



74-335^{Q&As}

Network Readiness and Assessment for Lync

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QUESTION 1

You prepare a response to a client's request for proposal (RFP) for a Lync network readiness assessment.

The client's network includes a main office that houses 500 employees and 30 branch offices that house 20 to 100 employees each. All sites are connected by a Multiprotocol Label Switching (MPLS) network. The client plans to use Lync

video and upload and share Microsoft PowerPoint presentations.

The client wants to perform a Lync network assessment.

You need to include the required tasks in the RFP response, in the correct order.

Which four tasks should you perform in sequence? (To answer, move the appropriate four actions from the list of actions to the answer area and arrange them in the correct order.)

Select and Place:

Calculate bandwidth for content sharing.	
Select sites for Lync traffic simulation.	
Identify asymmetric links.	
Document findings and recommendations.	
Estimate bandwidth required for Remote Desktop Protocol (RDP).	
Identify call flows.	

Correct Answer:

	Calculate bandwidth for content sharing.
	Estimate bandwidth required for Remote Desktop Protocol (RDP).
Identify asymmetric links.	Select sites for Lync traffic simulation.
	Document findings and recommendations.
Identify call flows.	



Note:

* In order:

* The network assessment uses a proven methodology to:

/ Discover your environment.

/ Model your usage patterns and usage scenarios by using information collected during discovery, with the help of the Lync Bandwidth Calculator.

/ Simulate the anticipated Lync Server traffic volumes by using real media streams for a full seven days.

/ Analyze the underlying network infrastructure performance characteristics to determine your readiness in deploying Lync Server.

After you identify the scenarios to simulate traffic, coupled with the anticipated total bandwidth required, you

QUESTION 2

Your customer's network includes four offices and a data center that are connected by a Multiprotocol Label Switching (MPLS) network.

Your customer has performed a network readiness assessment. The readiness report includes the following sections:

Existing network topology

Historical wide area network (WAN) links

bandwidth utilization Bandwidth estimations

o Video bitrates per client window sizes

o Desktop sharing bitrates

o Bitrates per codec

Users and locations

You are asked to review the readiness report.

You need to identify which sections are missing from the readiness report and should be included.

Which two sections should you include? (Each correct answer presents part of the solution. Choose two.)

A. Discovery

B. Recommendations

C. Traffic simulation

D. Modeling

Correct Answer: BD



A network assessment can be split into four distinct phases and each phase depends on information collected from the previous phase. The four phases in order are:

1.

Discovery: Understand all aspects of the network infrastructure.

2.

Modeling: Include both `usage modeling` and `traffic modeling` where proposed bandwidth usage is models based on existing usage data and using knowledge of the new systems data requirements to estimate usage requirements of the new system.

3.

Traffic simulation: Use a traffic simulator to apply application specific traffic to the production network. This phase also includes monitor the network segments to understand what impact the simulated traffic will have on the network.

4.

Recommendations: Analyze data, and produce a report with recommendations. An Introduction to Network Assessment Concepts: Microsoft Unified Communications

QUESTION 3

You need to implement a traffic regulation mechanism to monitor and classify packets, both incoming and outgoing, with the ability to remark excess traffic. What should you use?

- A. Call Admission Control (CAC)
- B. a queuing technique
- C. traffic policing
- D. traffic shaping

Correct Answer: C

The following table lists the differences between shaping and policing: Shaping Policing Drop (or remark) Buffer and queue excess packets excess packets above the above the committed rates. committed rates. Does not buffer.*

QUESTION 4

You are analyzing the collected data about the current environment. You need to identify the information that will be used to develop usage modeling to fulfill the business requirements. Which three pieces of information should you choose? (Each correct answer presents part of the solution. Choose three.)

- A. average meeting size and duration
- B. number of users at each location
- C. number of public switched telephone network (PSTN) channels provisioned



D. results of traffic simulation

E. total minutes of video conferences used per month

Correct Answer: BCE

* To begin the process of usage modeling, you should ask a number of general questions: How many site locations are there?

(B) How many users are at each site location?

How many users will always be remote?

What are the future growth estimates?

What sort of WAN technology/topology is deployed?

What is your overall WAN link speed?

* A key ingredient in defining personas is to review the existing private branch exchanges (PBXs) or real-time communications system infrastructure capacity. This data helps to validate any personas and usage models that you create. It also

helps to indicate any future capacity planning requirements for Lync servers, and other adjunct systems required. Evaluate the following information, if available, for usage modeling:

Number of PBXs implemented.

Number of public switched telephone network (PSTN) channels provisioned. 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:

(CE) Total number and usage of PSTN channels at each site

Trunk usage for intersite connections

o

QUESTION 5

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	
H.262	Peer-to-Peer (P2P) Lync to Lync	
H.263	Peer-to-Peer (P2P) Lync to Lync	
H.264	Peer-to-Peer (P2P) Lync to Lync	
RTVideo	Conference with Lync clients only	
RTAudio	Conference with Lync clients only	
	Conference with Lync and OCS clients	

Correct Answer:

Codec	Call scenario	
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	H.264
RTVideo	Conference with Lync clients only	RTVideo
RTAudio	Conference with Lync clients only	H.263
	Conference with Lync and OCS clients	



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