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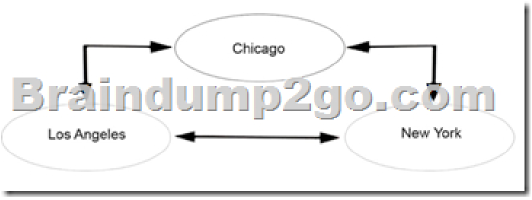
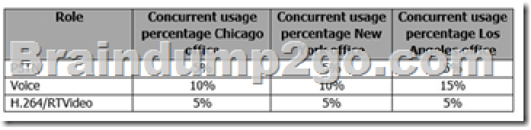
2016 May Microsoft 70-333 Exam Questions Updated in Braindump2go.com Online IT Certification Exams Study Website! NEW QUESTION 13 - NEW QUESTIONS 17 Case Study 3 - Humongous Insurance Humongous Insurance currently employs 7,500 people and is based in the United States.The company has 4,000 users in its main office in Chicago. It also has two branch offices, one in New York with 2,000 users and the other in Los Angeles with 1,500 users. The company has 30 executives located across the offices.The company recently migrated from Lync Server 2010 to Skype for Business Server 2015.The company plans to increase the use of audio and video (A/V) conferencing to reduce travel costs. Employees have been asked to use A/V, telephony, and instant messaging (IM) conferencing solutions whenever possible for communication with clients and users in the branch offices. Humongous Insurance is federated with Trey Research Corporation, which uses a third- party IM solution. Users at both companies need to communicate with each other by using their respective IM client.The company plans to continuously analyze the network to identify:- potential network delay points- availability of adequate bandwidth to meet current requirements and anticipated growth The company plans to continuously analyze the Skype for Business Server 2015 servers for performance metrics.Planned Changes Humongous is in discussion to acquire the Southbridge Video company. Southbridge Video has 2,000 users in two sites.Employees of Humongous Insurance use a variety of mobile devices, including Windows Phones and iOS phones. All iOS phone users must be notified of events, such as new or missed IM invitations and voice mail messages, even when they are using the corporate wireless network.All public switched telephone network (PSTN) traffic will use the G.711 codec.All voice will use the RTAudio Wideband codec.All peer-to peer (P2P) video sessions will support H.264 and RTVideo codecs.Audio bandwidth between the Los Angeles and New York offices is limited.ChallengesAll users report poor audio and video quality. Calls are dropped or suffer from jitter and lag. These issues exist when users are using the Skype for Business client or Skype for Business Phone Edition.Humongous Insurance users currently are unable to IM with external clients that use different IM programs.Currently there is no network oversight for Skype for Business communications. The company has no plans to increase the bandwidth at any sites. Humongous Insurance does not have a defined remote user access policy.Existing EnvironmentThe three offices are connected to one another as shown in the following network diagram:

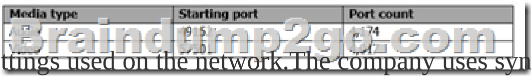


Additional information about the existing environment is shown in the Supporting Information section:- Overview of data centers- Detail of the Chicago data center- Overview of audio and video codec bandwidthsEmployees of Humongous Insurance use various operating systems, including Windows 7 Enterprise, and Windows 8. All users are enabled for Enterprise Voice, and many have Skype for Business Phone Edition.The concurrent communication modalities usage of the three offices is shown in the following table:



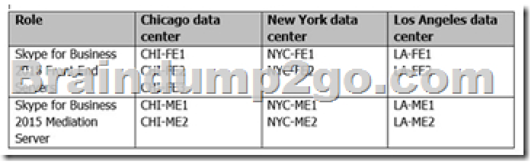
Role	Concurrent usage percentage Chicago office	Concurrent usage percentage New York office	Concurrent usage percentage Los Angeles office
PSTN	5%	[illegible]	[illegible]
Voice	10%	10%	15%
H.264/RTVideo	5%	5%	5%

Humongous Insurance expects to see the number of video users increase by as much as 10 percent. The company expects to see the number of voice users increase by as much as 15 percent.All users at Humongous Insurance will be Skype for Business enabled.The network team configures Quality of Service (QoS) as follows:



Media type	Starting port	Port count
Audio	[illegible]	[illegible]
Video	[illegible]	[illegible]

The Skype for Business Server 2015 media configuration matches the port settings used on the network.The company uses synthetic transactions to perform call and voice tests.Many of the employees of Humongous Insurance work from home and sign in securely to the corporate environment in order to use Skype for Business.Business RequirementsHumongous Insurance would like to review the existing network topology and wants to ensure that network capacity will meet current Skype for Business Server 2015 infrastructure capacity requirements for audio and video usage, as well as meet the anticipated increases.All existing issues relating to the poor quality of Skype for Business Server 2015 calls and conferencing need to be addressed. Company policy allows for all employees to have the option to use video conferencing. Employees will be limited to VGA video quality. Company executives will not have these limitations.Quality of Service (QoS) ports must be unique for audio and video traffic.The company wants to confirm that the current network bandwidth allocated for the network is sufficient for all current and anticipated growth in Skype for Business Server 2015 traffic and would like to guarantee high-quality Skype for Business Server 2015 calls and video conferencing.Humongous Insurance wants to ensure that the volume of Skype for Business Server 2015 traffic does not exceed 50 percent of WAN bandwidth. The recommended design solution needs to eliminate the possibility of WAN oversubscription by Skype for Business Server 2015 traffic.Humongous Insurance wants to use only dedicated computers to monitor the network and perform synthetic transactions to limit the load on the computers.The proposed Skype for Business Server 2015 solution needs to provide scalability to accommodate the company's future acquisition of Trey Research.The proposed Skype for Business Server 2015 solution should be readily available for users in all three sites.Technical RequirementsThe company wants to allow only authorized employees to connect remotely.All remote users will use a secure method when remotely connecting to the network and the Skype for Business environment.The number of open and listening ports must be kept to a minimum.All maintenance and tests of network policies must be done outside of normal business hours. Bandwidth between sites cannot be increased.The quality of voice and video traffic must be increased.The number of dropped calls must be reduced.The corporate information technology (IT) department must be able to push updates and scan users' computers when they are connected remotely.All push notifications must be able to be sent mobile clients on all supported cell phone manufactures. Many users do not use Windows mobile phones.IM users must be able to IM with users who are using other IM programs.The Skype for Business Server 2015 Bandwidth Calculator must be used to analyze Skype for Business traffic.It is recommended to deploy QoS for end-to-end support.Mobile client users are supported only with Lync 2013 Mobile clients.Supporting InformationOverview of data centers



Role	Chicago data center	New York data center	Los Angeles data center
Skype for Business 2015 Front End Servers	CHI-FE1 CHI-FE2 CHI-FE3	NYC-FE1 NYC-FE2	LA-FE1 LA-FE2
Skype for Business 2015 Mediation Server	CHI-ME1 CHI-ME2	NYC-ME1 NYC-ME2	LA-ME1 LA-ME2

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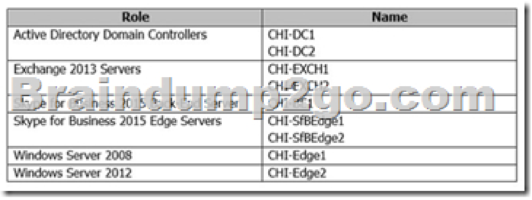
Detail of the Chicago data center



Role	Name
Active Directory Domain Controllers	CHI-DC1 CHI-DC2
Exchange 2013 Servers	CHI-EXCH1 CHI-EXCH2
Skype for Business 2015 Back End Server	[illegible]
Skype for Business 2015 Edge Servers	CHI-SfBEdge1 CHI-SfBEdge2
Windows Server 2008	CHI-Edge1
Windows Server 2012	CHI-Edge2

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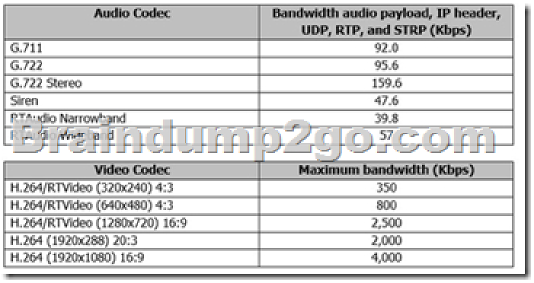
Overview of audio and video codec bandwidths



Audio Codec	Bandwidth audio payload, IP header, UDP, RTP, and STRP (Kbps)
G.711	92.0
G.722	95.6
G.722 Stereo	159.6
Siren	47.6
RTAudio Narrowband	39.8
RTAudio Wideband	57

Video Codec	Maximum bandwidth (Kbps)
H.264/RTVideo (320x240) 4:3	350
H.264/RTVideo (640x480) 4:3	800
H.264/RTVideo (1280x720) 16:9	2,500
H.264 (1920x288) 20:3	2,000
H.264 (1920x1080) 16:9	4,000

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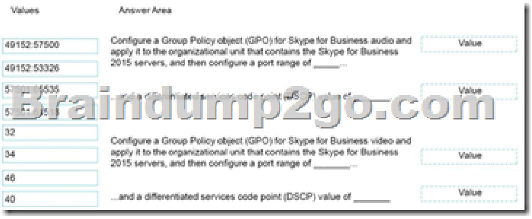
QUESTION 13You need to recommend a solution to test users' ability to schedule, join, and conduct an audio/video (A/V) conference.What should you do? A. Run the Test-CsAVConference Skype for Business Management Shell cmdlet and then analyze the trace call flow in Snooper.B. Run the Test-CsMcxConference Skype for Business Management Shell cmdlet and save the results. View the results by using the Skype for Business Server 2015 Logging Tool.C. Run the Test-CsUcwaConference Skype for Business Management Shell cmdlet. D Run the Test-CsAudioConferencingProvider Skype for Business Management Shell cmdlet and save the results. View the results by using the Central Logging Service. Answer: A QUESTION 14You need to recommend a solution that will improve voice quality for Skype for Business clients. What should you recommend? A. Change the Voice802lp value to 46.B. Ensure that VoiceDiffservtag values are set to 46 for all Skype for Business Phone Edition devices at all sites.C. Configure an Audio and Video Quality of Service (QoS) to use a DSCP value of 40 and a port range of 57501:65535.D. Configure a Domain Group Policy object (GPO) configuring Quality of Service (QoS) and set it to Enforced for all Windows 7 clients. Answer: B QUESTION 15You need to configure the Skype for Business Server 2015 environment to meet the technical requirements for push notifications to mobile users.Which two actions should you perform? Each correct answer presents part of the solution. A. Open port 23457 on the Enterprise Wi-Fi network. B. Open port 5223 on the Enterprise Wi-Fi network.C. Configure NAME redirection over HTTPS for the acquired domain.D. Configure a web publishing rule for port 80 on the reverse proxy for the acquired domain. Answer: BC QUESTION 16You need to allocate the current average amount of bandwidth that is required for peer-to- peer (P2P) voice calls for all three sites.How much bandwidth in kilobits per second (Kbps) should you allocate? A. 36,960 KbpsB. 51,150 KbpsC. 80,025 KbpsD. 135,795 Kbps Answer: B QUESTION 17Drag and Drop QuestionYou need to prepare the Quality of Service (QoS) policy for the Skype for Business environment.Which values should you use for each configuration? To answer, drag the appropriate value or values to the correct configuration or configurations in the answer area. Each value 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. Each correct set of answers is worth one point.



Values

49152:57500
49152:53326
57501:65535
57501:61518
32
34
46
40

Answer Area

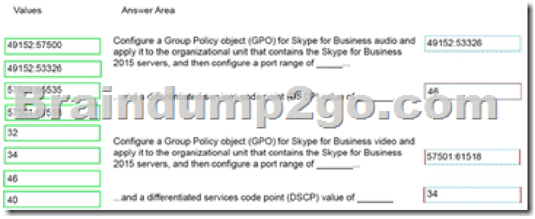
Configure a Group Policy object (GPO) for Skype for Business audio and apply it to the organizational unit that contains the Skype for Business 2015 servers, and then configure a port range of ______... Value

...and a differentiated services code point (DSCP) value of ______ Value

Configure a Group Policy object (GPO) for Skype for Business video and apply it to the organizational unit that contains the Skype for Business 2015 servers, and then configure a port range of _______... Value

...and a differentiated services code point (DSCP) value of _______ Value

Answer:



Values

49152:57500
49152:53326
57501:65535
57501:61518
32
34
46
40

Answer Area

Configure a Group Policy object (GPO) for Skype for Business audio and apply it to the organizational unit that contains the Skype for Business 2015 servers, and then configure a port range of ______... 49152:53326

...and a differentiated services code point (DSCP) value of ______ 46

Configure a Group Policy object (GPO) for Skype for Business video and apply it to the organizational unit that contains the Skype for Business 2015 servers, and then configure a port range of _______... 57501:61518

...and a differentiated services code point (DSCP) value of _______ 34

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