74-335 Q&As

Network Readiness and Assessment for Lync

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QUESTION 1

Your company corporate telephony environment is a combination of Lync 2013 and traditional Private Branch Exchange (PBX). The company has three sites that 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.

Multiple users report dropped calls and poor voice quality. The company is planning to add additional bandwidth for all sites.

You plan to generate and collect simulated traffic and then analyze the variations in the baseline network characteristics for each audio call.

You need to collect the baseline network characteristics to simulate peer-to-peer (P2P), conference, and public switched telephone network (PSTN) communications.

Which three pieces of information should you collect? (Each correct answer presents part of the solution. Choose three.)

A. cycle jitter

B. burst packet loss

C. sampling jitter

D. one-way network delay

E. average jitter

F. jitter period

Correct Answer: BDE

Support for all five baseline characteristics:

o One-way network delay

o Average jitter

o Maximum jitter

o Average packet loss

o Burst packet loss (peak consecutive packets lost)

Networking Guide Network Planning, Monitoring, and Troubleshooting with Lync Server

QUESTION 2

You perform a network readiness assessment for a Lync deployment and model Lync network traffic by using the Lync Bandwidth Calculator.

The organization plans to use panoramic video conference calls. You need to build a report to determine if the existing wide area network (WAN) links\\' bandwidth is sufficient to handle panoramic video conference call traffic.

What should you do?

A. In the Codecs tab, customize the parameters for Lync 2013 multiview utilization.

B. Create a custom threshold definition.

C. Create custom calculations based on peer-to-peer (P2P) and conference traffic estimations.

D. In the Definitions tab, customize the resolution parameter for application sharing.

Correct Answer: C

Limitation: The Lync Server Bandwidth Calculator does not account for traffic of Panorama video.

Workaround: Build your own calculations in the Work area tab of the bandwidth calculator, based on the amount of peer-to-peer (P2P) and conferencing video calls as calculated in the Sites tab of the bandwidth calculator.

Limitation: The bandwidth calculator assumes that all conferencing traffic from branch site users who are assigned to the central site, terminates in this central site. Currently, the ability to split conferencing traffic between multiple central sites

is not supported. Workaround: Build your own calculations for split conferencing traffic in the Work area tab of the bandwidth calculator.

User Guide: Microsoft Lync Server 2010 and 2013: Bandwidth Calculator

QUESTION 3

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

QUESTION 4

Your company corporate telephony environment is a combination of Lync 2013 and traditional Private Branch Exchange (PBX). The company has three sites that are connected by a Multiprotocol Label Switching (MPLS) topology. There are 1,250 users who are using Lync 2013 and 2,250 users who are using the PBX environment. On average, the company

has 3 percent of its users dialing in for conferences and 6 percent on a public switched telephone network (PSTN) call at any time.

The company plans to remove the PBXs and have all users use only Lync 2013. You need to generate a usage model based on the existing data usage and real-time communications through all of the PBXs.

Which two pieces of information should you collect when you performing usage modeling? (Each correct answer presents part of the solution. Choose two.)

A. number of peer-to-peer (P2P) calls over the MPLS network

B. number of calls that use RTAudio Wideband

C. number of intersite calls through PSTN

D. number of PSTN channels provisioned

E. number of calls that use G.722

Correct Answer: CD

. Evaluate the following information, if available, for usage modeling: Number of PBXs implemented.

(D) Number of public switched telephone network (PSTN) channels provisioned. (C) Number of any intersite tie connections between PBXs, or whether intersite calls are made through the PSTN.

Number of users at each location.

Call data records (CDRs) for PSTN traffic usage.

Usage statistics, such as the maximum number of concurrent calls during the busy hour:

Total number and usage of PSTN channels at each site

o

Trunk usage for intersite connections

o

Incorrect:

not B: Internal Microphone (Conexant 20585 SmartAudio HD)

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QUESTION 5

Your customer\\'s network includes a main office with 500 employees and 10 branch offices with 200 employees each. All branch offices are connected to the main office by wide area network (WAN) links.

You analyze the network readiness for Lync deployment. The customer estimates that at any given time, 20 employees at each branch office will be involved in audio conferences and 150 will be involved in public switched telephone network

(PSTN) conversations over the WAN

link.

You need to modify the relevant modalities of the correct usage model for the branch offices.

How should you modify the relevant modalities? (To answer, select the appropriate value in each drop-down menu in the table showing information from the Lync Persona tab.)

Hot Area:

usage	none	low	medium	high	custom 1
IM/Presence	0%	65.00%	80.00%	90.00%	0.00%
Presence					
P2P audio	0%	0.50%	1.50%	2.50%	
P2P video	0%	0.10%	0.30%	0.50%	
conf audio	0%	1.00%	3.00%	5.00%	
conf video	0%	0.10%	0.50%	1.00%	
desktop share	0%	0.50%	1.00%	1.50%	
PSTN audio	0%	5.00%	10.00%	15.00%	

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Correct Answer:

usage	none	low	medium	high	custom 1
IM/Presence	0%	65.00%	80.00%	90.00%	0.00%
~~Presence~~					
P2P audio	0%	0.50%	1.50%	2.50%	0% / 10% / 20% / 75%
P2P video	0%	0.10%	0.30%	0.50%	0% / 10% / 20% / 75%
conf audio	0%	1.00%	3.00%	5.00%	0% / 10% / 20% / 75%
conf video	0%	0.10%	0.50%	1.00%	0% / 10% / 20% / 75%
desktop share	0%	0.50%	1.00%	1.50%	0% / 10% / 20% / 75%
PSTN audio	0%	5.00%	10.00%	15.00%	0% / 10% / 20% / 75%

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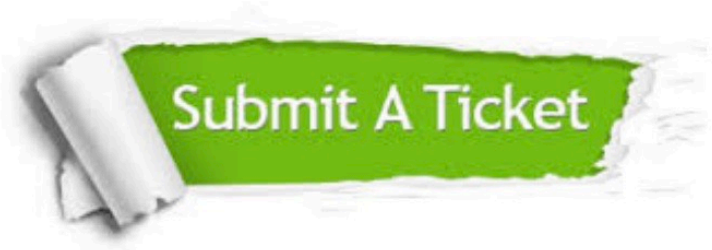

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