



74-335^{Q&As}

Network Readiness and Assessment for Lync

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QUESTION 1

You are developing a design solution to eliminate the possibility of wide area network (WAN) oversubscription by Lync traffic.

You need to assign tasks to each office.

Which tasks should you assign to each office? (To answer, drag the appropriate task or tasks to the correct office or offices in the answer area. Each task may be used once, more than once, or not at all. You may need to drag the split bar

between panels or scroll to view content.)

Select and Place:

Task	Office
Implement Call Admission Control (CAC).	Vancouver office
Deploy Quality of Service (QoS).	Seattle office
Deploy sFlow on all network switches.	
Create a throttling policy.	
Implement Multiprotocol Label Switching (MPLS).	

Correct Answer:

Task	Office
Implement Call Admission Control (CAC).	Vancouver office
Deploy Quality of Service (QoS).	Seattle office
Deploy sFlow on all network switches.	
Create a throttling policy.	
Implement Multiprotocol Label Switching (MPLS).	Vancouver office

Note:

From scenario:

* The core portion of the infrastructure is located in the Vancouver data center, although the Seattle data center also has



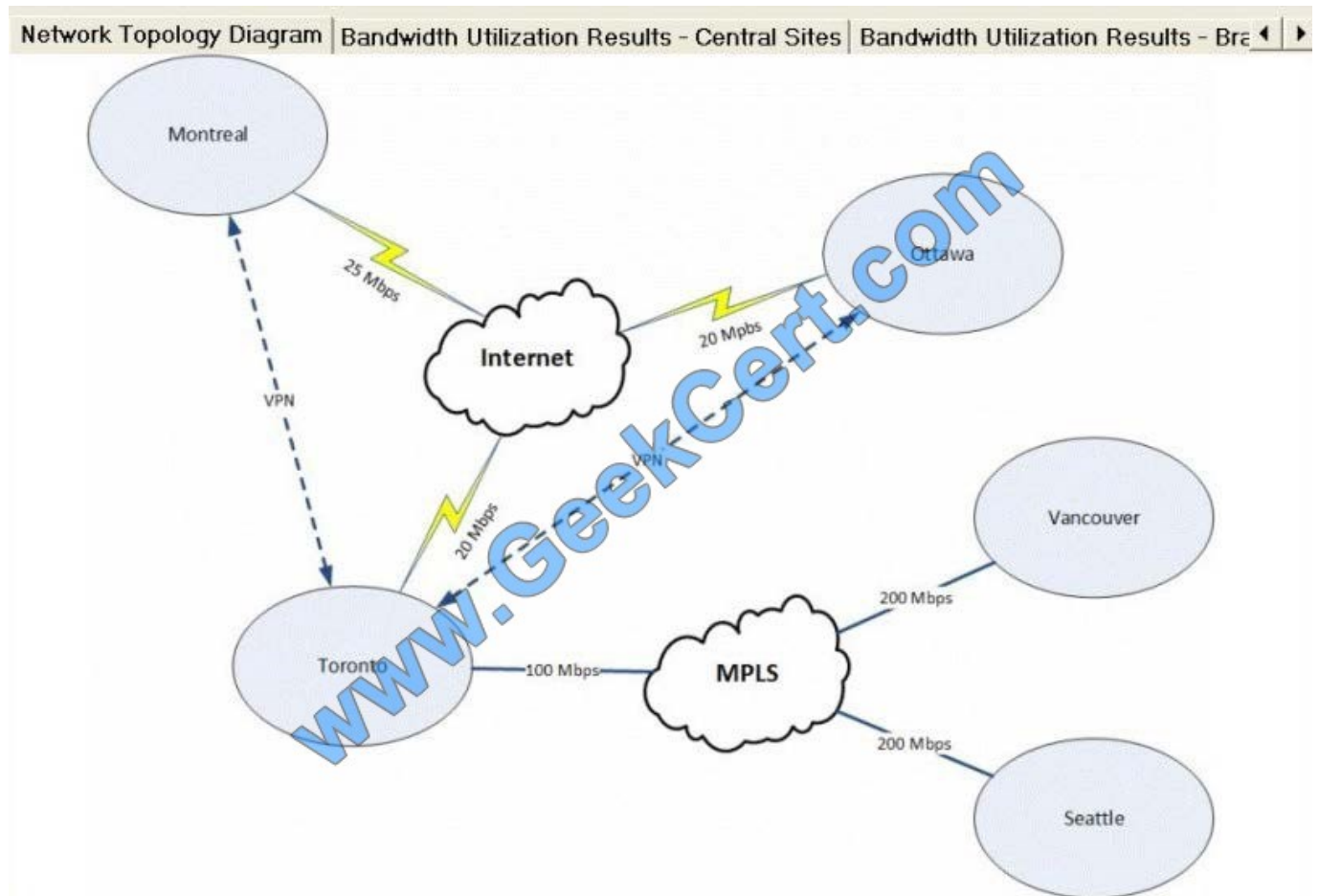
two servers (AD Domain controller, DFS server) to provide redundancy of Active Directory and data services.

* Contoso plans to redesign the existing site-to-site VPN solution between the Vancouver and Seattle offices to implement a robust and reliable WAN solution with end-to-end support of Quality of Service (QoS).

QUESTION 2

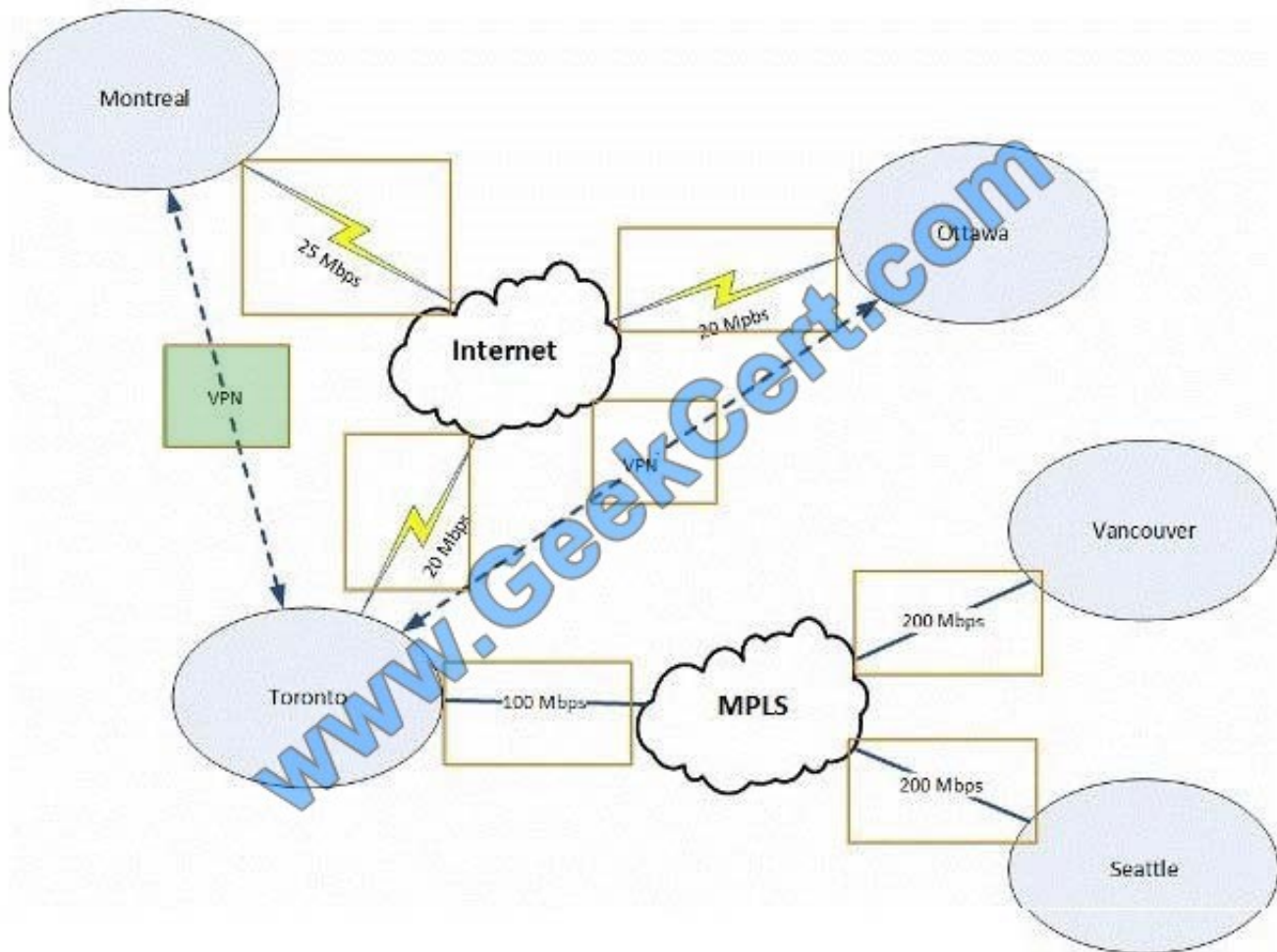
You are evaluating Lync traffic modeling results for your customer.

The customer's network topology is shown in the Network Topology exhibit. (Click the Exhibit button.)



Bandwidth utilization results for the sites are shown in the exhibits as follows:

Correct Answer:



Speed Sensing Mismatch (Full/Auto)

Network adapter speed and duplex mismatch is another issue that can cause packet loss and jitter on a network segment. It can seem counterintuitive that the Auto setting on a network adapter driver or switch port does not work against another interface set to Full. Both interfaces must be set to the same setting in order for packets to flow reliably. In many cases, network performance degradation caused by mismatched settings go unnoticed until real-time media is carried over this link.

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QUESTION 3

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 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>

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QUESTION 5

You need to identify the quality metrics that are responsible for the poor quality of audio calls for users in the Seattle office. Which quality metric should you identify?

- A. average packet loss rate
- B. maximum round trip
- C. burst gap duration
- D. average jitter

Correct Answer: A

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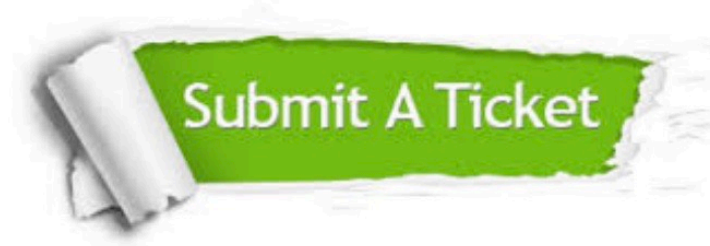
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