<th>Response Group Administrator role</th>
<th>Response Group Manager role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure agents</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Delete agent groups</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Disable a Lync user</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Create a response group</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Modify the phone number of a response group</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Modify the phone number of an agent</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

Explanation/Reference:
Lync Server 2013 introduces a new Response Group Manager role. Now there are two management roles for response groups: Response Group Manager and Response Group Administrator. While Response Group Administrators can still configure any element for any response group,
Managers can configure only certain elements, only for response groups they own. This improvement in the administration model benefits Response Groups scalability, especially for large deployment scenarios.

**Question 51**
What should you identify?
Contoso, Ltd., has five offices. The offices are configured as shown in the exhibit. (Click the Exhibit button.)
Each office has a local connection to the PSTN.
The peak usage statistics are shown in the following table.

<table>
<thead>
<tr>
<th>Office</th>
<th>Number of calls</th>
<th>Percentage of calls to North America</th>
<th>Percentage of calls to Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redmond</td>
<td>10</td>
<td>50 percent</td>
<td>50 percent</td>
</tr>
<tr>
<td>Seattle</td>
<td>100</td>
<td>80 percent</td>
<td>20 percent</td>
</tr>
<tr>
<td>Amsterdam</td>
<td>50</td>
<td>20 percent</td>
<td>80 percent</td>
</tr>
<tr>
<td>Berlin</td>
<td>20</td>
<td>0 percent</td>
<td>100 percent</td>
</tr>
<tr>
<td>Paris</td>
<td>20</td>
<td>50 percent</td>
<td>50 percent</td>
</tr>
</tbody>
</table>

Every audio call consumes 100 kilobits per second (Kbps). You plan to replace the PSTN connection with a centralized SIP trunking service. The service will contain a SIP trunk in the Seattle office and a SIP trunk in the Amsterdam office. The solution will use least cost routing. You need to identify the maximum amount of bandwidth that will be used by each SIP trunk. What should you identify?

**Exhibit:**

Select and Place:

**Correct Answer:**

**Explanation/Reference:**

Since both SEA and ASD have SIP trunk to internet.
NA calls: Redmond 10 *0.5 =5
Seattle: 100*0.8=80
Amsterdam: 50*0.2=10
Berlin: 20 *0=0
Paris: 20*0.5=10
Total: 105 * 100K = 10,500 kbps
Eu calls: Redmond 10 *0.5 =5
Seattle: 100*0.2=20
Amsterdam: 50 * 0.8 = 40
Berlin: 20
Paris: 20 * 0.5 = 10
Total: 95 * 100K = 9,500 kbps
Dump4Certs says:
Box 1: 9,500 Kbps
Box 2: 9,500 Kbps
Transatlantic calls:
  - Amsterdam: 10
  - Berlin: 0
  - Paris: 10
  - Seattle: 20
  - Los Angeles: 5
Total number of transatlantic calls: 45
Total bandwidth needed: 5760 Kbps (45 x 128 kbps)
  - Amsterdam + Berlin + Paris calls to North America: 50 calls x 20% (calls to N.A) x 128 kbps + (berlin) + 20 x 50 x 128 kbps equals 1280 Kbps + 1280 Kbps equals 2560 Kbps
  - Seattle: 100 calls x 20% (calls to Europe) x 128 kbps equals 2560 Kbps

**Question 52**
What should you configure?
You have a Lync Server 2013 infrastructure. A user named Executive1 has an assistant named Assistant1. Assistant1 is configured as a delegate and receives all of the calls for Executive1. You need to modify the current voice solution to meet the following requirements:
  - Ensure that some of the calls from other executives to Executive1 only ring on the Microsoft Lync 2013 client of Executive1.
  - Ensure that Executive1 can receive the calls from the other executives when his presence status is set to Do Not Disturb.
What should you configure?
A. A private line
B. Call Park
C. Simultaneous ring
D. A response group
Correct Answer: A
Explanation/Reference:

**Question 53**
Which two solutions should you recommend?
You have a Lync Server 2013 infrastructure that contains four servers. The servers are configured as shown in the following table.

<table>
<thead>
<tr>
<th>Server name</th>
<th>Role</th>
<th>Average CPU utilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server1</td>
<td>Front End Server</td>
<td>60 percent</td>
</tr>
<tr>
<td>Server2</td>
<td>Front End Server</td>
<td>60 percent</td>
</tr>
<tr>
<td>Server3</td>
<td>SQL Server Back End</td>
<td>50 percent</td>
</tr>
<tr>
<td>Server4</td>
<td>SQL Server Back End</td>
<td>50 percent</td>
</tr>
</tbody>
</table>

The Lync Server infrastructure contains a hardware load balancer name HLB1. The company has an IP-PBX. The IP-PBX supports media bypass. The IP-PBX has a SIP trunk configured. Each user has a desktop phone that connects to the IP-PBX. Each laptop user has a Lync-certified headset. The company plans to implement Enterprise Voice and to use existing SIP trunks. You need to recommend a Mediation Server deployment that meets the following requirements:
Remote users must be able to place calls to any desk phone if a single server fails. The degradation of call quality must be minimized during peak usage hours. Which two solutions should you recommend? (Each correct answer presents a complete solution. Choose two.)
A. Create a Mediation Server pool that contains HLB1.
B. Install the Mediation Server role on Server1 and Server2.
C. Install the Mediation Server role on Server3 and Server4.
D. Create a Mediation Server pool that contains Server2 and Server4.
E. Create a Mediation Server pool that contains two new servers.
Correct Answer: BE
Explanation/Reference:
S4M Comments – The question at the end says for 2 Solutions n that is why the 2 solutions r B n E.

**Question 54**
What should you do?
Your company has a Microsoft Office 365 subscription. The company uses Microsoft Lync Online. You need to ensure that Lync Online users can use dial-in conferencing. The solution must minimize costs.
What should you do?
A. Deploy an Edge Server and add a hosting provider to the server.
B. Deploy an Edge Server and configure the A/V Edge service on the server.
C. Deploy an A/V Conferencing pool.
D. Set up an account with a third-party audio conferencing provider.
Correct Answer: D
Explanation/Reference:

**Question 55**
Which three tasks should you perform?
You purchase a Microsoft Office 365 subscription and configure the pilot users to use the @contoso.onmicrosoft.com UPN suffix. You need to ensure that the pilot users can perform the following actions:
  . Join meetings.
  . Use a SIP address that has the @online.contoso.com suffix.
  . Communicate with users who are hosted on Lync Server 2013.
Which three tasks should you perform? (Each correct answer presents part of the solution. Choose three.)
A. From the Lync Online Control Panel, set up federation to contoso.com.
B. From the Lync Server Control Panel, set up federation to online.contoso.com.
C. From the Lync Server Control Panel, set up federation to contoso.onmicrosoft.com.
D. From the Lync Server Control Panel, update the user SIP addresses of the users to @online.contoso.com.
E. From the Lync Online Control Panel, update the SIP addresses of the users to @online.contoso.com.
Correct Answer: ACD
Explanation/Reference:

Question 56
Which two actions should you recommend?
You are evaluating the migration of 20 pilot users to Office 365.
You need to recommend which actions must be performed to migrate the pilot users. The solution must ensure that the pilot users have only one SIP URI after they migrate.
Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)
A. Deploy Active Directory Federation Services (AD FS).
B. Add a new SIP domain to the Lync Server 2013 infrastructure of Contoso.
C. Create new Office 365 accounts.
D. Install the Microsoft Online Services Directory Synchronization tool.
E. Remove the users from the Lync Server 2013 infrastructure of Contoso.
Correct Answer: BD
Explanation/Reference:

Question 57
Which five actions should you recommend in sequence?
You install a new server named UM1 that has Exchange Server 2010 deployed. UM1 has the Unified Messaging server role installed.
You need to recommend which actions must be performed to configure a certificate for UM1.
Which five actions should you recommend in sequence? (To answer, move the appropriate five actions from the list of actions to the answer area and arrange them in the correct order.)
Select and Place:

Correct Answer:
Explanation/Reference:

| Box 1: Install the root certificate of CA1 in the Trusted Root Certificate Authorities store. |
| Box 2: Generate a certificate request that contains a subject name of um1.contoso.com |
| Box 3: Process the certificate request at CA1. |
| Box 4: Run the Enable-ExchangeCertificate cmdlet. |
| Box 5: Run the Import-ExchangeCertificate cmdlet. |

Note:

* **Enable-ExchangeCertificate**
  Use the Enable-ExchangeCertificate cmdlet to enable an existing certificate in the local certificate store for Exchange services such as Internet Information Services (IIS), SMTP, POP, IMAP, and Unified Messaging (UM).
  The Enable-ExchangeCertificate cmdlet enables certificates by updating the metadata stored with the certificate. To enable an existing certificate to work with additional Exchange services, use the Enable-ExchangeCertificate cmdlet and specify the additional services.

* **Import-ExchangeCertificate**
  Use the Import-ExchangeCertificate cmdlet to import a certificate or chain of certificates.
  You can use the Import-ExchangeCertificate cmdlet for the following purposes:
  / To import a certificate or chain of certificates from a PKCS #7 file that has been signed by a certification authority (CA).
  / To import an existing certificate and private key from a PKCS #12 (.pfx or .p12) file to the certificate store on the local computer.

**Question 58**

Which alias (CNAME) record should you create in the internal DNS domain?

You have an Active Directory domain named contoso.com. Your company has a Microsoft Office 365 subscription. Twenty users are enabled for Microsoft Lync Online. The users frequently travel. The users report that they receive the following error message when they attempt to sign in to Microsoft Lync from the office: “Cannot sign in because the server is temporarily unavailable. If the problem continues, please contact your support team.” You verify that the users can sign in to Lync when they connect from the Internet.

You need to ensure that all of the users can sign in to Lync. Which alias (CNAME) record should you create in the internal DNS domain?

To answer, select the appropriate record name and the appropriate record target in the answer area.

Correct Answer:

<table>
<thead>
<tr>
<th>Record name</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>sip.contoso.com</td>
<td>sip.contoso.com</td>
</tr>
<tr>
<td>lync.contoso.com</td>
<td>lync.contoso.com</td>
</tr>
<tr>
<td>online.lync.com</td>
<td>online.lync.com</td>
</tr>
</tbody>
</table>

Explaination/Reference:

Note:

- The FQDN must be the primary on the cert or be a SAN entry for the cert. Usually, the FQDN would be sip.mydomain.com. Create a SRV record for sip to point to the real FQDN of the host.

- The Lync 2013 Preview client can be set to use manual configuration to check whether the sign in issue is related to DNS resolution issues. If manual configuration works and automatic configuration doesn’t work, it usually indicates a problem with DNS resolution. This usually occurs because the DNS SRV records aren’t present or are inaccessible from the client computer. To set Lync 2013 Preview to use manual configuration, follow these steps:
In the upper-right area of Lync 2013 Preview, click the Gear icon to open the Options page.
In the Lync – Options dialog box, click Personal.
Next to the sign-in address, click Advanced.
Make sure that Manual Configuration is selected and that the configuration values are exactly as follows:
Internal server name or IP address: sipdir.online.lync.com:443
External server name or IP address: sipdir.online.lync.com:443

Question 59
What should you do?
Your network contains the servers shown in the following table.
You configure the infrastructure to use hosted Exchange Unified Messaging (UM). You need to create a new contact object for the hosted UM auto attendant. What should you do?
A. From Server1, run ocsunutil.exe.
B. From Server3, run the exchucutil.ps1 script.
C. From Server3, run the New-MailContact cmdlet.
D. From Server1, run the New-CsExUmContact cmdlet.

Correct Answer: D
Explanation/Reference:
http://lync70337.freeforums.org/viewtopic.php?forum_uri=you-need-to-create-a-new-contact-object-for-the-hosted-um&start=24&sid=ebad3f9a56566938c8375b22c005051e

Question 60
Which four actions should you recommend in sequence?
You need to recommend a solution to meet the technical requirements for RG1.
Which four actions should you recommend in sequence? (To answer, move the list of actions to the answer area and arrange them in the correct order.)
Select and Place:

Correct Answer:
Box 1: Run Export-CsRgsConfiguration

Box 2: Restores the Central Management store to a server in the New York Office.

Box 3: Run Import-CsRgsConfiguration.

Box 4: Instruct all of the members of RG1 who are configured as formal agents to sign in again.

Note:
* From scenario:
/ You have a response group named RG1.
/ RG1 must be used by the users in the New York office if the network in the Denver office is unavailable for an extended period of time.
/ Contoso plans to implement the following changes to the network:
Establish new branch offices in New York and Montreal that connect to the Denver office by using a WAN link
* (box 1, box 3) Export-CsRgsConfiguration
Exports data from an existing Response Group application configuration. This data, saved as a .ZIP file, can later be imported using the Import-CsRgsConfiguration cmdlet.
* (box 4) 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. An agent who does not sign in or out of the group is called an informal agent. Informal agents are automatically signed in to the group when they sign into Lync Server, and they cannot sign out of the group.

Question 61
What should you configure from the Lync Server 2013 Control Panel?
You need to configure the Lync Server 2013 infrastructure for the planned integration of the A.Datum users.
What should you configure from the Lync Server 2013 Control Panel? (To answer, drag the appropriate names to the correct locations. Each name may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)
Select and Place:
Correct Answer:

<table>
<thead>
<tr>
<th>Names</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adatum.com</td>
<td>Lync Server 2013</td>
</tr>
<tr>
<td>Contoso.com</td>
<td></td>
</tr>
<tr>
<td>Push.lync.com</td>
<td></td>
</tr>
<tr>
<td>Sip.online.lync.com</td>
<td></td>
</tr>
<tr>
<td>Sip.outlook.com</td>
<td></td>
</tr>
<tr>
<td>Sipfed.online.lync.com</td>
<td>Federation and</td>
</tr>
<tr>
<td></td>
<td>External Access</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monitoring and</td>
</tr>
<tr>
<td></td>
<td>Archiving</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Security</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Network Configuration</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New SIP Federated Domains

- **Allowed domain**
  - Domain name (or FQDN):
  - Name
- **Access Edge service (FQDN):**
  - Name
- **Comment:**
Question 62
Which TCP ports should you include in the recommendation? You need to recommend which ports must be configured on the hardware load balancer to meet the technical requirements. Which TCP ports should you include in the recommendation?
A. 443 and 4443
B. 80 and 8080
C. 80, 5060, and 5061
D. 135, 443, and 8080

Correct Answer: A

Explanation/Reference:

Question 63
What should you include in the Windows PowerShell command? You need to configure the Lync Server 2013 infrastructure to meet the technical requirements for simultaneous ring. What should you include in the Windows PowerShell command? (To answer, select the appropriate PowerShell cmdlet and parameter in the answer area.)

Correct Answer: 

Explanation/Reference:
Question 64
Which two changes should you include in the recommendation?
You need to recommend changes to the Lync Server 2013 infrastructure to support the planned changes for federation.
Which two changes should you include in the recommendation? (Each correct answer presents part of the solution. Choose two.)
A. In the public DNS zone, create a new alias (CNAME) record named sipfederation.contoso.com
B. In the public DNS zone, create a new service location (SRV) record named _sipfederationtls._tcp.contoso.com
C. Deploy a hardware load balancer to the perimeter network
D. Deploy a Director to the perimeter network
Correct Answer: BC
Explanation/Reference:
From scenario:
Problem Statements
Users from other companies report that they fail to communicate with the users at Contoso by using federation.
That's because there is no DNS record for sipinternaltls in the external contoso.com DNS space.
SRV sipfederationtls_tcp.contoso.com 5061
The federated partner is running OCS R2, which doesn’t support DNS LB. And the requirements state that they must be able to communicate if an edge server fails. Only way around that is HLB. Also, question F7 references an HLB.

Question 65
What should you include in the design?
You need to design the dial plans for the Montreal and New York offices. The plans must meet the technical requirements.
What should you include in the design? (To answer, select the appropriate pattern match and translation rule in the answer area.)
Hot Area:

Question 66
Which two Windows PowerShell cmdlets should you run?
You need to resolve the federation issue with contoso.com. Which two Windows PowerShell cmdlets should you run? (Each correct answer presents part of the solution. Choose two.)
A. New-CsHostingProvider
B. Remove-CsAllowedDomain
C. New-CsAllowedDomain
D. Set-CsAllowedDomain
E. Remove-CsHostingProvider
F. Set-CsHostingProvider

Correct Answer: AC
Explanation/Reference:

* New-CsHostingProvider
Creates a new hosting provider for use in your organization. A hosting provider is a private third-party organization that provides instant messaging, presence, and related services for a domain that you would like to federate with. Hosting providers, such as Microsoft Lync Online 2010, differ from public providers (such as Yahoo!, MSN, and AOL) in that their services are not offered to the general public.

* New-CsAllowedDomain
Adds a domain to the list of domains approved for federation. After a domain has been approved for federation (by being added to the allowed list), your users can exchange instant messages and presence information with people who have accounts in the federated domain.

From Scenario:

/ The Lync Server 2013 infrastructure is configured to use federation with users at a partner company, which is named Contoso, Ltd. Contoso has a SIP domain named contoso.com. The users at Contoso use Microsoft Lync Online.
/ A change to the Lync services provider proxy URL recently caused the federation with contoso.com to become unavailable.

Question 67
What should you add?
You are implementing the Enterprise Voice solution.
You create the objects described as shown in the following table.

<table>
<thead>
<tr>
<th>Object name</th>
<th>Object description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSTN1</td>
<td>The PSTN usage record for international calls from the Montreal office</td>
</tr>
<tr>
<td>PSTN2</td>
<td>The PSTN usage record for international calls from the New York office</td>
</tr>
<tr>
<td>VR1</td>
<td>The voice route that uses the trunk in the Montreal office and is associated to PSTN1</td>
</tr>
<tr>
<td>VR2</td>
<td>The voice route that uses the trunk in the New York office and is associated to PSTN2</td>
</tr>
<tr>
<td>VP1</td>
<td>The voice policy for the Montreal office users</td>
</tr>
<tr>
<td>VP2</td>
<td>The voice policy for the New York office users</td>
</tr>
</tbody>
</table>

You need to recommend which action must be performed to meet the technical requirements for Enterprise Voice routing.
What should you add?
A. PSTN1 to VP2
B. PSTN1 to VP1
C. PSTN2 to VP2
D. PSTN2 to VP1

Correct Answer: B
Explanation/Reference:

Question 68
How should you configure each agent group?
You plan to implement the response group for the support staff and to create the agent groups shown in the following table.

<table>
<thead>
<tr>
<th>Group name</th>
<th>Group members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group1</td>
<td>All IT support users</td>
</tr>
<tr>
<td>Group2</td>
<td>All on call managers</td>
</tr>
</tbody>
</table>

You need to configure the agent groups to meet the response group requirements.
How should you configure each agent group? (To answer, select the appropriate options for each group in the answer area.)

Correct Answer:
Question 69
Which Windows PowerShell cmdlet should you run?
You need to implement the secondary phone numbers for the executives. The solution must meet the technical requirements.

Which Windows PowerShell cmdlet should you run?
A. Set-CsRgsConfiguration  
B. New-CsVoiceNormalizationRule  
C. Set-CsUser  
D. Set-CsVoicePolicy

Correct Answer: C
Explanation/Reference:

Question 70
What should you recommend?
You need to recommend which Lync Server 2013 solution must be deployed to the New York and Montreal offices to support the planned changes. The solution must meet the business goals.

What should you recommend? (To answer, select the appropriate components for each office in the answer area.)

Correct Answer:

New York:
- a Standard Edition Server
- a Survivable Branch Appliance
- a Survivable Branch Server
- two Enterprise Edition Servers in a pool

Montreal:
- a Standard Edition Server
- a Survivable Branch Appliance
- a Survivable Branch Server
- two Enterprise Edition Servers in a pool

Explanation/Reference:
SAM Comments – Corrected.

Question 71
Which rules should you implement?
You plan to modify the firewall in the Montreal office that connects to the Internet. You need to implement the inbound firewall rules to meet the security requirements for inbound AV connections.

Which rules should you implement? (To answer, configure the appropriate firewall rules in the answer area.)

Hot Area:
### Question 72
Which type of rule should you create?
You need to create a rule to meet the technical requirements for international dialing from the SIP trunk in the New York office.
Which type of rule should you create?
A. Called number translation  
B. Calling number translation  
C. Dialing  
D. Normalization  
Correct Answer: A

### Explanation/Reference:
- From scenario: IP address of the edge server is 131.107.1.1  
- The A/V Edge requirements for ports and protocol have changed in Microsoft Lync Server.

### Question 73
Which DHCP options should you include in the solution?
You need to configure DHCP to support the technical requirement for the Lync Phone Edition devices.
Which DHCP options should you include in the solution? (Each correct answer presents part of the solution. Choose all that apply.)
A. 40  
B. 43  
C. 80  
D. 120  
E. 144  
Correct Answer: BD

### Explanation/Reference:
- B: DHCP Option 43  
  Option 43 is not really a single option but a number of sub-options which tell the phone where to locate the Certificate Provisioning service on the Lync server.
- D: DHCP Option 120  
  Once the certificate is downloaded to the phone then a valid Lync registrar server needs to be located. The value of Option 120 will be the FQDN of the Lync server which will handle authentication requests from the phones.

### Question 74
What should you identify?

---

**Correct Answer:**

<table>
<thead>
<tr>
<th>Rule</th>
<th>Source IP</th>
<th>Source Port</th>
<th>Destination IP</th>
<th>Destination Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rule1</td>
<td>10.0.1.1</td>
<td>TCP 443</td>
<td>10.0.1.1</td>
<td>TCP 443</td>
</tr>
<tr>
<td></td>
<td>131.107.1.1</td>
<td>TCP 50,000 to 59,999</td>
<td>131.107.1.1</td>
<td>TCP 50,000 to 59,999</td>
</tr>
<tr>
<td></td>
<td>131.107.1.2</td>
<td>ANY</td>
<td>131.107.1.2</td>
<td>ANY</td>
</tr>
</tbody>
</table>

### Explanation/Reference:
- From scenario: IP address of the edge server is 131.107.1.1  
- 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  

You need to identify the minimum number of UM dial plans and access numbers required to support the technical requirement for subscriber access. What should you identify? (To answer, select the appropriate number of UM dial plans and access numbers in the answer area.)

Hot Area:

Number of access numbers:

1 2 3 4 5

Correct Answer:

Number of access numbers:

1 2 3 4 5

Number of access numbers:

1 2 3 4 5

Explanation/Reference:

**Question 75**
How many voice routes should you identify?
You need to identify the minimum number of voice routes that must be created to meet the technical requirements.
How many voice routes should you identify?
A. 1  
B. 2  
C. 4  
D. 40  
E. 270

Correct Answer: B
Explanation/Reference:

**Question 76**
How much bandwidth should you identify?
You need to identify the minimum amount of bandwidth required for each network connection to support the technical requirement for application sharing.
How much bandwidth should you identify? (To answer, select the appropriate amount of bandwidth for each network connection in the answer area.)

Hot Area:

- From the client computer of the conference presenter to a Front End pool:
- From a Front End pool to an Edge Server:
- From an Edge Server to the Internet:

Correct Answer:
Question 77
Which two sets of ports should you open?
An administrator makes several security changes to the firewalls.
After you deploy Enterprise Voice, remote users report that they fail to access their voice mail by using the Call Voice Mail option in the Lync client. You verify that the users can access their voice mail by dialing the subscriber access number. You need to ensure that the users can access their voice mail by clicking Call Voice Mail. Which two sets of ports should you open? (Each correct answer presents part of the solution. Choose two.)
A. TCP 443 and UDP 3478 on the internal firewall
B. TCP 443 and UDP 3478 on the external firewall
C. TCP 5062 and 8057 on the internal firewall
D. UDP 50,000 to 59,999 on the external firewall
E. TCP 5062 and 8057 on the external firewall
F. UDP 50,000 to 59,999 on the internal firewall

Correct Answer: AB
Explanation/Reference:
SAM Comments – Corrected
50000 to 59999 used for federation n the ques is not related to federation.

Question 78
What should you recommend?
You need to recommend a client configuration strategy to meet the requirements for the planned migration to Lync Online. What should you recommend?
A. Deploy a Group Policy object (GPO) that adds the msn.com domain to the Internet Explorer settings.
B. Enable public IM connectivity for each user.
C. Create a hosting provider for the msn.com domain,
D. Enable federation for each user.

Correct Answer: B
Explanation/Reference:

Question 79
Which components should you identify for each office?
You need to identify which Lync Server 2013 components must be deployed to each office to support the planned changes for voice resiliency. Which components should you identify for each office? To answer, select the appropriate component for each office in the answer area.

Hot Area:
The Survivable Branch Appliance is a purpose-built appliance to increase voice resiliency in branch-office scenarios.

Houston already has a Survivable Branch Appliance.
Miami and Los Angeles both need a Survivable Branch Appliance.

Question 80

Which two tools can achieve the goal?
You need to create the new Auto Attendant contact object. Which two tools can achieve the goal? (Each correct answer presents a complete solution.
Choose two.)
A. Ocsamutil.exe
B. New-ADUser
C. New-MailContact
D. Exchucutil.ps1
E. New-CsExUmContact

Correct Answer: AD

Explanation/Reference:
SAM Comments – Corrected.

Question 81

Which route should you assign to each PSTN usage?
You are evaluating the implementation of the gateway in the Los Angeles office. You need to ensure that least cost routing is used in the Los Angeles and Houston offices for local calls after the gateway is deployed. The solution must meet the technical requirements. Which route should you assign to
each PSTN usage? To answer, drag the appropriate route to the correct PSTN usage in the answer area. Each route 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.

Select and Place:

Correct Answer:

Explanation/Reference:
Box 1: LocalLa
Box 2: LocalHouston
Box 3: LDNY
Box 4: LDLA

Question 82
Which DNS records should you recommend creating?
Your need to recommend which DNS records must be created to support the planned migration to Lync Online. Which DNS records should you recommend creating? To answer, configure the appropriate record name and target in the dialog box in the answer area.

Hot Area:

Correct Answer:

Explanation/Reference:
- 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 83**
Which three actions should you perform?
You need to create the DHCP options required for Lync Phone Edition devices. 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.
Select and Place:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>From a Lync Server 2013 server, run <code>dhcppринтconfigscript.bat</code>.</td>
<td></td>
</tr>
<tr>
<td>Copy <code>dhcppринтconfigscript.bat</code> to a DHCP server.</td>
<td></td>
</tr>
<tr>
<td>From a DHCP server, run <code>dhcppринtconfigscript.bat</code>.</td>
<td></td>
</tr>
<tr>
<td>From a Lync Server 2013 server, run <code>dhcppринtutil.exe</code>.</td>
<td></td>
</tr>
<tr>
<td>Copy <code>dhcppринtconfigscript.bat</code> to a Lync Server 2013 server.</td>
<td></td>
</tr>
<tr>
<td>From a DHCP server, run <code>dhcppринtutil.exe</code>.</td>
<td></td>
</tr>
</tbody>
</table>

**Correct Answer:**

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>From a Lync Server 2013 server, run <code>dhcppринtconfigscript.bat</code>.</td>
<td></td>
</tr>
<tr>
<td>From a DHCP server, run <code>dhcppринтutil.exe</code>.</td>
<td></td>
</tr>
<tr>
<td>Copy <code>dhcppринtconfigscript.bat</code> to a DHCP server.</td>
<td></td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

- DHCPUtil does not configure the DHCP servers by itself. It delegates that responsibility to a script which can be changed to suit the organization’s need. After it calculates the values for various options, DHCPUtil passes these values to a script, which can then take appropriate action.
- `DHCPPринtconfigscript.bat` is one such script and is the one that ships with DHCPUtil.
- `DHCPPринtconfigscript.bat` cannot be used against any DHCP server other than the DHCP server feature included with Windows Server operating systems, unless you modify it.

Reference: Using DHCPUtil

**Question 84**
Which subnet or subnets should you identify for each office?
You need to plan the subnets for Call Admission Control (CAC) and media bypass. Which subnet or subnets should you identify for each office? To answer, drag the appropriate subnet or subnets to the correct office in the answer area. Each subnet 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.
Select and Place:
Explanation/Reference:
http://lync70337.freeforums.org/contoso-plan-the-subnets-for-call-admission-control-cac-t42.html
TechNet CLEARLY tells, with black letters on white background:
1) A/V EDGE to get involved in CAC-related Subnet definition and 2) YES we DO use 32-bit mask....
so for New York this is 131.107.100.3/32 ...
NO .../24: why include WHOLE subnet where we only need public IP of A/V Edge?
First all, the question is ‘for CAC and media bypass’.
Now, from link: http://technet.microsoft.com/en-us/library/gg398585.aspx, we know
Media bypass and bandwidth reservation are mutually exclusive. If a media bypass is employed for a call, call admission control is not performed for that call. The assumption here is that there are no links with constrained bandwidth involved in the call. If call admission control is used for a particular call that involves the Mediation Server, that call cannot employ media bypass.

For CAC itself, link: http://technet.microsoft.com/en-us/library/gg398334.aspx. Read bottom of the page, “it is important that subnets entered during network configuration on the server are actual subnets instead of virtual subnets”. It explained why 192.168.8.21/23, 30.0/23, ..
If you deploy Audio/Video Edge Server, the public IP addresses of each Edge Server must be associated with the network site where the Edge Server is deployed. Each public Ip address of the A/V Edge Server must be added to your network configuration settings as a subnet with a subnet mask of 32.
The 192.168.x.x configurations has per defined in scenario.
Then we need a public network address for New York. We must not use the /32 network mask.

Question 85
What should you include in the normalization rule?
You need to ensure that the Miami users can use a five-digit extension when they call the Los Angeles users. What should you include in the normalization rule? To answer, configure the appropriate match pattern and translation pattern in the dialog box in the answer area.

Correct Answer:
Normalization Rules Using .NET Framework Regular Expressions Sample Rule:
^5(d{4})$  
Translates 5-digit extensions  
Translation: +142555551  
Example: 50100 is translated to +14255550100  
Reference: Dial Plans and Normalization Rules

Question 86
Which four actions should you perform?
You need to configure the unassigned numbers range to support the planned changes. Which four actions should you perform? To answer, move the four appropriate actions from the list of actions to the answer area and the correct order.
Select and Place:

Create an unassigned number range.
Create an .mp3 file that contains the announcement.
Run the `New-CsAnnouncement` cmdlet.
Create a .wav file that contains the announcement.
Run the `Set-CsApplicationServer` cmdlet.
Run the Import-CsAnnouncementFile cmdlet.

Correct Answer:

Create a .wav file that contains the announcement.
Run the `Import-CsAnnouncementFile` cmdlet.
Run the `New-CsAnnouncement` cmdlet.
Create an unassigned number range.

Explanation/Reference:
Question 87
[D3] The Los Angeles users have the following call statistics:
- Peak call concurrency is 25 percent.
- Fifty percent of all placed calls are routed to the PSTN.
- Thirty percent of all placed calls are internal calls to users in the other offices.
- Twenty percent of all placed calls are conference calls.
- The average bandwidth for peer-to-peer calls is 65 kilobits per second (Kbps).
- The average bandwidth used for conference calls is 100 Kbps.

You need to identify the minimum amount of bandwidth required on the WAN link for the planned implementation of the media gateway in the Los Angeles office. All calls to the PSTN will be routed through the local media gateway in the Los Angeles office.

A. 10.00 megabits per second (Mbps)
B. 7.20 megabits per second (Mbps)
C. 3.95 megabits per second (Mbps)
D. 2.25 megabits per second (Mbps)

Correct Answer: C
Explanation/Reference:
SAM Comments
P2P 65 KBPS x 30 = 1950
Conf Calls 100 KBPS x 20 = 2000

Question 88
Which Call Park design should you choose?
You need to design the Call Park solution. Which Call Park design should you choose? To answer, select the appropriate range and application server in the dialog box in the answer area.

Hot Area:

Correct Answer:

Explanation/Reference:
Each orbit range typically encompasses 100 or fewer orbits, but it can be much larger as long as it includes fewer than 10,000 orbits. For example, instead of specifying a starting number of “7000000” and an ending number of “8000000,” consider specifying a starting number of “7000000” and an ending number of “7000100.”
0-99 is too few.
100-199 makes better sense

I think the answer should be:
Range: 200-9999
Application Server: Pool1.contoso.com
SAM Comment – based on 2200 use count the only option is 200-9999 as they have not given any minimum req for call park usage in the case study doc.

Question 89
What should you identify?
You are designing the Lync Server 2013 infrastructure. You need to identify the minimum number of Lync Server 2013 Mediation Servers, LyncServer 2013 trunks, and PSTN gateways that must be added to the New York office. The solution must meet the Enterprise Voice requirements.

What should you identify? To answer, configure the appropriate number for each component in the answer area.

Hot Area:
Question 90
Which features should you use?
You need to identify which configurations must be implemented for the planned Lync Server 2013 deployment. The solution must meet the network requirements.
Which features should you use?
To answer, drag the appropriate features to the correct requirements in the answer area. Each feature 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.
Select and Place:

Correct Answer:
Real-time communications are sensitive to the latency and packet loss that can occur on congested networks. Call admission control (CAC) determines, based on available network bandwidth, whether to allow real-time communications sessions such as voice or video calls to be established.

Media bypass is a Lync Server capability that enables an administrator to configure call routing to flow directly between the user endpoint and the public switched telephone network (PSTN) gateway without traversing the Mediation Server. Media bypass improves call quality by reducing latency, unnecessary translation, possibility of packet loss, and the number of potential points of failure. Where a remote site without a Mediation Server is connected to a central site by one or more WAN links with constrained bandwidth, media bypass lowers the bandwidth requirement by enabling media from a client at a remote site to flow directly to its local gateway without first having to flow across the WAN link to a Mediation Server at the central site and back. This reduction in media processing also complements the Mediation Server’s ability to control multiple gateways.

Differentiated Services code points (DSCPs) mark IP packets with the type of traffic that is contained in each packet. This information is used by QoS to determine the priority of the packet relative to other network traffic. If QoS is enabled on your network, you can take advantage of it by enabling DSCP marking on servers running Microsoft Lync Server and on Lync clients. Because Lync Server and Lync clients require that different media use different port ranges, the Windows or Windows Server operating system can identify the traffic type and apply the appropriate DSCP to each packet according to the port that it uses.

Question 91
Which two components should you include in the recommendation?
You need to recommend a solution to integrate the planned on-premises Lync Server 2013 infrastructure and Lync Online. Which two components should you include in the recommendation? (Each correct answer presents part of the solution. Choose two.)
A. A Lync Server 2013 partner application
B. A new certificate issue by a trusted third-party certification authority (CA)
C. The Microsoft Online Services Directory Synchronization tool
D. A Session Border Controller
E. A Lync Server 2013 Edge pool
Correct Answer: CE
Explanation/Reference:

Question 92
How many ports should you identify?
You are evaluating whether the PSTN gateways must be upgraded to support the planned migration to Lync Server 2013. You need to identify the minimum number of ports required for each PSTN gateway in the New York office. How many ports should you identify?
A. 10
B. 20
C. 100
D. 200
Correct Answer: D
Explanation/Reference:
NY has 4000 users, 25% on the phone, and 20% of those to the PSTN.
4000*0.25*0.20 = 200

Question 93
Which component should you recommend?
You need to recommend changes to the Exchange Server organization to ensure that callers can leave voice mails if a server fails. Which component should you recommend?
A. Two Edge servers that have Exchange Server 2010 deployed
B. An additional UM IP gateway
C. An additional Client Access server that has Exchange Server 2010 deployed
D. An additional Unified Messaging server that has Exchange Server 2010 deployed
Correct Answer: D
Explanation/Reference:

Question 94
How many ports should you identify?
You are planning the deployment of two Mediation Servers in the New York office. You need to identify the minimum number of network ports that must be configured on each Mediation Server. The solution must meet the Enterprise Voice requirements. How many ports should you identify? To answer, configure the appropriate number of network ports for the component in the answer area.

Hot Area:
Note: The Mediation Server translates signaling and, in some configurations, media between your internal Lync Server 2013, Enterprise Voice infrastructure and a public switched telephone network (PSTN) gateway or a Session Initiation Protocol (SIP) trunk. On the Lync Server 2013 side, Mediation Server listens on a single mutual TLS (MTLS) transport address. On the gateway side, Mediation Server listens on all associated listening ports associated with trunks defined in the Topology document. All qualified gateways must support TLS, but can enable TCP as well. TCP is supported for gateways that do not support TLS. The main functions of the Mediation Server are as follows:

The following figure shows the signaling and media protocols that are used by the Mediation Server when communicating with a basic PSTN gateway and the Enterprise Voice infrastructure.

**Question 95**
What should you use?
You need to configure the second phone number for the executives. The solution must meet the business requirements. What should you use?
A. The Lync Server Control Panel
B. The Set-CsUser cmdlet
C. The Set-CsAdUser cmdlet
D. The Topology Builder

Correct Answer: B

**Explanation/Reference:**

**Question 96**
What should you configure to meet each requirement?
You need to recommend a solution to meet the UM requirements. What should you configure to meet each requirement? To answer, drag the appropriate configurations to the correct requirements 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.
Select and Place:
A Unified Messaging (UM) dial plan is created using an organization-wide scope and contains configuration information related to your telephony network. A UM dial plan establishes a link from the telephone extension number of a Microsoft Exchange Server 2010 recipient in Active Directory to a UM-enabled mailbox.

You can create a Unified Messaging (UM) mailbox policy to apply a common set of UM policy settings, such as PIN policy settings or dialing restrictions, to a collection of UM-enabled mailboxes. UM mailbox policies link a UM-enabled user with a UM dial plan and apply a common set of policies or security settings to a collection of UM-enabled mailboxes. UM mailbox policies are useful for applying and standardizing UM configuration settings for UM-enabled users.

Incorrect: After you create a Unified Messaging (UM) auto attendant, incoming calls to an external telephone number that a human operator would ordinarily answer are answered by the auto attendant.

Dumps4Certs says

**Question 97**
What should you include in the recommendation? You need to recommend a solution to prevent calls to the Boston office from being routed over the PSTN. The solution must meet the Lync Server requirements. What should you include in the recommendation?
A. A Lync Server 2013 Director pool
B. Two Lync Server 2013 trunks
C. Two Lync Server 2013 Edge Servers
D. A Lync Server 2010 A/V Conferencing pool

Correct Answer: B
Explanation/Reference:
Two Lync Server 2013 trunks are from both NY and Chicago to Boston’s IP-PBX

**Question 98**
Which client application should you identify? You are evaluating the planned changes for the contractors. You need to identify which client application the contractors will be able to use to schedule online meetings. Which client application should you identify?
A. Lync Web App
B. Windows Phone devices
C. Outlook 2010
D. Outlook Web App

Correct Answer: C
Explanation/Reference:
Which four actions should you perform?
You need to implement a solution to meet the phone number requirements. Which four actions should you perform? To answer, move the four appropriate actions from the list of actions to the answer area and arrange them in the correct order.
Select and Place:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create two announcement number ranges.</td>
<td>Import two announcement files.</td>
</tr>
<tr>
<td>Import two announcement files.</td>
<td>Create two announcements.</td>
</tr>
<tr>
<td>Create two announcements.</td>
<td>Create two announcement number ranges.</td>
</tr>
<tr>
<td>Modify the TEL URI of the users.</td>
<td>Modify the TEL URI of the users.</td>
</tr>
</tbody>
</table>

Correct Answer:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Import two announcement files.</td>
<td></td>
</tr>
<tr>
<td>Create two announcements.</td>
<td></td>
</tr>
<tr>
<td>Create two announcement number ranges.</td>
<td></td>
</tr>
<tr>
<td>Modify the TEL URI of the users.</td>
<td></td>
</tr>
</tbody>
</table>

Explanation/Reference:
Note:
- Announcement Deployment Process
- Configure Announcement settings
- To create a new announcement, you need to perform the following steps.
Reference:

**Question 100**
What should you create?
You need to ensure that the users in all of the offices can dial in to conferences by using a local phone number. What should you create?
A. An additional dial plan
B. Five conferencing policies
C. Five dial-in numbers
D. Five addition call routes

Correct Answer: C
Explanation/Reference:

**Question 101**
Which UM component should you use to meet each requirement?
You need to configure UM to meet the UM requirements. Which UM component should you use to meet each requirement? To answer, drag the appropriate components to the correct requirements in the answer area. Each setting may be used once, more than once, or not at all. Additionally, you can split bar between panes or scroll to view content.
Select and Place:

Correct Answer:
Box 1: a UM mailbox policy
Box 2: a dial plan
Box 3: a UM mailbox setting

Note:
- You can enable or disable the Play on Phone feature for users associated with the Unified Messaging (UM) mailbox policy. This option is enabled by default and allows users to play their voice mail messages over a phone. The phone can be any phone, including an office or a mobile phone.
- A Unified Messaging (UM) dial plan is created using an organization-wide scope and contains configuration information related to your telephony network. A UM dial plan establishes a link from the telephone extension number of a Microsoft Exchange Server 2010 recipient in Active Directory to a UM-enabled mailbox.

Manage Voice Mail Settings for a User
- You can view or set the Unified Messaging (UM) and voice mail features and configuration settings for a user that’s been enabled for UM and voice mail. For example, you can do the following:
- You can create a Unified Messaging (UM) mailbox policy to apply a common set of UM policy settings, such as PIN policy settings or dialing restrictions, to a collection of UM-enabled mailboxes. UM mailbox policies link a UM-enabled user with a UM dial plan and apply a common set of policies or security settings to a collection of UM-enabled mailboxes. UM mailbox policies are useful for applying and standardizing UM configuration settings for UM-enabled users.
- Incorrect: After you create a Unified Messaging (UM) auto attendant, incoming calls to an external telephone number that a human operator would ordinarily answer are answered by the auto attendant.

Question 102
What should you recommend?
You implement synchronization between Active Directory and Microsoft Office 365. You need to recommend which tool is required to manage the phone numbers of the Exchange Online pilot users. What should you recommend?
A. The Microsoft Online Services Module for Windows PowerShell
B. The Office 365 Exchange Online Portal
C. Active Directory Users and Computers
D. The Office 365 Lync Online Portal

Correct Answer: C
Explanation/Reference:

Question 103
Which task should you identify for each requirement?
You decommission the legacy PBX in the Singapore office. You configure all users in the Singapore office to route calls through their local Lync Server 2013 servers. You need to identify the tasks that must be performed in each office to ensure that calls from Singapore meet the business requirements and the technical requirements. Which task should you identify for each requirement? To answer, drag the appropriate actions to the correct requirements in the answer area. Each action may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes to scroll to view content.

Select and Place:

Correct Answer:
Question 104
Which two cmdlets should you run?
You need to prepare the Enterprise Voice infrastructure for E911. Which two cmdlets should you run? (Each correct answer presents part of the solution. Choose two.)
A. Set-CsPstnUsage
B. Enable-CSPublicProvider
C. Set-CsVoiceConfiguration
D. New-CsVoiceRoute
E. New-CsVoiceRoutingPolicy
Correct Answer: AD
Explanation/Reference:

Question 105
What two technologies should you deploy?
You need to prepare the environment for the planned Lync Online solution of the contractors. The solution must meet the business requirements and technical requirements. What two technologies should you deploy? (Each correct answer presents part of the solution. Choose two.)
A. Active Directory Rights Management Services (AD RMS)
B. Active Directory Lightweight Directory Services (AD LDS)
C. The Inter-Organization Replication tool
D. Active Directory Federation Services (AD FS) 2.0
E. Microsoft Online Services Directory Synchronization
F. Microsoft Online Services Sign-in Assistant
Correct Answer: DE
Explanation/Reference:

Question 106
Which cmdlet should you run?
You are evaluating the planned changes for the contractors. You need ensure that the contractors can access Outlook Voice Access and receive voice mails from callers. Which cmdlet should you run?
A. New-CsExUmContact
B. New-CsSipDomain
C. New-CsVoicemailReroutingConfiguration
D. New-CsSipProxyCustom
Correct Answer: A
Explanation/Reference:
SAM Comments – Corrected.

Question 107
What should you include in the recommendation?
You need to recommend a solution to meet the security requirement. What should you include in the recommendation?
A. An outbound translation rule
B. A response group
C. A voice policy
D. A private phone line
Correct Answer: A
Explanation/Reference:
Question 108
Which three tasks should you perform next?
You need to configure the Lync Server 2013 infrastructure to meet the technical requirements for E911. You create the network and subnets for each office. Which three tasks should you perform next? (Each correct answer presents part of the solution. Choose three.)
A. Create a client policy.
B. Configure the location database
C. Create location policies.
D. Create a response group.
E. Create a voice route.
F. Create a normalization rule.

Correct Answer: BCE
Explanation/Reference: