



Microsoft

Exam 70-333

Deploying Enterprise Voice with Skype for Business 2015 (beta)

Version: 7.0

[Total Questions: 55]

Topic break down

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Topic 1, Contoso, Ltd

General Overview

Contoso, Ltd., is a manufacturing company that has 4,000 employees. The company has a sales department, a marketing department, a research department, and a human resources department.

Physical Locations

The company has four offices. The offices are configured as shown in the following table.

Office location	Number of users	Extension prefix	Client subnet
New York	1,500	1	192.168.8.0/21
Miami	100	2	192.168.20.0/24
Los Angeles	400	3	192.168.30.0/23
Houston	200	4	192.168.40.0/24

The New York office contains the main data center. Communications for all of the offices is routed through the New York office.

All telephone calls from the Los Angeles office and the Miami office are routed through a public switched telephone network (PSTN) gateway in the New York office.

All offices connect to each other by using a wide area network (WAN) link. Each office connects directly to the Internet.

Existing Environment

Active Directory Environment

The company has an Active Directory Domain Services (AD DS) forest named contoso.com. The forest contains a single domain. All domain controllers run Windows Server 2008 R2.

Each office contains two domain controllers. Each office is configured as an AD DS site.

Each office contains DHCP servers that run on 32-bit servers.

Skype for Business Server Environment

The company has nine servers. The servers are configured as shown in the following table.

Server name	Office	Role	Software
Server1.contoso.com	New York	Front End Server	Skype for Business Server 2015
Server2.contoso.com	New York	Front End Server	Skype for Business Server 2015
Pool1.contoso.com	New York	Front End pool	n/a
Server3.contoso.com	New York	Mediation Server	Skype for Business Server 2015
Server4.contoso.com	New York	Edge Server	Skype for Business Server 2015
Gtwy1.contoso.com	New York	Media gateway	None
Gtwy2.contoso.com	Miami	Media gateway	None
Sba1.contoso.com	Houston	Survivable Branch appliance	Skype for Business Server 2015
Exch1.contoso.com	New York	Client Access Hub Transport Mailbox Unified Messaging	Microsoft Exchange Server 2010

The company uses a SIP domain of contoso.com. The voice infrastructure is configured as shown in the following table.

Office	Phone number range	User dialing habit
New York	+1 212 555 1000-3000	<ul style="list-style-type: none"> • Local PSTN: 10-digit phone number • Long distance within North America: 11-digit phone number • International: 011 + phone number
Miami	+1 425 555 1000-1100	<ul style="list-style-type: none"> • Local PSTN: 7-digit phone number • Long distance within North America: 11-digit phone number • International: 011 + phone number
Los Angeles	+1 310 555 4000-4500	<ul style="list-style-type: none"> • Local PSTN: 10-digit phone number • Long distance within North America: 11-digit phone number • International: 011 + phone number
Houston	+1 713 555 4000-4200	<ul style="list-style-type: none"> • Local PSTN: 10-digit phone number • Long distance within North America: 11-digit phone number • International: 011 + phone number

All users are enabled for Enterprise Voice.

The company also contains two Edge Servers that have Skype for Business Server 2015 deployed. The servers are configured as shown in the following table.

Component	IP addressing	FQDN
A/V Edge service	131.107.100.3/24	Av.contoso.com
Access Edge service	131.107.100.1/24	Sip.contoso.com

The Miami office has a dial plan. The dial plan is configured as shown in the following table.

Normalization rule	Match pattern	Translation pattern
Internal New York	^1(\d{4})\$	+1212555\$1
Internal Houston	^4(\d{4})\$	+1713555\$1
Local 7 Digits	^(555\d{4})\$	+1425\$1
Long Distance	^(1\d{10})\$	+\$1
International	^(011\d{2}\d+)\$	+\$1

The Skype for Business Server 2015 configuration has five routes. Location-based routing is not configured. The routes are configured as shown in the following table.

Route name	Pattern to match	Description
LocalHouston	+1713	Local calls in Houston through the gateway in the Houston office
LocalLA	+1310	Local calls in Los Angeles through the gateway in the Los Angeles office
LDNY	+1	Long distance calls through the gateway in the New York office
LDHouston	+1	Long distance calls through the gateway in the Houston office
LDLA	+1	Long distance calls through the gateway in the Los Angeles office

The PSTN usage for the users in the Los Angeles office is configured as shown in the following table.

PSTN usage name	Description
LocalDialing	Local calls within the area code
PrimaryLongDistanceDialing	All long distance calls within North America
BackupLongDistanceDialing	Backup for all long distance calls if PrimaryLongDistanceDialing fails

Problem Statements

The company identifies the following issues with the current infrastructure:

Los Angeles users report that the audio quality during calls to the New York office is poor and that the calls often disconnect.

Users in the Miami office report that when their WAN link fails, they cannot establish calls to the PSTN.

The Miami users report that they cannot call the Los Angeles users by using a five-digit internal phone number.

Requirements Planned Changes

The company plans to implement the following changes:

Provide voice resiliency in all of the offices if a WAN link fails.

Implement Call Pack

Implement an unassigned number range that has a voice announcement.

Add an additional auto attendant.

Implement a gateway in the Los Angeles office that uses the local PSTN.

Migrate several users to Skype for Business Online. The users will use instant messaging (IM) with Skype for Business users only. Client computers will use automatic configuration and open federation. The migrated users will use a SIP domain of cloud.contoso.com.

Provide a backup route for each office if a gateway fails.

Provide each office with access to the local PSTN.

Technical Requirements

The company identifies the following technical requirements:

Enable five-digit internal dialing that uses the site code and the last four digits of the phone number range.

Configure the New York gateway as the backup route for the local gateway in each office.

Business Requirements

Changes to the infrastructure must minimize the number of new servers deployed.

Question No : 1 - (Topic 1)

You collect the following call statistics for users in Los Angeles:

- ✍ Peak call concurrency is 25 percent.
- ✍ Fifty percent of all placed calls are routed to the public switched telephone network (PSTN)
- ✍ Thirty percent of all placed calls are internal calls to users in the other offices.
- ✍ Twenty percent of all placed calls are conference calls.
- ✍ The average bandwidth for peer-to-peer calls is 65 kilobits per second (Kbps).
- ✍ The average bandwidth used for conference calls is 100 Kbps.

You need to allocate the minimum amount of bandwidth required on the wide area network (WAN) link for the planned implementation of the voice gateway in the Los Angeles office. All calls to the PSTN will be routed through the local voice gateway in the Los Angeles office.

How much bandwidth in megabits per second (Mbps) should you allocate?

- A. 7.20 Mbps
- B. 3.95 Mbps
- C. 10.00 Mbps
- D. 2.25 Mbps

Answer: A

Question No : 2 DRAG DROP - (Topic 1)

You need to plan the subnets for Call Admission Control (CAC) and media bypass.

Which subnet or subnets should you use for each office?

To answer, drag the appropriate subnet or subnets to the correct office in the answer area. Each subnet may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Subnets	Answer Area
192.168.0.0/16	New York Subnet Subnet
192.168.8.0/21	Los Angeles Subnet
192.168.20.0/24	Miami Subnet
192.168.30.0/23	Houston Subnet
192.168.40.0/24	
131.107.100.0/24	
131.107.100.1/32	
131.107.100.3/32	

Answer:

Subnets	Answer Area
192.168.0.0/16	New York 192.168.8.0/21 131.107.100.3/32
192.168.8.0/21	Los Angeles 192.168.30.0/23
192.168.20.0/24	Miami 192.168.20.0/24
192.168.30.0/23	Houston 192.168.40.0/24
192.168.40.0/24	
131.107.100.0/24	
131.107.100.1/32	
131.107.100.3/32	

Question No : 3 DRAG DROP - (Topic 1)

You need to create the DHCP options required for Skype for Business Phone Edition devices.

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

Actions

Answer Area

From a DHCP server, run **dhcpcfigscript.bat**.

Copy **Dhcpconfigscript.bat** to a Skype for Business Server 2015 server.

From a Skype for Business Server 2015 server, run **dhcputil.exe**.

Copy **Dhcpconfigscript.bat** to a DHCP server.

From a DHCP server, run **dhcputil.exe**.

From a Skype for Business Server 2015 server, run **dhcpcfigscript.bat**.



Answer:

Actions	Answer Area
From a DHCP server, run <code>dhcpconfigscript.bat</code> .	Copy <code>Dhcpconfigscript.bat</code> to a DHCP server.
Copy <code>Dhcpconfigscript.bat</code> to a Skype for Business Server 2015 server.	From a DHCP server, run <code>dhcputil.exe</code> .
From a Skype for Business Server 2015 server, run <code>dhcputil.exe</code> .	From a DHCP server, run <code>dhcpconfigscript.bat</code> .
Copy <code>Dhcpconfigscript.bat</code> to a DHCP server.	
From a DHCP server, run <code>dhcputil.exe</code> .	
From a Skype for Business Server 2015 server, run <code>dhcpconfigscript.bat</code> .	

Question No : 4 HOTSPOT - (Topic 1)

You need to ensure that the Miami users can use a five-digit extension when they call the Los Angeles users.

What should you include in the normalization rule? To answer, configure the appropriate match pattern and translation pattern in the dialog box in the answer area.

Normalization rule	Match pattern	Translation pattern
Internal Los Angeles	<input type="text"/> <input type="text" value="^1(\d{5})\$"/> <input type="text" value="^2(\d{4})\$"/> <input type="text" value="^3(\d{4})\$"/> <input type="text" value="^3(\d{5})\$"/>	<input type="text"/> <input type="text" value="+1\$1"/> <input type="text" value="+1310\$1"/> <input type="text" value="+1310555\$1"/> <input type="text" value="+555\$1"/>

Answer:

Normalization rule	Match pattern	Translation pattern
Internal Los Angeles	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; margin-bottom: 5px;">▼</div> <div style="border-bottom: 1px dashed green; padding: 2px;">^1(\d{5})\$</div> <div style="border-bottom: 1px dashed green; padding: 2px;">^2(\d{4})\$</div> <div style="border-bottom: 1px dashed green; padding: 2px;">^3(\d{4})\$</div> <div style="padding: 2px;">^3(\d{5})\$</div> </div>	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; margin-bottom: 5px;">▼</div> <div style="padding: 2px;">+1\$1</div> <div style="padding: 2px;">+1310\$1</div> <div style="border-bottom: 1px dashed green; padding: 2px;">+1310555\$1</div> <div style="padding: 2px;">+555\$1</div> </div>

Question No : 5 DRAG DROP - (Topic 1)

You need to configure the unassigned numbers range to support the planned changes.

Which four actions should you perform?

To answer, move the four appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions		Answer Area
Run the Import-CsAnnouncementFile Skype for Business Management Shell cmdlet.		
Run the New-CsAnnouncement Skype for Business Management Shell cmdlet.		
Create an .mp3 file that contains the announcement.	<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">></div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;"><</div>	<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">^</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">v</div>
Create an unassigned number range.		
Run the Set-CsApplicationServer Skype for Business Management Shell cmdlet.		
Create a .wav file that contains the announcement.		

Answer:

Actions	Answer Area
Run the Import-CsAnnouncementFile Skype for Business Management Shell cmdlet.	Create a .wav file that contains the announcement.
Run the New-CsAnnouncement Skype for Business Management Shell cmdlet.	Run the Import-CsAnnouncementFile Skype for Business Management Shell cmdlet.
Create an .mp3 file that contains the announcement.	Run the New-CsAnnouncement Skype for Business Management Shell cmdlet.
Create an unassigned number range.	Create an unassigned number range.
Run the Set-CsApplicationServer Skype for Business Management Shell cmdlet.	
Create a .wav file that contains the announcement.	

Question No : 6 HOTSPOT - (Topic 1)

You need to design the Call Park solution.

Which Call Park design should you choose? To answer, select the appropriate range and application server in the dialog box in the answer area.

Range:

	▼
0-99	
100-199	
200-9999	
999-10000	

Application server:

	▼
Server1.contoso.com	
Server2.contoso.com	
Server3.contoso.com	
Pool1.contoso.com	

Answer:

Range:

	▼
0-99	
100-199	
200-9999	
999-10000	

Application server:

	▼
Server1.contoso.com	
Server2.contoso.com	
Server3.contoso.com	
Pool1.contoso.com	

Topic 2, Litware, inc

General Overview:

Litware, Inc. is a marketing company that has 20,000 users.

Physical Locations:

Litware has a main office and a branch office. The main office is located in New York. The branch office is located in Montreal.

The offices connect to each other by using a WAN link. Each office connects directly to the Internet.

Each office has a firewall between the internal network and the perimeter network. Each office has a firewall between the perimeter network and the Internet.

Existing Environment

Active Directory Infrastructure

The network contains an Active Directory Domain Services (AD DS) forest named litware.com. The forest contains a single domain. All domain controllers run Windows Server 2012.

Each office contains two domain controllers. Each office is configured as an Active Directory site.

Skype for Business Server Infrastructure

The network contains a Skype for Business Server 2015 infrastructure. The infrastructure contains 12 servers. The servers are configured as shown in the following table.

Server name	Server site	Network	Role	Pool name	IP address
Server1	New York	Internal	Enterprise Edition Front End Server	NYPOOL1	10.0.0.1
Server2	New York	Internal	Enterprise Edition Front End Server	NYPOOL1	10.0.0.2
Server3	New York	Internal	Enterprise Edition Front End Server	NYPOOL1	10.0.0.3
Server4	New York	Internal	Enterprise Edition Front End Server	NYPOOL2	10.0.0.4
Server5	New York	Internal	Enterprise Edition Front End Server	NYPOOL2	10.0.0.5
Server6	New York	Internal	Enterprise Edition Front End Server	NYPOOL2	10.0.0.6
PServer1	New York	Perimeter	Edge Server	NYPOOL3	131.107.0.1
PServer2	New York	Perimeter	Reverse proxy	<i>Not applicable</i>	131.107.0.2
Server11	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL1	10.1.0.1
Server12	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL1	10.1.0.2
Server13	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL1	10.1.0.3
Server14	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL2	10.1.0.4
Server15	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL2	10.1.0.5
Server16	Montreal	Internal	Enterprise Edition Front End Server	MOPOOL2	10.1.0.6
PServer11	Montreal	Perimeter	Edge Server	MOPOOL3	131.107.1.1
PServer12	Montreal	Perimeter	Reverse Proxy	<i>Not applicable</i>	131.107.1.2

Litware uses the following Skype for Business features:

Instant messaging (IM)
A/V conferencing

The Skype for Business Server 2015 infrastructure is configured to use federation with users at a partner company, which is named Contoso, Ltd. Contoso has a SIP domain named contoso.com. The users at Contoso use Microsoft Skype for Business Online.

Litware has a Microsoft Exchange Server 2013 organization. You integrate Exchange 2013 with Skype for Business Server 2015.

Planned Changes

Litware plans to implement the following changes:

Enable Enterprise Voice for all users.

Add IP phones to the existing VLANs.

Add a SIP trunk to each site.

Problem Statements

Litware identifies the following issues:

The current firewall configurations allow all ports and all protocols to the Skype for Business Server 2015 infrastructure.

A change to the Skype for Business hosted provider proxy FQDN recently caused the federation with contoso.com to become unavailable.

Requirements

Business Goals

Litware plans to minimize hardware and software purchasing costs.

Technical Requirements

Litware identifies the following technical requirements:

The Enterprise Voice solution must ensure that calls to Canada are routed through the SIP trunk in the Montreal office. Litware identifies 39 area codes and a country code of 1 for Canada. You must minimize the number of voice routes that you must create.

The Enterprise Voice solution must ensure that calls to any country besides Canada are routed through the SIP trunk in the New York office. Litware identifies 269 area codes and a country code of 1 for the United States.

If the SIP trunk in the New York office fails, users in the Montreal office must be able to place international calls.

The provider of the New York SIP trunk requires that the 011 prefix be used to make all international calls. Rules exist to ensure that dialed numbers conform to E.164 standards.

Application sharing for up to 200 simultaneous remote users and 100 simultaneous internal users in a single conference must be supported. Each application sharing session uses 500 Kbps. Only users on the internal network are presenters of the conferences. You must minimize the amount of bandwidth needed to application sharing.

Users in the New York and Montreal offices must be able to dial a local number to access their voice mail remotely. Subscriber access must be available in French for the Montreal

office users and in English and Spanish for the New York office users.

Skype for Business Phone Edition devices must be supported.

Users must be able to access their voice mail only from the Skype for Business client by clicking **Call Voice Mail**.

You must minimize the number of access numbers and UM dial plans that you create.

Security Requirements

Allow only the required communications through the firewalls for the supported Lync services.

Response Group Requirements

Litware plans to create a response group for support calls to meet the following requirements:

Incoming calls must be routed to any support staff who are online and available.

If the support call is not answered by a support staff member, the call must be forwarded to the group of managers on call that day.

Calls forwarded to the managers must be sent to the manager who has not answered a support call in the longest amount of time.

Question No : 7 - (Topic 2)

You are implementing the Enterprise Voice solution. You create the objects described as shown in the following table.

Object name	Object description
PSTN1	The PSTN usage record for international calls from the Montreal office
PSTN2	The PSTN usage record for international calls from the New York office
VR1	The voice route that uses the trunk in the Montreal office and is associated to PSTN1
VR2	The voice route that uses the trunk in the New York office and is associated to PSTN2
VP1	The voice policy for the Montreal office users
VP2	The voice policy for the New York office users

You need to recommend which action must be performed to meet the technical requirements for Enterprise Voice routing.

What should you add?

- A. PSTN1 to VP1
- B. PSTN1 to VP2
- C. PSTN2 to VP1
- D. PSTN2 to VP2

Answer: C

Question No : 8 - (Topic 2)

You need to create a rule to meet the technical requirements for international dialing from the SIP trunk in the New York office.

Which type of rule should you create?

- A. called number translation
- B. normalization
- C. dialing
- D. calling number translation

Answer: A

Question No : 9 - (Topic 2)

O: 3

Remote users report that they fail to access their voice mail by using the Call Voice Mail option in the Skype for Business client. Remote users can access voice mail by using the subscriber access number. Internal users do not report any issues accessing voice mail.

You need to enable voice mail access without manually dialing the subscriber number.

Which two sets of ports should you open? Each correct answer presents part of the solution.

- A. TCP 443 and UDP 3478 on the external firewall
- B. TCP 5062 and 8057 on the internal firewall. TCP 5062 and 8057 on the external firewall
- C. TCP 443 and UDP 3478 on the internal firewall
- D. UDP 50,000 to 59,999 on the internal firewall

E. UDP 50,000 to 59,999 on the external firewall

Answer: A,D

Question No : 10 - (Topic 2)

O: 2

You need to create the voice routes.

How many voice routes should you create?

- A. 1
- B. 2
- C. 4
- D. 40
- E. 270

Answer: C

Question No : 11 HOTSPOT - (Topic 2)

You need to create the Unified Messaging (UM) dial plans and access numbers for subscriber access.

How many UM dial plans and access numbers should you create? To answer, select the appropriate number of UM dial plans and access numbers in the answer area.

Answer Area

Number of UM dial plans:

4
2
1
0
▲▼

Number of access numbers:

0
1
2
4
▲▼

Answer:

Answer Area

Number of UM dial plans:

4
2
1
0
▲▼

Number of access numbers:

0
1
2
4
▲▼

Question No : 12 HOTSPOT - (Topic 2)

You need to allocate bandwidth required for application sharing.

How much bandwidth in kilobits per second (Kbps) should you allocate? To answer, select the appropriate amount of bandwidth for each network connection in the answer area.

From the client computer of the conference presenter to a Front End pool:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td>500 Kbps</td><td></td></tr><tr><td>50,000 Kbps</td><td></td></tr><tr><td>100,000 Kbps</td><td></td></tr></table>		▼	500 Kbps		50,000 Kbps		100,000 Kbps	
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From a Front End pool to an Edge Server:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td>500 Kbps</td><td></td></tr><tr><td>50,000 Kbps</td><td></td></tr><tr><td>100,000 Kbps</td><td></td></tr></table>		▼	500 Kbps		50,000 Kbps		100,000 Kbps	
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From an Edge Server to the Internet:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td>500 Kbps</td><td></td></tr><tr><td>50,000 Kbps</td><td></td></tr><tr><td>100,000 Kbps</td><td></td></tr></table>		▼	500 Kbps		50,000 Kbps		100,000 Kbps	
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Answer:

From the client computer of the conference presenter to a Front End pool:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td>500 Kbps</td><td></td></tr><tr><td>50,000 Kbps</td><td></td></tr><tr><td>100,000 Kbps</td><td></td></tr></table>		▼	500 Kbps		50,000 Kbps		100,000 Kbps	
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Topic 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.

Challenges

All 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.

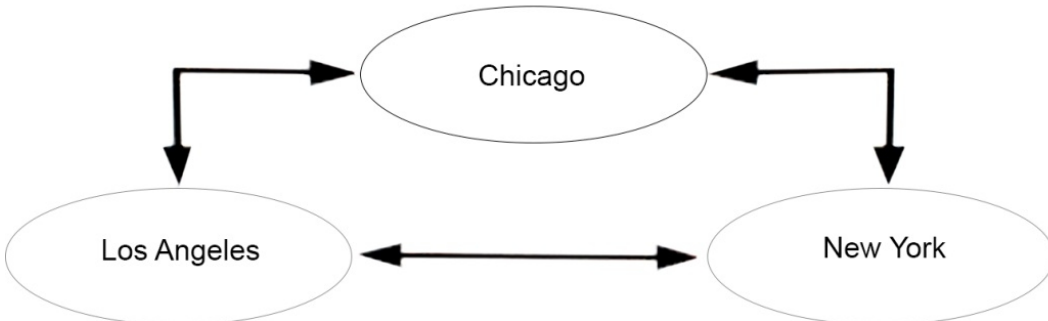
Currently there is no network oversight for Skype for Business communications.

The company has no plans to increase the bandwidth at any sites.

Humongous Insurance does not have a defined remote user access policy.

Existing Environment

The 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 bandwidths

Employees 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%	5%	5%
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	49152	4,174
Video	57501	4,017

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 Requirements

Humongous 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.

Microsoft Exams List

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