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Microsoft

74-322 PRACTICE EXAM

Microsoft Lync Server 2010-Advanced Design and Deployment

Question: 1

A customer configured the voice routing components:

Voice Routes:

Name	Pattern To Match	GW
Route1	^((\+1425) (\+1206))	PstnGateway:10.0.0.10
Route2	^((\+1416) (\+1905))	PstnGateway:10.0.0.20
Route3	^\+1519	PstnGateway:10.0.0.30
Route4	^\+1^\+1	PstnGateway:10.0.0.40

PSTN Usages:

Name	Routes
Usage1	Route1, Route2
Usage2	Route3
Usage3	Route2, Route3
Usage4	Route4

Voice Policies:

Name	Usages	Scope
Policy1	Usage1, Usage2, Usage4	User
Policy2	Usage1	User
Policy3	Usage3	User
Main	Usage1, Usage2	Site

User1 is enabled for Lync and Enterprise Voice and is configured as follows:

- Homed on PoolA which is located in a Lync site named Main.
- Voice Policy has been set to automatic.

Which set of phone numbers can User1 contact?

- A. +14255550100, +14165550100, +18055550100
- B. +14165550100, +19055550100, +14255550100
- C. +19055550100, +14165550100, +18055550100
- D. +15195550100, +12065550101, +14265550100

Answer: B

Question: 2

A company created a Microsoft Lync Dial plan that is not performing as expected. Users report they are unable to retrieve parked calls from the orbit range of 2000-2099. The relevant rules are:

Name	Pattern	Translation
9xxx Extensions	^(9\d*)\$	+1425555\$1
2xxx Extensions	^(2\d*)\$	+14255551111;ext=\$1
Call Park	^(2\d(2))\$	\$1

Which changes will solve the reported problem without disrupting internal extension dialing?

A.

Name	Pattern	Translation
9xxx Extensions	^(9\d*)\$	+1425555\$1
2xxx Extensions	^(2\d*)\$	+14255551111;ext=\$1
Call Park	^(20\d{2})\$	\$1

B.

Name	Pattern	Translation
Call Park	^(2\d{3})\$	\$1
9xxx Extensions	^(9\d*)\$	+1425555\$1
2xxx Extensions	^(2\d*)\$	+14255551111;ext=\$1

C.

Name	Pattern	Translation
Call Park	^(20\d{2})\$	\$1
9xxx Extensions	^(9\d{3})\$	+1425555\$1
2xxx Extensions	^(2\d{3})\$	+14255551111;ext=\$1

D.

Name	Pattern	Translation
9xxx Extensions	^(9\d*)\$	+1425555\$1
Call Park	^(2\d{3})\$	\$1
2xxx Extensions	^(2\d*)\$	+14255551111;ext=\$1

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

Answer: C

Question: 3

A customer has four digit internal extensions that should be translated as displayed in the table.

Digits Dialed	Translated Number
7000 to 7999	+14255557000 to +14255557999

Which normalization rule will provide the desired expression?

- A. Pattern to match: ^7(\d{4})\$
Translation pattern: +1425555\$ 1
B. Pattern to match: ^7(\d[4])\$
Translation pattern: +1425555\$ 1
C. Pattern to match: ^7(\d{3})\$
Translation pattern: +14255557\$1
D. Pattern to match: ^7(\d{3})\$
Translation pattern: +14255557\$1

Answer: D

Question: 4

Contoso has PSTN gateways in London and Redmond. All calls to the US starting with +1 are routed to the Redmond gateway. All calls to London starting +44 are routed to London. If the gateway in Redmond is unavailable, calls to +1 numbers should be routed via the London gateway.

Contoso has the following configuration:

- One global voice policy, called Global_VoicePolicyf which includes a single PSTN Usage called Global_Usage.
- Global_Usage has two associated routes: Redmond_Route and London_Route.
- Redmond_Route routes all calls starting with +1 to the Redmond gateway.
- London_Route routes all calls starting with +44 to the London gateway.

An administrator needs to ensure that calls beginning with +1 are routed out the London gateway only if the Redmond gateway is unavailable. Which set of changes should the administrator make to the voice configuration?

A. Change London_Route to include numbers starting with +1. Configure the numbers starting with +1 with a lower priority than the numbers starting with +44.

B. Change Redmond_Route to include the London Gateway.

Configure the London gateway with a lower priority than the Redmond gateway.

C. Create a new route called US_Fallback that will route calls starting with +1 to the London gateway. Add the route US_Fallback to the PSTN Usage Global_Usage.

Configure the route US_Fallback with a lower priority than the Redmond_Route.

D. Create a new route called US_Fallback that will route calls starting with +1 to the London gateway.

Create a new PSTN Usage called Fallback_Usage and add it to the voice policy Global_VoicePolicy.

Configure the PSTN Usage Fallback_Usage to have a lower priority than Global_Usage.

Answer: D

Question: 5

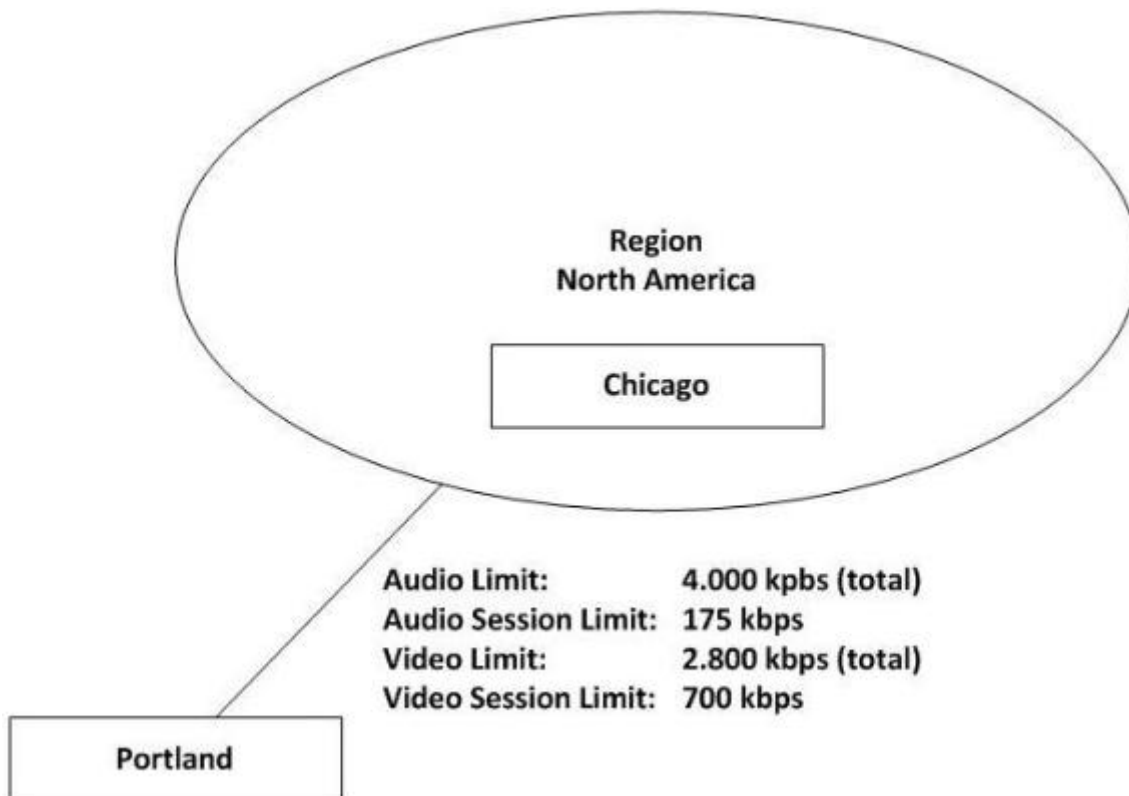
During a migration from Office Communications Server 2007 R2 to Lync, a consultant modifies an existing dial plan object in OCS 2007 R2. Which PowerShell cmdlet is used to import the dial plan changes into Lync?

- A. Merge-CsLegacyTopology-Force
- B. Import-CsLegacyConfiguration-ReplaceExisting
- C. Import-CsLegacyConfiguration
- D. Merge-CsLegacyTopology

Answer: B

Question: 6

Refer to the exhibits.



An organization implements Call Admission Control for Lync to control bandwidth usage and assure a high quality experience. Users in the Portland office frequently use Lync Enterprise telephony and conferencing features offered from the Lync infrastructure in the Chicago site. An administrator is determining which type of audio and video codecs will optimize bandwidth utilization on a per-session basis. The administrator needs to prevent media that is traversing the network connection between Portland and Chicago from using the G.711 codec without impacting the ability to use the RTAudio wideband codec. Which action meets these requirements?

- A. Change the Audio Session Limit in the bandwidth policy for the Portland site to 50 kbps.
- B. Change the Audio Session Limit in the bandwidth policy for the Portland site to 100 kbps
- C. Change the Audio Session Limit in the bandwidth policy for the Portland site to 105 kbps.
- D. Change the Audio Session Limit in the bandwidth policy for the Portland site to 106 kbps.

Answer: B

Question: 7

An organization replaced its legacy PBX with Microsoft Lync Server 2010. Users are unable to dial North America 3 digit service numbers (211, 311, 411, 511, 611, 711, 811) including emergency services (911). Only 411 and 911 should be made available to users. Which Normalization rule enables calling to 411 and 911 only?

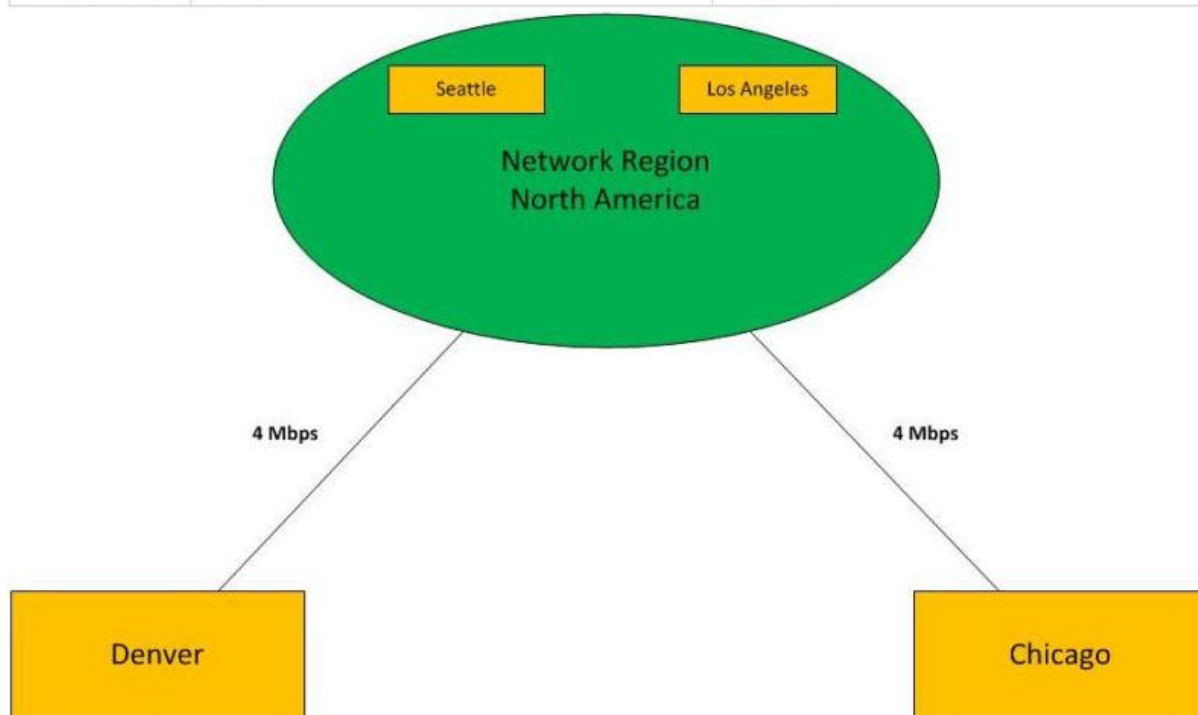
- A. Matching: `^([4-9])(11)$`
Translation: `+$ 1`
- B. Matching: `^([4-9]\d{11})$`
Translation: `+$ 1`
- C. Matching: `^(4|9\d{11})$`
Translation: `+$1$2`
- D. Matching: `^(4|9)(11)$`
Translation: `+$1$2`

Answer: D

Question: 8

Refer to the exhibits.

Codec	Bandwidth requirement with no forward error correction (FEC)	Bandwidth requirement with forward error correction (FEC)
RTAudio (8kHz)	49.8 kbps	61.6 kbps
RTAudio (16kHz)	67 kbps	96 kbps
Siren	57.6 kbps	73.6 kbps
G.711	102 kbps	166 kbps
G.722	105.6 kbps	169.6 kbps
RTVideo (CIF 15 fps)	260 kbps	Not applicable
RTVideo (VGA 30 fps)	610 kbps	Not applicable



Contoso is deploying Microsoft Lync 2010 and needs to limit audio and video traffic on the WAN. A Lync Administrator created the CAC configuration displayed in the exhibits.

Contoso has the following requirements:

- Users in the Denver site must be able to participate in Lync Audio Conferences hosted in Seattle.
- Users in the Denver site must be able to participate in Lync Online Meetings using the highest video quality available. The WAN connectivity for the Denver location currently uses 15% of the available bandwidth for existing applications, which must remain available for these applications to utilize.
- Connectivity from the Denver site experiences less than 1% packet loss.
- The Lync Administrator created a new bandwidth policy called "Denver_BW_Limits."

Which bandwidth policy values achieve the stated requirements?

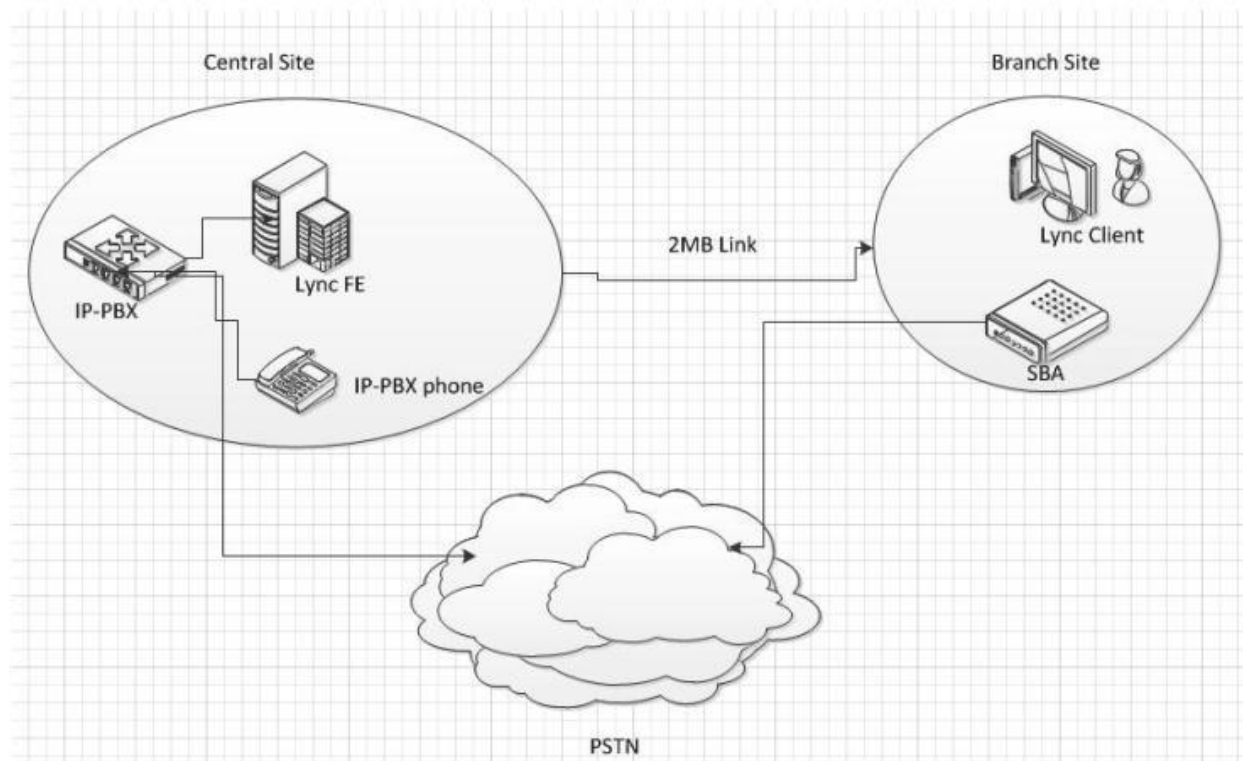
A. Audio Limit - 3,000 kbps
 Audio Session Limit - 102 kbps
 Video Limit- 1,096 kbps

Video Session Limit - 500 kbps
B. Audio Limit - 2,000 kbps
Audio Session Limit - 55 kbps
Video Limit- 1,400 kbps
Video Session Limit - 500 kbps
C. Audio Limit - 2,000 kbps
Audio Session Limit - 175 kbps
Video Limit - 2,000 kbps
Video Session Limit - 700 kbps
D. Audio Limit - 2,000 kbps
Audio Session Limit - 110 kbps
Video Limit- 1,400 kbps
Video Session Limit - 700 kbps

Answer: D

Question: 9

Refer to the exhibits.



Bandwidth utilization by codecs

Codec	Bandwidth requirement with no forward error correction (FEC)	Bandwidth requirement with forward error correction (FEC)
RTAudio (8kHz)	49.8 kbps	61.6 kbps
RTAudio (16kHz)	67 kbps	96 kbps
Siren	57.6 kbps	73.6 kbps
G.711	102 kbps	166 kbps
G.722	105.6 kbps	169.6 kbps
RTVideo (CIF 15 fps)	260 kbps	Not applicable
RTVideo (VGA 30 fps)	610 kbps	Not applicable

Contoso has a Lync infrastructure deployed. At the central site, Lync is integrated with an existing EP-PBX via Direct SIP. At the branch site, a SBA is deployed. There is a 2mbps link between the central and a branch site. During good network conditions, with no call admission control policies in place, there is a call from a user at the branch site to an IP-PBX user in the central site. According to the table, what is the maximum bandwidth in kbps that will be used?

- A. 49.8
- B. 61.6
- C. 102
- D. 166

Answer: C

Question: 10

Contoso is implementing Quality of Service (QoS) and needs to ensure that packets are marked on the Lync servers and computers according to these Contoso specifications:

- Voice packets with 46 (decimal)
- Video packets with 26 (decimal)

How does an administrator verify the DSCP information above is correctly applied?

- A. Use a network monitor to capture packets and verify the DSCP field contains the correct DSCP information.
- B. Use the Snooper tool to capture traffic and verify that the SIP Dialog contains the correct DSCP information.
- C. Use a network monitor to capture packets and verify that the SIP Dialog contains the correct DSCP information.
- D. Review the QoE report and verify the Content type field contains the correct DSCP information.

Answer: A

Question: 11

An organization deployed Office Communications Server 2007 R2 (OCS) and configured several dial in conferencing access numbers. They also deployed Lync Server 2010 and completed the migration steps to merge the two environments. An administrator needs to deploy a new dial-in conferencing access number that will be hosted on the Lync Server 2010 pool that has been deployed. The new number must be available in the outlook add-in for users who are hosted on both OCS and on Lync. Which action meets these requirements?

- A. Create a new conferencing access number in Lync and set the scope to global.
- B. Create a new conferencing access number in Lync and set the scope to site.
- C. Create a new conferencing access number in OCS and migrate it to Lync.
- D. Create a new conferencing access number in OCS and run import-cslegacyconfiguration.

Answer: C

Question: 12

Contoso has two locations: Office 1 and Office2.

Users in Office 1 have the phone numbers: +1 425 555 1000 to +1 425 555 1999.

Users in Office2 have the phone numbers: +1416 555 1000 to +1 416 555 1999.

PstnGateway: 10.0.0.10 is located in Office 1.

PstnGateway: 10.0.0.20 is located in Office2.

Routes:

Name	Pattern to Match	GW
Route1	^((\+1425) (\+1206))	PstnGateway:10.0.0.10
Route2	^((\+1416) (\+1905))	PstnGateway:10.0.0.20

PSTN Usages:

Name	Routes
Usage1	Route1, Route2
Usage2	Route1, Route2

Voice Policies:

Name	Usages	Scope
Policy1	Usage1	Redmond
Policy2	Usage2	London

All voice policies allow PSTN reroute. Users from office2 report that they cannot call users in Office 1 when losing the WAN. Which change should an administrator make to allow PSTN reroute to users in Office 1 without allowing additional external calls?

- A. Create Route3: ^\+14255551 to PstnGateway:10.0.0.20. Modify Policy2 and add a PSTN Usage named Usage3. Add Route3 to Usage3.
- B. Modify Route2 to match the following pattern ^((\+1416)|(\+1905)|(\+1425))
- C. Create Route3: ^\+14165551 to PstaGateway:10.0.0.10. Modify Policy2 and add a PSTN Usage named Usage3. AddRoute3toUsage3.
- D. Modify Route 1 to match the following pattern ^((\+1425)|(\+1206)|(\+1416)).

Answer: A

Question: 13

Refer to the exhibit.

Bandwidth utilization by codecs

Codec	Bandwidth requirement with no forward error correction (FEC)	Bandwidth requirement with forward error correction (FEC)
RTAudio (8kHz)	49.8 kbps	61.6 kbps
RTAudio (16kHz)	67 kbps	96 kbps
Siren	57.6 kbps	73.6 kbps
G.711	102 kbps	166 kbps
G.722	105.6 kbps	169.6 kbps
RTVideo (CIF 15 fps)	260 kbps	Not applicable
RTVideo (VGA 30 fps)	610 kbps	Not applicable

Contoso has Lync infrastructure deployed across all of its locations. After looking at the network reports, an administrator discovers that the link between central site and branch site has an average of 5% packet loss. CAC is not configured on the link. What is the maximum bandwidth in kbps consumed when a Lync client from central site makes a voice call to a Lync client in the branch site?

- A. 49.8
- B. 67
- C. 96
- D. 166

Answer: C

Question: 14

A customer configured the voice routing components:
Voice Routes:

Name	Pattern To Match	GW
Route1	^((\+1425) (\+1206))	PstnGateway:10.0.0.10
Route2	^((\+1416) (\+1905))	PstnGateway:10.0.0.20
Route3	^\+1519	PstnGateway:10.0.0.30
Route4	^\+1	PstnGateway:10.0.0.40

PSTN Usages:

Name	Routes
Usage1	Route1, Route2
Usage2	Route3
Usage3	Route2,Route3
Usage4	Route4

Voice Policies:

Name	Usages	Scope
Policy1	Usage1, Usage2	User
Policy2	Usage1	User
Policy3	Usage3	User
Main	Usage1, Usage2, Usage4	Site

User1 is enabled for Lync and Enterprise Voice and is configured as follows:

- Homed on PoolA which is located in a Lync site named Main.
- Voice Policy has been set to Policy3.

Which set of phone numbers can User1 contact?

- A. +14255550100, +14165550100
- B. +14165550100, +19055550100, +15195550100
- C. +19055550100, +14165550100, +18055550100
- D. +15195550100, +12065550101

Answer: B

Question: 15

A customer deployed Microsoft Lync Server 2010 and is trying to interoperate with a legacy PBX infrastructure of 2 PBXs in different locations. The company uses five-digit, internal extensions. The first digit indicates user location and PBX. Changes to the legacy PBX dial plan should be minimized. Lync users will retain existing extension once moved to Lync Enterprise Voice. Users should maintain existing dialing behaviors.

Location	Extension Range	DID/DDI Range
Seattle HQ	80100-82999	14255550100-14255552999
Seattle Retail	80000-80098	14255550099

Which Normalization rule allows calls to the legacy PBX in Seattle Retail?

- A. Matching: ^8(00\d{2})\$
Translation: +1425555\$ 1; ext=\$1
- B. Matching: ^(8\d{4})\$
Translation: +1425555\$1; ext=\$1
- C. Matching: ^8(00\d{2})\$
Translation: +14255550099; ext=\$1
- D. Matching: ^8(\d{4})\$
Translation: +14255550099; ext=\$1

Answer: C

Question: 16

A customer plans to deploy Microsoft Lync Server 2010 for all workloads including instant messaging and presence, video and web conferencing, and enterprise voice. The customer needs to determine an appropriate server topology design for this deployment.

The requirements from the customer are:

- Assume standard user model usage.
- Topology must support 20,000 users.
- High availability is required within a single data center location for all workloads.

Which topology should an administrator recommend?

- A. Enterprise Edition pool with two FrontEnd servers.
A/V Conferencing pool with two A/V Conferencing servers.
- B. Enterprise Edition pool with two FrontEnd servers.
Standard Edition server configured as the backup registrar for the Enterprise Edition pool.
- C. Four Standard Edition servers; each server configured to have one backup registrar.
A/V Conferencing pool with two A/V Conferencing servers.)
- D. Two Enterprise Edition pools, each with a FrontEnd server.
Each pool configured as the backup registrar for the other pool.

Answer: A

Question: 17

An organization plans to deploy two Enterprise Edition Lync pools with users split evenly across both pools. Pool1 will be deployed in datacenter A and will host the Central Management Store. Pool2 will be deployed in the same datacenter location. The organization must protect against the accidental deletion of voice routing data in the environment. Which step is required to protect against the deletion and ensure the fastest recovery of voice routing data in the environment?

- A. Execute the export-csconfigurationcmdlet from any Lync server.
- B. Execute a SQL backup of the rtc database on each Lync front end server in Pool1 and in Pool2.
- C. Execute the export-cslisconfigurationcmdlet from any Lync server.
- D. Execute a SQL backup of the rgsconfig database in the Pool1 SQL server instance and the Pool2 SQL server instance.

Answer: A

Question: 18

How should an administrator configure a hardware load balancer for a front end pool if DNS load balancing is in use?

- A. Load balance port TCP 443 (https) and TCP 5061 (SIP TLS)
- B. Load balance ports TCP 80 (http) and TCP 443 (https)
- C. Load balance ports TCP 80 (http), TCP 443 (https) and TCP 135 (DCOM)
- D. Load balance ports TCP 443 (https), TCP 135 (DCOM), and TCP 5061 (SIP TLS)

Answer: B

Question: 19

An organization uses Lync for Enterprise Voice. Users want to be notified and to be able to answer calls for each other while using their Lync client. How can the Lync Administrator provide only the requested functionality?

- A. Create a new user Voice Policy that has the Delegation Calling feature enabled and assign the policy to all users requiring this functionality.
- B. Create a new user Voice Policy that has the Team Calling feature enabled and assign the policy to all users requiring this functionality.
- C. Create a new response group and add all users as agents in this group.

D. Modify the Global Voice Policy to enable the Delegation feature and assign this new policy to all users requiring this functionality.

Answer: B

Question: 20

Which attribute is stored in Active Directory?

- A. Central Management Server replica list
- B. Location of the database for the Location Information Service
- C. Service Connection Point to Central Management Server
- D. Call Park orbit range

Answer: C

Question: 21

Contoso has an existing deployment of Microsoft Lync Server 2010 consisting of:

- 1 - Lync 2010 Standard Edition server (SE1).
- 2 - Lync 2010 Survivable Branch Appliances (SBA1 and SBA2).

SE1 and SBA1 are located in a Lync site called Redmond. SBA2 is located in a Lync site called Tukwila.

Users homed on SE1 and SBA1 should be allowed to schedule meetings with application sharing. Users homed on SBA2 should be allowed to schedule meetings, but must not be permitted to include application sharing. How can a Lync Administrator meet these requirements?

- A. Create a user conferencing policy that enables application sharing and assign the policy to individual users homed on SE1 and SBA1.
- B. Create a site conferencing policy that disables application sharing, scoped to the Tukwila Lync site.
- C. Create a user conferencing policy that disables application sharing and assign the policy to individual users homed on SBA2.
- D. Create a site conferencing policy that disables application sharing, scoped to the Redmond Lync site.

Answer: C

Question: 22

An organization deployed a Microsoft Lync Server in its primary datacenter. Many users work in branch offices and currently register to the FrontEnd Pool in the primary datacenter.

Branch office requirements:

- Support 1200 users with heavy telephony and conferencing usage.
- Minimize the impact on the branch office through poorly performing WAN connectivity.
- Keep the costs as low as possible.

Which option meets these requirements?

- A. Deploy a Survivable Branch server with a separate PSTN gateway. Configure calls to and from the PSTN to use local PRIs.
- B. Deploy a Standard Edition Server with a collocated Mediation server and a separate PSTN gateway. Configure calls to and from the PSTN to use local PRIs.

- C. Deploy a Survivable Branch Appliance with a collocated PSTN gateway. Configure calls to and from the PSTN to use local PRIs.
- D. Deploy a Survivable Branch server with a collocated Mediation server and a separate PSTN gateway. Configure calls to and from the PSTN to use local PRIs.

Answer: B

Question: 23

An organization plans to deploy two Enterprise Edition Lync pools with users split evenly across the pools. Pool1 will be deployed in datacenter A and will host the Central Management Store. Pool2 will be deployed in the same datacenter location. The organization must protect against the loss of location information data in the environment. Which step is required to protect against the loss and ensure the fastest recovery of location information data in the environment?

- A. Execute the export-csconfiguration cmdlet from any Lync server
- B. Execute a SQL backup of the xds database on each Lync front end server in Pool1 and Pool2.
- C. Execute the export-cslisconfigurationcmdlet from any Lync server.
- D. Execute a SQL backup of the rtc database in the Pool1 SQL server instance.

Answer: C

Question: 24

An organization implemented Role-Based Access Control in its Microsoft Lync Server 2010 environment. A new administrator is assigned the Administrative Roles:

- CsVoice Administrator.
- CsHelpDesk.

Which capability is available to the new administrator when using the Lync Server 2010 Control Panel?

- A. Assign a Line URI to a User.
- B. Modify an existing Normalization rule.
- C. Stop and start Mediation services.
- D. Publish a new PSTN Gateway device in the Topology Builder.

Answer: B

Question: 25

Contoso has a Lync infrastructure deployed at two locations: London and Redmond. Both locations have Enterprise Edition servers deployed with the respective Edge servers, Londonpool and Redmondpool. User A's home pool is in London. User A travels to Redmond frequently. How can the Lync Administrator ensure that User A uses the Redmond Edge for media when in Redmond?

- A. Manually point User A to sign in via Edge at the Redmond Location
- B. Change the client policies to start using the edge server of the Redmond location when in Redmond.
- C. Move User A from Londonpool to Redmondpool
- D. Assign a group policy object that points User A to sign in via Edge at the Redmond Location

Answer: C

Question: 26

Contoso recently deployed a Lync infrastructure and enabled its users for remote access. IM&P is working properly for remote users, however they are having issues starting application sharing. How can an administrator make application sharing work for the remote users?

- A. Start the application sharing service on the FrontEnd server.
- B. Create a new user policy enabling external users for application sharing.
- C. Open the UDP ports required for application sharing on the firewall.
- D. Open the TCP ports required for application sharing on the firewall.

Answer: D

Question: 27

Refer to the exhibit.

Media	Typical codec	Maximum stream bandwidth without FEC
Audio	G.722	100.6
Audio	Siren	52.6
Main video CIF	RTVideo	260
Main video VGA	RTVideo	610
Panoramic video	RTVideo	360

Contoso plans to deploy video conferencing within a central site and six branches offices that use VGA webcams. Each branch office has approximately 500 users. Contoso wants to limit the video bandwidth to 7 Mbps using CAC on the Mexico City branch office. Network conditions are good. What is the maximum number of simultaneous video sessions between the Central Site and the Mexico branch office if they are using the default value for the Max Video ConferenceResolutionparameter?

- A. 5
- B. 11
- C. 15
- D. 26

Answer: B

Question: 28

Contoso needs a Front End pool for 15,000 users for Instant Messaging & Presence and conferencing. Contoso requires that if any server is lost, the remaining servers can support all users. Contoso will use servers with the Microsoft-recommended hardware specifications. What is the Microsoft-recommended solution in this situation?

- A. Deploy a Front End pool of two servers.
- B. Deploy a Front End pool of three servers.
- C. Deploy a Front End pool of two servers and an A/V pool of two A/V Conferencing servers.
- D. Deploy a Front End pool of three servers and an A/V pool of two A/V Conferencing servers.

Answer: D

Question: 29

Refer to the exhibit.

Media	Typical codec	Typical stream bandwidth (Kbps)	Maximum stream bandwidth without FEC
Audio	G.722	46.1	100.6
Audio	Siren	25.5	52.6
Main video CIF	RTVideo	220	260
Main video VGA	RTVideo	508	610
Panoramic video	RTVideo	269	360

Contoso plans to deploy video conferencing within a central site and four branch offices using HD webcams. Each branch office has 50 users. Contoso expects 10% of the users to have simultaneous video sessions with the central site. The MaxVideoConferenceResolution parameter value is set to VGA. How much bandwidth capacity must the administrator provision between a single branch office and the central site for the video sessions for that site?

- A. 1100 Kbps
- B. 1300 Kbps
- C. 2540 Kbps
- D. 3050 Kbps

Answer: D

Question: 30

Contoso wants to interoperate its existing legacy video conferencing solution with a newly deployed Lync infrastructure using a qualified, third-party gateway. Which two steps must an administrator take, at a minimum, to configure the qualified gateway with Lync? (Choose two.)

- A. Configure the gateway as trusted server with Lync.
- B. Register the gateway in Lync.
- C. Add gateway as a contact object in Active Directory.
- D. Configure SIP over TCP in Lync.
- E. Configure a static route to the gateway in Lync.

Answer: AE

Question: 31

Contoso deployed Lync Front End pools in Redmond and in London. The Redmond pool services 15,000 users and the London pool services 5,000 users. All users should be enabled for Instant Messaging and Conferencing. How should an administrator design the conferencing server topology to meet conferencing requirements and comply with Microsoft

recommendations?

- A. Deploy A/V Conferencing pools in Redmond and London.
- B. Deploy an A/V Conferencing pool in Redmond. Configure the Front End pools in Redmond and London to use this A/V Conferencing pool.
- C. Configure the London and Redmond pools to use the built in conferencing capabilities of the Front End Servers.
- D. Deploy an A/V Conferencing pool in Redmond. Configure the London pool to use the built in conferencing capabilities of the Front End Servers.

Answer: D

Question: 32

Enhanced 9-1-1 (E9-1-1) is a requirement for an organization. Users report that every time they connect from an external location, they receive a prompt to enter a location and a warning message. The organization wants users to get a visual prompt, but no warning message. Which cmdlet changes the behavior to meet these requirements?

- A. Set-CsLocationPolicy -LocationRequired no
- B. Set-CsLocationPolicy -LocationRequiredyes
- C. Set-CsLocationPolicy -LocationRequired disclaimer
- D. Set-CsLocationPolicy -EnhancedEmergencyServicesEnabled \$false

Answer: B

Question: 33

An organization runs Microsoft Lync Server 2010 and all users are enabled for Enterprise Voice. Exchange Server 2010 Unified Messaging (UM) is deployed to provide voice mail functionality to the end user. All users in the organization use the Lync 2010 client and Outlook 2010. A user calls voicemail from the Lync Client and the attempt is unsuccessful. The Exchange server log contains the error message:

"The Unified Messaging server failed to exchange the required certificates with an EP gateway to enable Transport Layer Security (TLS) for an incoming call."

Which action solves this problem?

- A. Replace the Exchange Server Certificate.
- B. Re-run the Exchange UM Integration utility OcsUmUtil.exe on the Lync Front End server.
- C. Replace the certificate of the IP gateway.
- D. Import the trusted certificate root chain to the Lync Client

Answer: A

Question: 34

An organization deployed Microsoft Lync Server 2010 on premises for all users. An administrator configured User 1 for hosted Exchange e-mail with Unified Messaging using Office 365 Exchange Online. User 2 is currently using Exchange on-premise with legacy PBX voicemail. Both users are configured for Enterprise Voice through their on-premise Microsoft Lync deployment. Using the corporate connected desktop Lync client. User 2 places a call to User 1 and is redirected to User 1's voicemail. Which SIP signaling path will User 2's call take to User 1's voicemail?

- A. Client User 2 --> Front end pool --> federation edge --> Hosted Exchange UM edge --> User 1's home UM server.
- B. Client User 2 --> Hosted Exchange UM edge --> User 1's home UM server.
- C. Client User 2 --> front end pool --> mediation server --> SIP trunk --> User 1's home UM server.
- D. Client User 2 --> federation edge --> Hosted Exchange UM edge --> User 1's home UM server.

Answer: A

Question: 35

Contoso deployed a Lync infrastructure and enabled 50% of its users for Enterprise Voice. Contoso wants to use Lync with its existing analog phones and analog fax machines. Which two actions must an administrator take on the Lync server to use existing analog fax machines? (Choose two.)

- A. Create a new Voice policy for analog fax device via New-CSVoicepolicy cmdlet.
- B. Create a new contact object for analog fax device via New-CsAnalogDevice cmdlet
- C. Enable Media bypass globally and on the trunk connection to the gateway.
- D. Create a new Conferencing policy for the analog fax device via New-CSConferencingPolicy cmdlet.
- E. Assign a new Voice policy to the analog fax device.

Answer: BC

Question: 36

Contoso is deploying Lync 2010 Enterprise Voice with Exchange 2010 SP1 Unified Messaging (UM). A consultant has configured Exchange UM as follows:

Exchange UM Dial Plan: Redmond

Subscriber Access Number: +14255551000

Exchange UM Auto Attendant:

Name: Corp AA

Associated Dial Plan: Redmond

Pilot Identifier: 9999

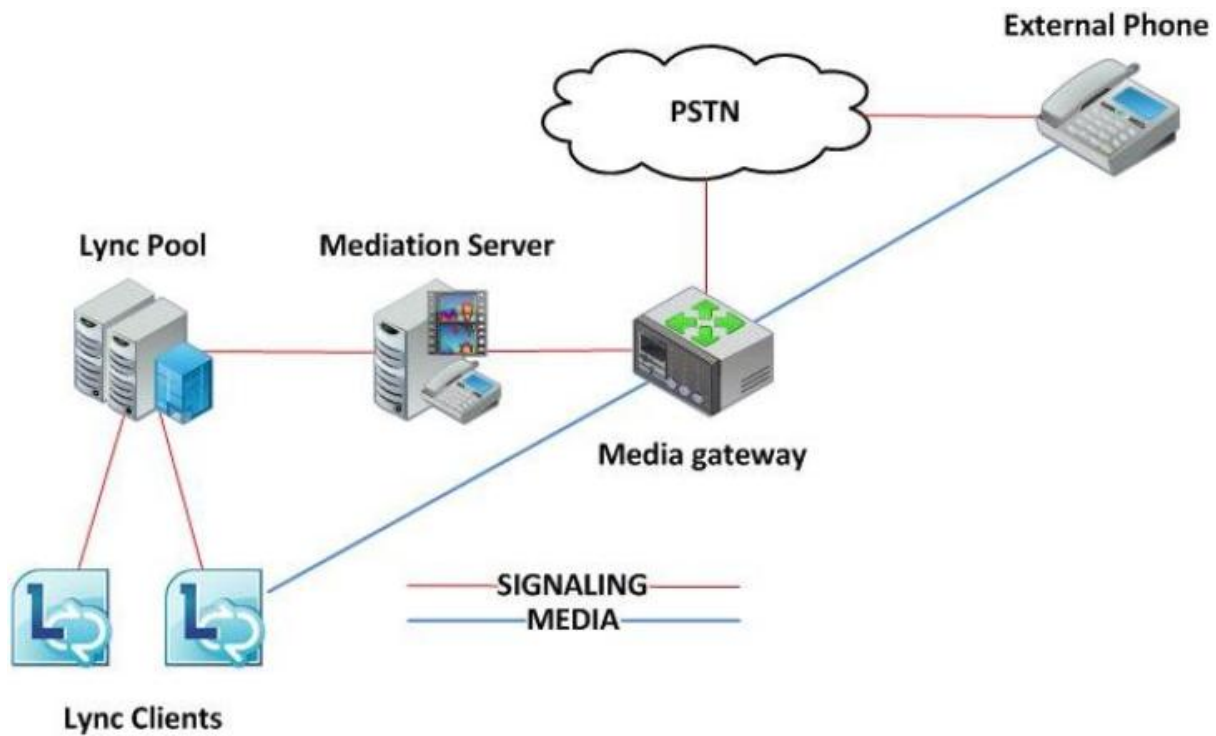
During the deployment, a few users indicate that they are unable to dial the Exchange Auto Attendant from the Lync client. Logging shows the error: "The application specified an invalid request-un". What will correct this problem?

- A. Run the ExchUcUtil.ps 1 script on the Exchange UM server.
- B. Recreate the Exchange UM Auto Attendant without a space in the name.
- C. Run the OcsUmUtil.exe program on the Lync server.
- D. Change the Exchange UM Dial Plan VoIP Security setting to Secured.

Answer: B

Question: 37

Refer to the exhibit.



An organization is using Lync Enterprise Voice to make and receive external PSTN calls from and to the Lync client. The exhibit displays a typical call flow experienced for outgoing PSTN calls for the organization. Which codec will the Lync client use given the media path displayed in the exhibit?

- A. G.729
- B. RTAudioNarrowBand
- C. RTAudio Wide Band
- D. G.711

Answer: D

Question: 38

Refer to the exhibit.

BHT	Blocking	# Lines
154	1%	174
155	1%	175
156	1%	176
157	1%	177
158	1%	178
159	1%	179
160	1%	180
161	1%	181
162	1%	182
163	1%	183
164	1%	184
165	1%	185
166	1%	186
167	1%	187
168	1%	188
169	1%	189
170	1%	190
171	1%	191
172	1%	192
173	1%	193
174	1%	194
175	1%	195
176	1%	196

Contoso is planning an Enterprise Voice deployment of Microsoft Lync Server 2010. Contoso's telecom group determined that the maximum number of calls during the busiest hour of operation is 175. They are working to provision new circuits for their Seattle facility. How many T1 circuits are required to meet capacity?

- A. 7
- B. 8
- C. 9
- D. 10

Answer: C

Question: 39

Contoso has common area IP phones in a lobby and several conferencing rooms. Which action enables hotdesking only for the common area phones in the conference rooms?

- A. Create separate Voice policies for conference rooms and lobby common area phones via New-CsVoicePolicycmdlet.
- B. Create separate contact objects for conference rooms and lobby common area phones via New-CsCommonAreaPhonecmdlet.
- C. Create separate Conferencing policies for conference rooms and lobby common area phones via New-CsConferencingPolicycmdlet.
- D. Create separate Client policies for conference rooms and lobby common area phones via New-CSClientPolicy

cmdlet.

Answer: D

Question: 40

Refer to the exhibit.

Audio codec	Audio payload bitrate (KBPS)	Bandwidth audio payload and IP header only (Kbps)	Bandwidth audio payload, IP header, UDP, RTP and SRTP (Kbps)	Bandwidth audio payload, IP header, UDP, RTP, SRTP and forward error correction (Kbps)
RTAudio Wideband	29	45	57	86
RTAudio Narrowband	11.8	27.8	39.8	51.6
G.722	64	80	95.6	159.6
G.711	64	80	92	156
Siren	16	32	47.6	63.6

Contoso plans to deploy Microsoft Lync Server 2010. Contoso has two locations: Seattle (HQ) and Portland (Branch) connected via MPLS. The Seattle office will host the Lync infrastructure and has 100 users. The Portland office has 25 users. Once a month, Contoso has a company team meeting. Management wants this meeting to use Lync audio conferencing services. Users will join the meeting using their Lync clients. Users in the Portland office connect through a WiFi connection, which often induces packet loss. There is currently no budget to replace or upgrade this solution. What is the maximum bandwidth required for the audio on the Portland MPLS circuit with a default conferencing configuration?

- A. 1.5 Mbps
- B. 3 Mbps
- C. 4 Mbps
- D. 6 Mbps

Answer: C

Question: 41

An administrator is deploying a Formal Response Group for the IT Helpdesk department. Some of the agents in the Response Group report that they are unable to receive calls, while others can. The members of the Response Group have different Active Directory (AD) group memberships and Privacy Mode configurations. How can an administrator ensure that the agents receive calls?

- A. Create a unique AD Helpdesk Group, place all agents in it, and change the Response Group type to Informal.
- B. Search for the RGS Presence Watcher Contacts and add them to their Contact List.
- C. Create a unique AD Helpdesk Group, place all agents in it, and turn on Privacy Mode for all of them.
- D. Search for the RGS Presence Watcher Contacts and remove them from their Contact List.

Answer: B

Question: 42

All organization uses Microsoft Lync Server 2010 with all workloads enabled and deployed on-premises. All users are

configured for Office 365 Hosted Exchange and Unified Messaging. The messaging administrator counterpart has correctly configured the hosted Exchange environment. Which steps must an administrator take in the on-premise Lync environment to enable a working UM Auto-attendant?

- A. Execute new-csexumcontact with the correct SIP address, registrar pool, AD Location, and display number. Populate the ms-each-UC-Voice-Mail-Settings attribute to CSHostedVoiceMailPolicy=1.
- B. Use OCSUMUTTL.exe to create and provision UM contact objects in the on-premise directory with the correct SIP address, registrar pool, AD Location, and display number.
- C. Execute new-csexumcontact with the correct SIP address, registrar pool, AD Location, and display number. Populate the ms-each-UC-Voice-Mail-Settings attribute to CSHostedVoiceMailPolicy=0. Assign the proper UM Dial Plan to the new contact object.
- D. Use OCSUMUTIL.exe to create and provision UM contact objects in the on-premise directory with the correct SIP address, registrar pool, AD Location, and display number. Populate the UM Proxy Address attribute and UM Dial Plan on the new contact object.

Answer: A

Question: 43

An organization uses Microsoft Lync Server 2010 dial-in conferencing. The organization requires:

- Users must use the built-in, dial-in conferencing URL to manage their PEST.
- Extensions are 4 digits in the range of 1000-3000.
- Users joining a dial-in conference must authenticate with the smallest amount of user effort.
- The simplest numbering strategy possible for its Redmond, Washington based office given the other requirements.

"Which Line URI numbering plan meets these requirements?"

- A. +14255551000 to +14255553000
- B. +4255551000; ext=1000 to +4255553000, ext=3000
- C. +1000 to+3000
- D. +14255550123; ext=1000 to +14255550123; ext=3000

Answer: D

Question: 44

A consultant is configuring Lync integration into Exchange 2010 RTM Unified Messaging (UM). A new UM server was deployed in the contoso.com domain. A new UM Dial Plan was created in Exchange, named Redmond. The Lync 2010 deployment has the Dial Plans:

Dial Plan Name:	Scope
Global	Global
Redmond_Users	User
Redmond.contoso.com	User
ExchangeUM	Pool

Which Lync Dial Plan will Exchange Unified Messaging use when performing call transfers?

- A. Global
- B. ExchangeUM

- C. Redmond_Users
- D. Redmond.contoso.com

Answer: D

Question: 45

An organization is deploying Microsoft Lync Server 2010 and needs to identify the numbering plan that will require the smallest amount of change to the legacy PBX environment. The legacy PBX:

- Supports 4 digit extension dialing with extensions in the following ranges 4000-5999.
- Has been configured to send calls in the range of 6000-7999 to be routed to the Lync Mediation server.

Normalization rules have been added to Lync to convert all inbound calls to E. 164 format

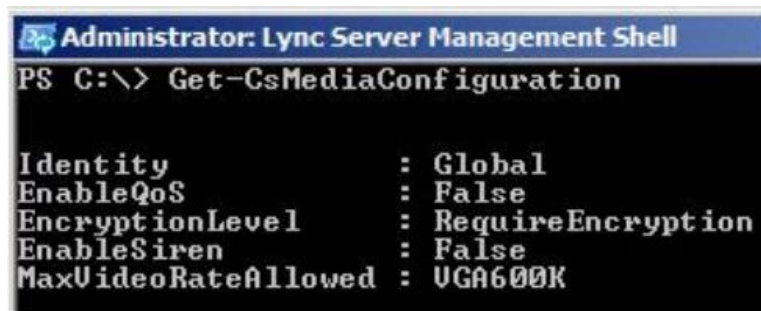
Which approach will allow 4 digit dialing between Lync and the legacy PBX?

- A. Assign Lync users a LineURI in the range of +14255556000 to +14255557999. Configure the digit manipulation on the Legacy PBX to strip all but the last 4 digits on inbound calls from the Lync server.
- B. Assign Lync users a LineURI in the range of +6000 to +7999. Create a Trunk Configuration translation rule to send only the last 4 digits to the legacy PBX.
- C. Assign Lync users a LineURI in the range of +14255556000 to +14255557999. Create a Trunk Configuration translation rule to send only the last 4 digits to the legacy PBX.
- D. Assign Lync users a LineURI in the range of +6000 to +7999. Configure the digit manipulation on the Legacy PBX to strip all but the last 4 digits on inbound calls from the Lync server.

Answer: C

Question: 46

Refer to the exhibit.



```

Administrator: Lync Server Management Shell
PS C:\> Get-CsMediaConfiguration

Identity           : Global
EnableQoS           : False
EncryptionLevel     : RequireEncryption
EnableSiren         : False
MaxVideoRateAllowed : UGA600K
  
```

A consultant is configuring Lync integration into Exchange 2010 SP1 Unified Messaging (UM). The consultant runs the Get-CsMediaConfiguration cmdlet in the Lync Management Shell, which returns the results displayed in the exhibit. Which settings must be configured on the Exchange UM Dial Plan to match the Lync configuration?

- A. URI Type: SIP URI
VoIP Security: SIP Secured
- B. URI Type: E. 164
VoIP Security: SIP Secured
- C. URI Type: SIP URI
VoIP Security: Secured
- D. URI Type: E. 164
VoIP Security: Secured

Answer: C

Question: 47

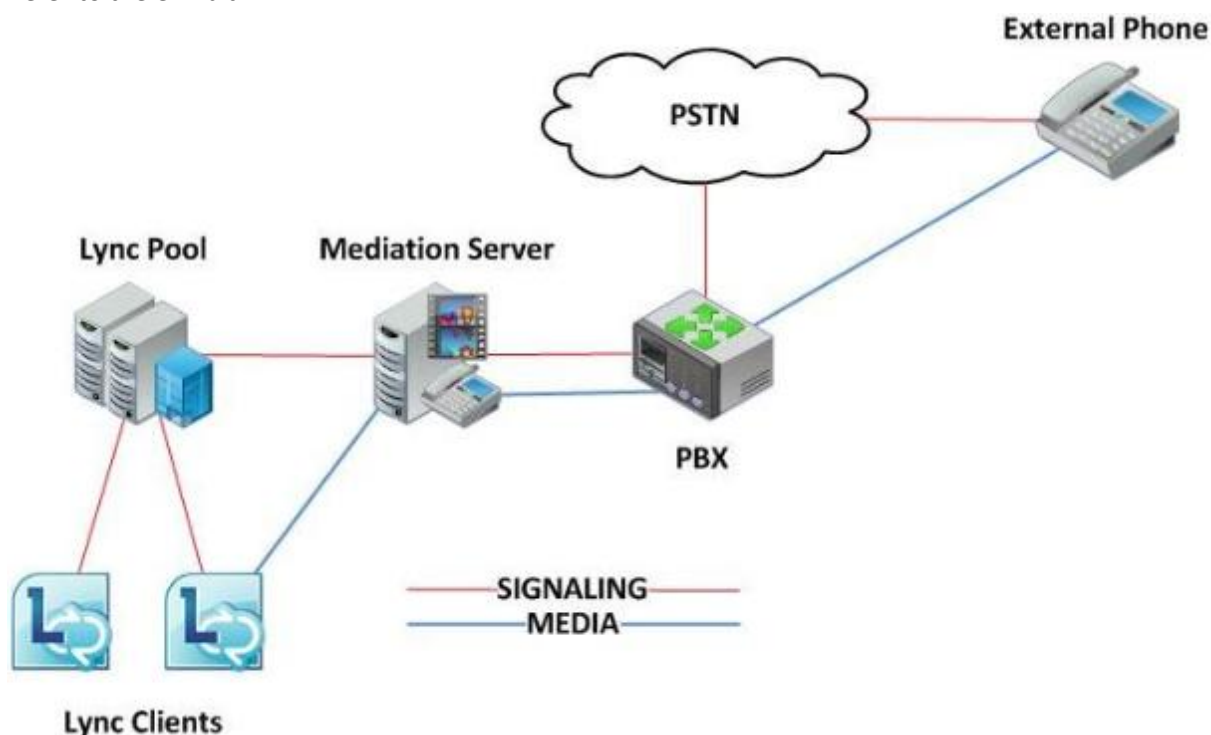
Contoso has a Lync Enterprise Pool in Redmond and a Lync Enterprise Pool in New York. Both locations have Mediation servers and gateways that connect to qualified Enhanced 9-1-1 (E9-1-1) providers. New York users need to use the New York breakout when they are in New York and the Redmond breakout while traveling to Redmond. However, when an administrator reviews the call reports, the administrator realizes that New York users always use the New York gateways. How should the administrator change the environment?

- A. Change the existing location profiles value for "LocationRequired" to "yes".
- B. Change the PSTN usage of the New York users to allow 911 calls to use the Redmond gateway.
- C. Assign a PSTN usage to the location policy for the Redmond subnets that use the Redmond gateway.
- D. Create a user based location policy that allows using the Redmond gateway and the New York gateway and assign it to all New York users.

Answer: C

Question: 48

Refer to the exhibit.



An organization is using Lync Enterprise Voice to make and receive external PSTN calls to and from the Lync client. The exhibit displays a typical call flow experienced for outgoing PSTN calls for the organization. The Lync infrastructure is connected to a PBX that is qualified with Lync Server 2010, but does not support Media Bypass. Which two CODECs can be used on the Lync client given the media path displayed in the exhibit? (Choose two.)

- A. G.711
- B. RTAudio Narrow Band
- C. RTAudio Wide Band
- D. G.729

E. Siren

Answer: AB**Question: 49**

An organization is deploying Microsoft Lync Server 2010 and needs to identify a numbering plan that will require the smallest amount of change to the legacy PBX environments. The organization maintains several retail office locations with 4-5 users per site. Each retail office has a single phone number. The phone numbers are:

User	Site	Common Phone Number	Extension
Ted	Retail1	1-425-555-1111	5021
Jim	Retail1	1-425-555-1111	5427
Sam	Retail2	1-425-555-2222	8033
Jill	Retail2	1-425-555-2222	4271

Which numbering solution meets the organization's objectives?

☐ A.

User	LineURI
Ted	+14255555021
Jim	+14255555427
Sam	+14255558033
Jill	+14255554271

☐ B.

User	LineURI
Ted	+14255551111;ext=5021
Jim	+14255551111;ext=5427
Sam	+14255552222;ext=8033
Jill	+14255552222;ext=4271

☐ C.

User	LineURI
Ted	+14255555021;ext=5021
Jim	+14255555427;ext=5427
Sam	+14255558033;ext=8033
Jill	+14255554271;ext=4271

☐ D.

User	LineURI
Ted	+4255555021;ext=5021
Jim	+4255555427;ext=5427
Sam	+4255558033;ext=8033
Jill	+4255554271;ext=4271

A. Option A

B. Option B

- C. Option C
D. Option D

Answer: B

Question: 50

A customer deployed Microsoft Lync Server 2010 and is trying to interoperate with a legacy PBX infrastructure of 2 PBXs in different locations. The company uses five-digit, internal extensions. The first digit indicates user location and PBX. Changes to the legacy PBX dial plan should be minimized. Extension ranges by location are:

Location	Extension Range	DID/DDI Range
Seattle HQ	80100-82999	14255550100 - 14255552999
Seattle Retail	80000-80099	14255550099

Numbers in the Seattle HQ have been normalized to the format: +142555XXXX; ext = XXXX

XXXX represents the last 4 digits of the users' extension. Which Trunk Configuration Translation Rule allows calls to the legacy PBX in the Seattle HQ?

- A. Matching: `^\+1425550\d{4}; ext=([0, 1, 2]\d{3})$`
Translation: `$1`
- B. Matching: `^\+1425555([0, 1, 2]\d{3}); ext=[0, 1, 2]\d{3}`
Translation: `$1`
- C. Matching: `^\+1425555([0, 1, 2]\d{3}); ext=[0, 1, 2]\d{3}`
Translation: `8$1`
- D. Matching: `^\+1425555[0,1,2]\d{3};ext = [0, 1, 2](\d{3})$`
Translation: `8$1`

Answer: C
