



74-335^{Q&As}

Network Readiness and Assessment for Lync

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QUESTION 1

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

QUESTION 2

You need to collect troubleshooting information to analyze the Enterprise Voice functionality issues at the Seattle office during the Proof of Concept (POC) testing.



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

Select and Place:

- Run the **Start-csclslogging** cmdlet.
- Run the **Stop-csclslogging** cmdlet.
- Run the **Search-csclslogging** cmdlet.
- Reproduce the issue by making test calls.
- Run the **clscontroller.exe -dump scenario** command.
- Run the **Sync-csclslogging** cmdlet.

Correct Answer:

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-
-
-
- Run the **clscontroller.exe -dump scenario** command.
-

- Run the **Start-csclslogging** cmdlet.
- Reproduce the issue by making test calls.
- Run the **Sync-csclslogging** cmdlet.
- Run the **Stop-csclslogging** cmdlet.
- Run the **Search-csclslogging** cmdlet.

Note:

* start-csclslogging

Starts the specified scenario centralized logging service scenario. Centralized logging provides a way for administrators



to simultaneously enable or disable Lync Server 2013 tracing on multiple computers.

* Stop-CsCIsLogging

Stops the specified scenario centralized logging service scenario. Centralized logging provides a way for administrators to simultaneously enable or disable Lync Server 2013 tracing on multiple computers.

* Sync-CsCIsLogging

Flushes the centralized logging service cache

When a scenario is being logged, the service will maintain data in memory and then periodically write that data to disk. However, at any time administrators can run the Sync-CsCIsLogging cmdlet to "flush" the data cache. When this is done,

all the logging data currently in memory will be written to disk, the data caches will be cleared, and the log files will be available for searching.

* Search-CsCIsLogging

Provides a command-line option for searching the centralized logging service log files.

Lastly we capture the data:

Start-CsCIsLogging

QUESTION 3

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 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

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QUESTION 5

Your customer has a main office that houses 450 employees and a call center that houses 120 employees. The main office and the call center are connected by a 100-megabits per second (Mbps) wide area network (WAN) link. The call center uses a Private Branch Exchange (PBX) that has 150 incoming lines.

Your customer plans to deploy a Lync infrastructure for all employees. You collect network information and start building a Lync usage model. You need to identify the deliverables that must be achieved after the Lync usage modeling phase is completed.

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



- A. Quality of Service (QoS) configuration
- B. calculation of user-generated Lync traffic
- C. calculation of server-to-server generated Lync traffic
- D. calls simulation over the WAN link
- E. RTC traffic estimation over the WAN link

Correct Answer: BE

Modeling traffic is effectively a process of calculating or extrapolating expected data usage of an application based on understanding the data requirements of the application. Usage scenarios can be defined and data calculation can be performed based on the respective scenarios. However, modeling RTC traffic is only as useful as the information provided. There are certainly some published generic guidelines about utilization levels and user profiles, but they are not a replacement for obtaining accurate information on actual PSTN usage, peer calling, and conferencing usage.

An Introduction to Network Assessment Concepts: Microsoft Unified Communications

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