



74-335^{Q&As}

Network Readiness and Assessment for Lync

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QUESTION 1

You need to determine which hop between the Montreal call center and the data center must be further investigated due to unacceptable performance.

Which line in the output of the pathping.exe tool indicates the unacceptable performance? (To answer, select the appropriate line in the in the pathping.exe tool output.)

Hot Area:

```
C:\windows\system32\cmd.exe
C:\>pathping srv-lync-02.corp.adatum.com

Tracing route to srv-lync-02.corp.adatum.com [10.10.54.135]
over a maximum of 30 hops:
 0 CCNST215 [10.97.62.217]
 1 10.97.0.2
 2 10.63.10.1
 3 192.168.16.2
 4 10.12.39.1
 5 10.12.51.254
 6 10.12.130.25
 7 srv-lync-02.corp.adatum.com [10.10.54.135]

Computing statistics for 175 seconds...
Hop  RTT      Source to Here   This Node/Link   Address
     Lost/Sent = Pct Lost/Sent = Pct  Lost/Sent = Pct  Address
 0          0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      CCNST215 [10.97.62.217]
 1     5ms     0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.97.0.2
 2     ---   100/ 100 = 0%    100/ 100 =100%   0/ 100 = 0%      10.63.10.1
 3    21ms    0/ 100 = 0%      0/ 100 = 0%      5/ 100 = 5%      192.168.16.2
 4   135ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.39.1
 5   144ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.51.254
 6   142ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.130.25
 7   150ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      srv-lync-02.corp.adatum.com [10.10.54.135]

Trace complete.

C:\>
```

Correct Answer:



```
C:\windows\system32\cmd.exe
C:\>pathping srv-lync-02.corp.adatum.com

Tracing route to srv-lync-02.corp.adatum.com [10.10.54.135]
over a maximum of 30 hops:
 0  CCNST215 [10.97.62.217]
 1  10.97.0.2
 2  10.63.10.1
 3  192.168.16.2
 4  10.12.39.1
 5  10.12.51.254
 6  10.12.130.25
 7  srv-lync-02.corp.adatum.com [10.10.54.135]

Computing statistics for 175 seconds...
Hop  RTT      Source to Here   This Node/Link   Address
     Lost/Sent = Pct Lost/Sent = Pct  Lost/Sent = Pct  Address
 0      0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      CCNST215 [10.97.62.217]
 1     5ms     0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.97.0.2
 2     ---    100/ 100 = 0%    100/ 100 =100%   0/ 100 = 0%      10.63.10.1
 3    21ms    0/ 100 = 0%      0/ 100 = 0%      5/ 100 = 5%      192.168.16.2
 4   135ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.39.1
 5   144ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.51.254
 6   142ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      10.12.130.25
 7   150ms   0/ 100 = 0%      0/ 100 = 0%      0/ 100 = 0%      srv-lync-02.corp.adatum.com [10.10.54.135]

Trace complete.

C:\>
```

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 configure the Lync Server 2013 Stress and Performance Tool to simulate public switched telephone network (PSTN) traffic.

Which four actions 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:



Use UserProvisioningTool.exe to create users and contacts, and use UserProfileGenerator.exe to configure User Profile.

Configure Lync Server 2013 for Scenarios.

Install CapacityPlanningTool.msi on each client computer that you will be using to simulate user traffic.

Use Stressconfig.exe to create users and contacts, and use UserProfileGenerator.exe to configure User Profile.

Run LyncPerfTool.exe.

Install CapacityPlanningTool.msi on test client computers and on the Front End Server.

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Correct Answer:



Use Stressconfig.exe to create users and contacts, and use UserProfileGenerator.exe to configure User Profile.

Install CapacityPlanningTool.msi on test client computers and on the Front End Server.

Install CapacityPlanningTool.msi on each client computer that you will be using to simulate user traffic.

Configure Lync Server 2013 for Scenarios.

Use UserProvisioningTool.exe to create users and contacts, and use UserProfileGenerator.exe to configure User Profile.

Run LyncPerfTool.exe.

QUESTION 4

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

QUESTION 5

You need to use the Lync Bandwidth Calculator to create a new persona definition for Litware, Inc.



Which options should you select? (To answer, select the appropriate option in each dropdown menu in the Lync Bandwidth Calculator.)

Hot Area:

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	

Usage Models Definitions (Max Concurrency at Peak Time per Mode)

usage	none	low	medium
IM/Presence	0%	65.00%	80.00%
P2P audio	0%	0.50%	1.50%
P2P video	0%	0.10%	0.30%
conf audio	0%	1.00%	3.00%
conf video	0%	0.10%	0.50%
desktop share	0%	0.50%	1.00%
PSTN audio	0%	5.00%	10.00%

Persona Definitions

Client	Deployment	IM/Presence	P2P audio	P2P video	conf audio	conf video	desktop share	PSTN audio	Lync 2010 RTV_Type	Remote Users	Start
Litware Employees	Lync 2013	Onpremise							CIF		

Correct Answer:

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	

Usage Models Definitions (Max Concurrency at Peak Time per Mode)

usage	none	low	medium
IM/Presence	0%	65.00%	80.00%
P2P audio	0%	0.50%	1.50%
P2P video	0%	0.10%	0.30%
conf audio	0%	1.00%	3.00%
conf video	0%	0.10%	0.50%
desktop share	0%	0.50%	1.00%
PSTN audio	0%	5.00%	10.00%

Persona Definitions

Client	Deployment	IM/Presence	P2P audio	P2P video	conf audio	conf video	desktop share	PSTN audio	Lync 2010 RTV_Type	Remote Users	Start
Litware Employees	Lync 2013	Onpremise	None	None	None	None	None	None	CIF		

/ All Lync-enabled users in Litware will use Instant Messaging only. Currently, Instant Messaging concurrent usage at Litware is 50 percent during peak hours.



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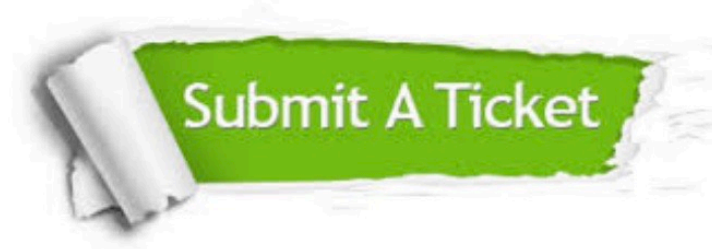
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