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**Vendor:**Microsoft

**Exam Code:**74-335

**Exam Name:**Network Readiness and Assessment for  
Lync

**Version:**Demo

### QUESTION 1

You need to run a Lync traffic simulation for the Dallas office. What should you do first?

- A. Install Power over Ethernet (PoE) phones in the office.
- B. Determine whether sufficient bandwidth is available.
- C. Failover the office to a backup wide area network (WAN) link.
- D. Implement Quality of Service (QoS) policies.

Correct Answer: B

### QUESTION 2

You need to define branch sites in the Lync Bandwidth Calculator to estimate the volume of Lync traffic.

Which branch sites should you select? (To answer, select the appropriate branch site or sites in the Lync Bandwidth Calculator.)

Hot Area:

The screenshot shows the Lync Bandwidth Calculator interface. It is divided into three main sections: 'Return to Start', 'Site definitions', and 'WAN link Info'. The 'Display Units' is set to 'Kbps'. The 'Site definitions' section shows a table of sites. The 'WAN link Info' section shows configuration options for the WAN link.

Site Name	Total Users in Site	Central Site Providing User Services	Internet Site	Number of Sites like this	Local PSTN Breakout?	Low delay WAN ? (Default-No)	WAN Link Speed	Input Units	WAN Link BW Allocated to RTC Traffic	Input Units
Seattle	50	Vancouver	Vancouver	1	<input type="checkbox"/>	No	5	Mbps	1.25	Mbps
	0			1	<input type="checkbox"/>		10		5	
					<input type="checkbox"/>				10	

Correct Answer:

Return to Start		Site definitions				WAN link Info				
Display Units	Kbps	Central Site Providing User Services	Internet Site	Number of Sites like this	Local PSTN Breakout?	Low delay WAN ? (Default-No)	WAN Link Speed	Input Units	WAN Link BW Allocated to RTC Traffic	Input Units
<b>ch Sites</b>										
Seattle	50	Vancouver	Vancouver	1	Yes No	No	5 10	Mbps	1.25 5 10	Mbps

**QUESTION 3**

You need to identify and apply queuing rules for different traffic types.

Which traffic class should you use with each rule? (To answer, drag the appropriate traffic class or classes to the correct rule or rules in the answer area. Each traffic class 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:

Traffic Class	Rule
best effort, (0)	Reserve at least 25 percent of link bandwidth.
real time, (5)	Limit the amount of strict priority queuing to 33 percent of link capacity.
scavenger, (1)	Assign a minimal amount of bandwidth.
critical data, (4)	Assign an adequate bandwidth guarantee.

Correct Answer:

Traffic Class	Rule
	critical data, (4) Reserve at least 25 percent of link bandwidth.
	real time, (5) Limit the amount of strict priority queuing to 33 percent of link capacity.
	best effort, (0) Assign a minimal amount of bandwidth.
	scavenger, (1) Assign an adequate bandwidth guarantee.

Note:

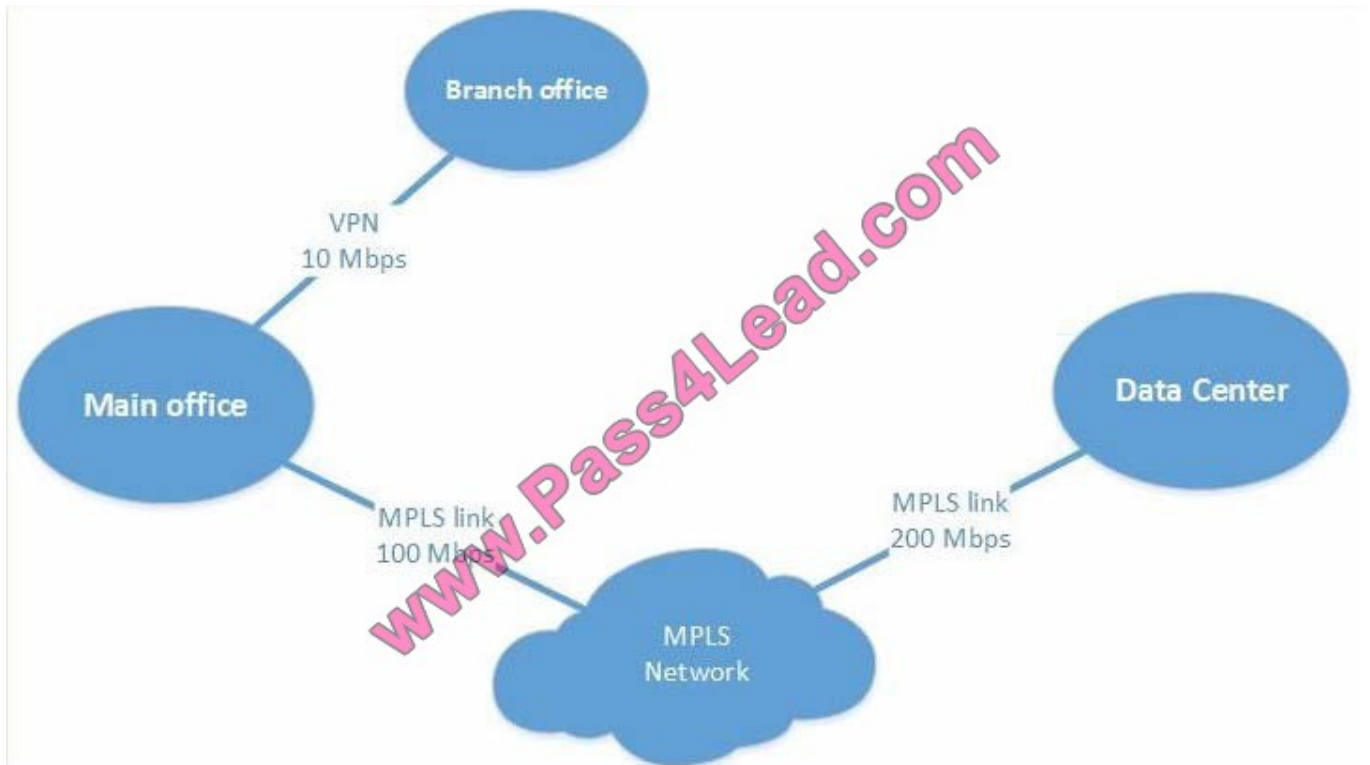
\* Best effort

Best-effort is the standard service level in many IP-based networks. It is a connectionless model of delivery that provides no guarantees for reliability, delay, or other performance characteristics.

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#### QUESTION 4

You analyze the results of Lync traffic modeling for a customer's network. Information about the network is displayed in the exhibit. (Click the Exhibit button.)



The model is based on all Lync modalities usage and assumes that all Lync servers are consolidated in the datacenter.

Your customer wants to dedicate no more than 30 percent of its Multiprotocol Label Switching (MPLS) links to Lync traffic. The branch office link must accommodate at least 50 simultaneous phone calls.

You need to recommend network changes to meet the customer's requirements.

Which change should you recommend for each link? (To answer, drag the appropriate change or changes to the correct link or links in the answer area. Each change 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:

Change

Implement Quality of Service (QoS).

Implement Call Admission Control (CAC).

Replace the link with an MPLS link.

Replace the link with a virtual private network (VPN) link.

Link

branch office VPN link

branch office VPN link

branch office VPN link

main office MPLS link

main office MPLS link

data center MPLS link

data center MPLS link


Correct Answer:

Change

Implement Quality of Service (QoS).

Implement Call Admission Control (CAC).

Replace the link with an MPLS link.

Replace the link with a virtual private network (VPN) link.

Link

branch office VPN link

branch office VPN link

branch office VPN link

main office MPLS link

main office MPLS link

data center MPLS link

data center MPLS link

Implement Quality of Service (QoS).
Implement Call Admission Control (CAC).
Replace the link with an MPLS link.
Implement Quality of Service (QoS).
Implement Call Admission Control (CAC).
Implement Quality of Service (QoS).
Implement Call Admission Control (CAC).

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**QUESTION 5**

You need to calculate the estimated number of incoming lines required to serve the future needs of the call centers.

How should you adjust the parameters in your calculation? (To answer, drag the appropriate parameter or parameters to the correct adjustment or adjustments in the answer area. Each parameter 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:

Parameter	Adjustment	
Erlangs	increase	decrease
lines		
blocking target		

Correct Answer:

Parameter	Adjustment	
	increase	decrease
lines	Erlangs	blocking target

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**QUESTION 6**

You need to recommend a solution to test users\' ability to schedule, join, and conduct an audio/video (A/V) conference. What should you do?

A. Run the Test-CsMcxConference synthetic transaction, save the results, and then view the results through the Lync Server Logging Tool.

- B. Run the Test-CsAVConference synthetic transaction and then analyze the trace call flow in Snooper.
- C. Run the Test-CsUcwaConference synthetic transaction.
- D. Run the Test-CsAudioConferencingProvider synthetic transaction, save the results, and then view the results through the Central Logging Service.

Correct Answer: C

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### QUESTION 7

Your company corporate telephony environment is a combination of Lync 2013 and traditional Private Branch Exchange (PBX). The sites are connected by a Multiprotocol Label Switching (MPLS) topology. There are 750 users who are using

Lync 2013 and 2,500 users who are using the PBX environment. On average, the company has 10 percent of its users in conferences. The company plans to add additional bandwidth for all sites.

The company is concerned about the number of dropped calls on the PBXs. As part of a bandwidth upgrade process, you model real-time transport protocol (RTP) media call flows for audio communications. You have determined the average

number of calls and estimated the bandwidth required for the audio portion of the calls.

You need to identify the additional bandwidth requirements when modeling real-time transport control protocol (RTCP) traffic. Which bandwidth option should you choose?

- A. 5 kilobits per second (kbps) per stream
- B. 20 kilobits per second (kbps) per stream
- C. 5 kilobits per second (kbps) total
- D. 20 kilobits per second (kbps) total

Correct Answer: A

RTCP Bandwidth

Media RTCP maximum bandwidth (Kbps)

Audio 5

Video 10

An Introduction to Network Assessment Concepts: Microsoft Unified Communications

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### QUESTION 8

You need to analyze the bandwidth impact of different video call flows at the Beijing office.



Which codec will apply to which call flow? (To answer, drag the appropriate codec or codecs to the correct call scenario or scenarios in the answer area. Each codec 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:

Codec	Call scenario
G.722 stereo	Peer-to-Peer (P2P) Lync to OCS <input type="text"/>
H.262	Peer-to-Peer (P2P) Lync to Lync <input type="text"/>
H.263	Peer-to-Peer (P2P) Lync to Lync <input type="text"/>
H.264	Peer-to-Peer (P2P) Lync to Lync <input type="text"/>
RTVideo	Conference with Lync clients only <input type="text"/>
RTAudio	Conference with Lync clients only <input type="text"/>
	Conference with Lync and OCS clients <input type="text"/>

Correct Answer:

Codec	Call scenario	Codec
G.722 stereo	Peer-to-Peer (P2P) Lync to OCS	RTVideo
H.262	Peer-to-Peer (P2P) Lync to Lync	H.264
H.263	Peer-to-Peer (P2P) Lync to Lync	RTVideo
H.264	Peer-to-Peer (P2P) Lync to Lync	RTVideo
RTVideo	Conference with Lync clients only	H.264
RTAudio	Conference with Lync clients only	RTVideo
	Conference with Lync and OCS clients	H.263

### QUESTION 9

You have been hired to perform a network readiness assessment for Northwind Traders. During the discovery phase, you collect the following data:

Northwind Traders users\' firewall policy restricts access between business units. Due to compliance restrictions, this policy cannot be modified in any way.

Users often connect to the company\'s network through a virtual private network (VPN) from home. Split tunnels are enforced for non-work traffic.

A hardware load balancer is available on the subnet. The company plans to add Lync server to the subnet.

The company currently uses Quality of Service (QoS) marking 40 for voice traffic.

You need to identify possible problem areas and provide a recommendation. What should you do?

- A. Recommend that Northwind Traders disregard the load balancer because Lync uses Domain Name System (DNS) load balancing only.
- B. Inform Northwind Traders of the different methods that Lync uses to connect media.
- C. Recommend that Northwind Traders open ports between user subnets for voice and video to function.
- D. Suggest that Northwind Traders change the Differentiated Services Code Point (DSCP) value to 48 for Lync traffic.

Correct Answer: C

[http://technet.microsoft.com/en-us/library/gg425882\(v=ocs.15\).aspx](http://technet.microsoft.com/en-us/library/gg425882(v=ocs.15).aspx)

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### QUESTION 10

You need to determine whether the poor quality of Lync calls is related to inadequate network bandwidth. What should you do?

- A. Enable Jumbo Frames on all network switches.
- B. Calculate the current volume of Lync traffic in Litware, and then confirm that volume of Lync traffic does not exceed 50 percent of wide area network (WAN) bandwidth.
- C. Calculate the current volume of Lync traffic in Contoso, and then confirm that the volume of Lync traffic does not exceed 25 percent of wide area network (WAN) bandwidth.
- D. Disable Quality of Service (QoS) support on all network switches.

Correct Answer: C

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### QUESTION 11

Your customer's network includes two offices that are connected by a 100-megabits per second (Mbps) wide area network (WAN) link. Each office has 200 employees. Most employees work remotely and connect to the internal network by

using a virtual private network (VPN). Your customer plans to deploy Lync to support peer-to-peer (P2P) and conference sessions between employees. The customer wants to minimize Lync workload at the existing VPN server appliance.

You prepare modeling of Lync traffic for the customer's network. You need to determine what additional information should be collected and included in the modeling calculation. Which two pieces of information should you collect? (Each correct answer presents a complete solution. Choose two.)

- A. codecs to be used by Lync clients
- B. encryption protocols used to protect VPN communications
- C. proposed location of the Lync Edge server
- D. historic workload of the VPN appliance

Correct Answer: AD

Note:

\* Bandwidth figures include the protocol overheads for IP, UDP, RTP, and SRTP. This is why the Microsoft bandwidth figures for standard codecs are different from those quoted by other VoIP suppliers, who only state the raw codec figure, and not the entire packet overhead. Networking Guide Network Planning, Monitoring, and Troubleshooting with Lync Server

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### QUESTION 12

You need to validate the Lync 2013 implementation design traffic simulation scenario based on the existing network environment. Which two actions should you perform during a test run? (Each correct answer presents part of the solution. Choose two.)

- A. Confirm that Lync Server is configured correctly.
- B. Confirm that the network infrastructure is configured correctly.
- C. Confirm that Quality of Service (QoS) policies are being correctly applied.
- D. Determine whether any congestion patterns develop within the network.

Correct Answer: AB

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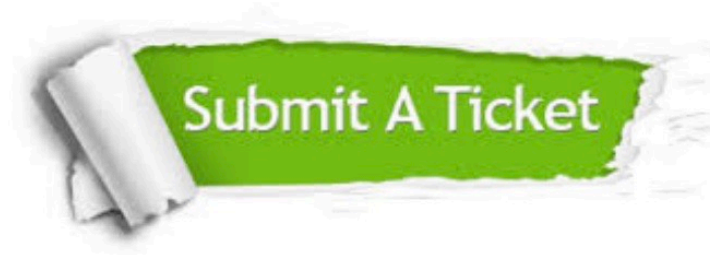
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