



# 74-335<sup>Q&As</sup>

Network Readiness and Assessment for Lync

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**QUESTION 1**

You need to resolve the poor voice quality issues for Fabrikam, Inc. Which cmdlet should you use?

- A. Set-CsUCPhoneConfiguration -Voice8021p 40
- B. Set-CsUCPhoneConfiguration -VoiceDiffServTag 40
- C. Set-CsUCPhoneConfiguration -Voice8021p 46
- D. Set-CsUCPhoneConfiguration -VoiceDiffServTag 46

Correct Answer: D

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**QUESTION 2**

You need to recommend the appropriate wide area network (WAN) connection for Fabrikam, Inc., including Quality of Service (QoS) support and low latency.

Which technology should you recommend?

- A. Internet
- B. Virtual private network (VPN)
- C. Multiprotocol Label Switching (MPLS)
- D. Frame Relay

Correct Answer: C

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**QUESTION 3**

You need to modify the relevant portion of the Persona configuration in the Lync Bandwidth Calculator to estimate the planned volume of Lync traffic for the Contoso office in Vancouver. Which options should you select? (To answer, select the appropriate value in each drop-down menu in the Lync Bandwidth Calculator.)

Hot Area:



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**Client and Deployment Options**

Client	Deployment
Lync 2010	Onpremise
Lync 2013	Online-Shared
Lync 2013 VDI	Online-Dedicated
Lync 2013 Web Access	Online-Hybrid-Voice
Lync 2010 Mobile	
Lync 2013 Mobile	
Lync Room System	
Lync Phone Edition	

**Note:**  
There are up to 10 persona definitions allowed.  
Use as many as you need and feel free to rename them.

**Concurrency Example**  
Usage Models use Max Concurrency at Peak Time per Modality. For example, a user profile with 1000 users that uses a medium PSTN Usage Model (10% concurrency) would have 100 users making PSTN calls at the busiest time of the day.

Usage Models Definitions (Max Concurrency at Peak Time per Modality)	Custom Thresholds				
usage	none	low	medium	high	custom 1
IM/Presence	0%	65.00%	80.00%	90.00%	85.00%
P2P audio	0%	0.50%	1.50%	2.50%	1.00%
P2P video	0%	0.10%	0.30%	0.50%	1.00%
conf audio	0%	1.00%	3.00%	5.00%	1.00%
conf video	0%	0.10%	0.50%	1.00%	1.00%
desktop share	0%	0.50%	1.00%	1.50%	1.00%
PSTN audio	0%	5.00%	10.00%	15.00%	25.00%

**Persona Definitions**

Client	Deployment	IM/Presence	P2P audio	P2P video	conf audio	conf video	desktop share	PSTN audio	Lync 2010 RTV_Type	Remote Users	Lync 2013 Stereo Audio	Lync 2013 Video Quality	
Desktop Information Worker	Lync 2013	Onpremise	High	medium	medium	medium	medium	medium	medium	CIF	10%	0%	Best
Mobile Information Worker	Lync 2013	Onpremise	Medium	medium	medium	medium	medium	medium	medium	CIF	90%	0%	Best
Administrators	Lync 2010	Onpremise	Medium	medium	medium	medium	medium	medium	medium	CIF	10%	0%	Best
Small Branch - Information Worker	Lync 2010	Onpremise	Medium	medium	medium	medium	medium	medium	medium	CIF	10%	0%	Best
Vancouver Employees	Lync 2013	Onpremise	Medium	medium	medium	medium	none	medium	medium	CIF	0%	Best	

Correct Answer:

**Return to Start**

**Client and Deployment Options**

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Lync 2010	Onpremise
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P2P video	0%	0.10%	0.30%	0.50%	1.00%
conf audio	0%	1.00%	3.00%	5.00%	1.00%
conf video	0%	0.10%	0.50%	1.00%	1.00%
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#### QUESTION 4

You perform a network readiness assessment for Lync deployment for a customer's organization. The customer's organization includes five sites that are connected by site-to-site virtual private network (VPN) links. Each site includes 20 to

100 client computers.

You want to prepare a Lync traffic simulation.

You need to select the network traffic characteristics to collect.

Which three network traffic characteristics should you select? (Each correct answer presents part of the solution.)



Choose three.)

- A. TCP/IP port statistics
- B. average packet loss
- C. one-way network delay
- D. minimum jitter
- E. average jitter
- F. peer-to-peer (P2P) available bandwidth

Correct Answer: BCE

Your simulation testing should use five baseline network characteristics that will quantify your network's performance under the anticipated traffic volume that your users will generate by using Lync Server.

A simulation tool must be able to generate traffic (real RTP/RTCP traffic), collect, and then graph the variation in the five baseline network characteristics for each call:

One-way network delay (C)

Average jitter(E)

Maximum jitter

Average packet loss (B)

Burst packet loss (peak consecutive packets lost)

Ref: <http://technet.microsoft.com/en-us/library/gg615012.aspx>

Network Planning, Monitoring, and Troubleshooting with Lync Server

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## QUESTION 5

You need to recommend a network upgrade based on the results of the Lync traffic simulation. Which upgrade should you recommend?

- A. Upgrade the backup Internet connection at the Quebec call center.
- B. Upgrade the backup Multiprotocol Label Switching (MPLS) link at the Toronto data center.
- C. Upgrade the backup Internet connection at the Toronto data center.
- D. Upgrade the backup Internet connection at the Montreal call center.

Correct Answer: A



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