

## Topic 1 - Single Topic

### Question #1

Topic 1

Which complication does a NAT introduce in SDP for a SIP call?

- A. Additional headers due to NAT encapsulation can cause the packet size to exceed the MTU.
- B. When the client is behind a NAT they may be unable to determine the appropriate offset due to time zones.
- C. The IP address specified in the connection data field may be an unrouteable internal address.
- D. The encryption keys advertised in the SDP are only valid for clients not behind a NAT.

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### Question #2

Topic 1

A company already has a Cisco Unified Communications Manager for internal audio and video traffic, but it requires video communication with external partners and customers. It is important to ensure security for the deployment and the connectivity.

What must be set up to enable this requirement?

- A. Cisco Unified Border Element and Cisco ASA Firewall
- B. Cisco Unified Border Element and Cisco Firepower Firewall
- C. Cisco Expressway-C and Cisco Expressway-E
- D. Cisco Expressway-C and Cisco Unified Border Element

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### Question #3

Topic 1

When an Expressway-E is configured for static NAT, which Session Description Protocol attribute is modified to reflect the NAT address?

- A. SDP b-line
- B. SIP record route
- C. SDP c-line
- D. SDP m-line

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### Question #4

Topic 1

A company is installing Cisco Collaboration infrastructure and one of the requirements is that they must be able to communicate with many external parties that are using H.323 and SIP. Internally they want to register the endpoints only on SIP.

Which functionality would describe the feature that needs to be enabled and where to achieve this?

- A. Interworking in Expressway-C
- B. Transcoding in Cisco Unified Communications Manager
- C. Transcoding in Expressway-C
- D. Interworking in Cisco Unified Communications Manager

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#### Question #5

Topic 1

What is a key configuration requirement for Hybrid Message Service High Availability deployment with multiple IM and Presence clusters?

- A. You must have the Intercluster Sync Agent working across your IM and Presence clusters.
- B. You must have the Intercluster Lookup Service working across all of your IM and Presence clusters.
- C. Your IM and Presence Service clusters must have Multiple Device Messaging disabled.
- D. AXL service should be activated only on the publisher of each IM and Presence cluster.

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#### Question #6

Topic 1

Cisco Collaboration endpoints are exchanging encrypted signaling messages.  
What is one major complication in implementing NAT ALG for voice and video devices?

- A. Internal endpoints cannot use addresses from the private address space.
- B. The NAT ALG cannot inspect the contents of encrypted signaling messages.
- C. NAT ALG introduces jitter in the voice path.
- D. Source addresses cannot provide the destination addresses that remote endpoints should use for return packets.

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**Question #7***Topic 1*

What are two reasons why port 8443 is unreachable from the Internet to the Expressway-E? (Choose two.)

- A. The MRA license is missing on the Expressway-E.
- B. The Unified Communications zone is down.
- C. Transform is not configured on Expressway-E.
- D. The SRV record for \_cisco-uds is misconfigured.
- E. The firewall is blocking the port.

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**Question #8***Topic 1*

Which media encryption mode can be configured on an Expressway zone?

- A. Advanced Encryption Standard
- B. IPsec
- C. Triple Data Encryption Standard
- D. force unencrypted

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**Question #9***Topic 1*

What is the purpose of a transform in the Expressway server?

- A. A transform has the function as a neighbor zone in the Expressway. It creates a connection with another server.
- B. A transform changes the audio codec when the call goes through the Expressway.
- C. A transform is used to route calls to a destination.
- D. A transform changes an alias that matches certain criteria into another alias.

[Reveal Solution](#)[Discussion](#) **3****Question #10***Topic 1*

An organization with a domain name of example.com.

Which two SRV records are valid for a SIP and H.323 communication? (Choose two.)

- A. \_sips.\_tcp.example.com
- B. \_sips.\_udp.example.com
- C. \_h323ls.\_udp.example.com
- D. \_h323ls.\_tcp.example.com
- E. \_collab-edge.\_tls.example.com

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## Question #11

Topic 1

What is the Cisco-recommended key length in bits for a Cisco Expressway certificate?

- A. 1024
- B. 2048
- C. 4096
- D. 8192

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## Question #12

Topic 1

`(\d{3}) (\d{3}) (\d{3}) (\d{3})`

Refer to the exhibit. Which two numbers match the regular expression? (Choose two.)

- A. d20d16d20d22
- B. 2091652010224
- C. 209165200225
- D. d209d165d200d224
- E. 209165200224

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Question #13

Topic 1

A company has enabled ICE to optimize call flows and improve video quality between their Cisco Collaboration endpoints internally and externally. For which reason would you see activity on the TURN server when a call is established between two external endpoints?

- A. The video call is using encryption, which is not supported by ICE with CUCM 12.5
- B. ICE cannot reduce the packet loss on the link
- C. A STUN cannot punch holes in the firewall
- D. The video call is using 4K resolution, which is not supported by ICE with CUCM 12.5

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Question #14

Topic 1

Which role does Call Policy play when preventing toll fraud on Expressways?

- A. It controls which calls are allowed, which calls are rejected, and which calls are redirected to a different destination.
- B. It changes the calling and called number on a call.
- C. It changes the audio protocol used by a call through Expressways.
- D. It changes the audio codec used in a call through Expressways.

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## Question #15

Topic 1

What happens to the encrypted signaling traffic of a collaboration device if you place it inside a firewall with private IP addresses and try to make a call over IP without any collaboration infrastructure?

- A. The signaling makes it back to the endpoint because the firewall is an application layer gateway and provides address translation.
- B. Encrypted IP traffic for collaboration devices always is trusted by the firewall.
- C. The signaling does not make it back to the endpoint because the firewall cannot inspect encrypted traffic.
- D. The signaling makes it back to the endpoint because the endpoint sent the private address to the external endpoint.

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## Question #16

Topic 1

Which statement about scheduling Expressway backups is true?

- A. It is not supported on the application.
- B. It is allowed from the application CLI of the Expressway only.
- C. It is allowed from the application CLI and GUI of the Expressway.
- D. It is allowed from the application GUI of the Expressway only.

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## Question #17

Topic 1



Between which two DTMF relay methods does the Expressway support interworking? (Choose two.)

- A. unsolicited notify
- B. RFC 2833
- C. KPML
- D. passthrough
- E. H.245 user input indication

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What allows endpoints behind a NAT to discover the paths through which they will pass media?

- A. RTP
- B. TLS
- C. SNMP
- D. ICE

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Which two types of information does Cisco Expressway back up? (Choose two.)

- A. call records
- B. log files
- C. IP addresses
- D. current call states
- E. security certificates

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Question #20

Topic 1

Which connection does the traversal zone configuration define?

- A. Expressway-E and Collaboration Endpoints
- B. Cisco UCS E-Series and Cisco UCM
- C. Cisco UC and Cisco Unified Presence Server
- D. Cisco Expressway-C and Cisco Expressway-E platforms

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## Question #21

Topic 1

Which protocol should be used to verify the connectivity for different media paths found during a call using ICE?

- A. STUN
- B. RTP
- C. SNMP
- D. TURN

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Discussion 2

## Question #22

Topic 1

Which SIP media encryption mode is applied by default for newly created zones in the Cisco Expressway?

- A. Off
- B. Best Effort
- C. Auto
- D. Force Encrypted

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## Question #23

Topic 1

Cisco media traversal technology has enabled a secure environment where internal video endpoints call and receive calls from external video endpoints. How does the Expressway-C and Expressway-E communicate?

- A. Expressway-C establishes an outgoing request to Expressway-E, enabling the Expressway-E in the DMZ to notify the internal Expressway-C of an incoming call from an external endpoint.

B. Internal endpoints are registered to Expressway-E in the DMZ. Expressway-C, which is also in the DMZ, will receive and make calls on behalf of Expressway-E because they are in the same network.

C. Expressway-E establishes an outgoing request to Expressway-C, enabling the Expressway-C in the DMZ to notify the internal Expressway-E of an incoming call from an external endpoint.

D. Internal endpoints are registered to Expressway-C in the DMZ. Expressway-E, which is also in the DMZ, will receive and make calls on behalf of Expressway-C because they are in the same network.

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#### Question #24

Topic 1

Which dial plan component is configured in Expressway-C to route a call to the Cisco UCM?

- A. call routing
- B. traversal subzone
- C. call policy
- D. search rule

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#### Question #25

Topic 1

Which attribute in the SDP for a call is affected by the static NAT address configuration in an Expressway-E?

- A. connection
- B. name
- C. version
- D. bandwidth

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Discussion 7

Which describes what could be done on the Expressway-E to successfully route calls from Expressway-C on the internal network to the Internet?

- A. Application layer gateway could be enabled to bridge the media traffic.
- B. A static NAT route could be added to the firewall to bridge the two networks.
- C. The Expressway-E could be enabled for Dual-NIC capability.
- D. The Expressway-E could be enabled for interworking.

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### Edit transform

**Configuration**

Priority	<input type="text" value="1"/>	<i>i</i>
Description	<input type="text" value="CCNPCollab"/>	<i>i</i>
Pattern type	<input type="text" value="Regex"/>	<i>i</i>
Pattern string	<input type="text" value="([0-7])(\d{3,5})"/>	<i>i</i>
Pattern behavior	<input type="text" value="Replace"/>	<i>i</i>
Replace string	<input type="text" value="\1\2@ccnpcollab.com"/>	<i>i</i>
State	<input type="text" value="Enabled"/>	<i>i</i>

Refer to the exhibit. What is the result of a transformation applied to alias 88514?

- A. 98851@ccnpcollab.com
- B. 88513@ccnpcollab.com
- C. 88514@ccnpcollab.com
- D. 88515@ccnpcollab.com

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#### Question #28

Topic 1

When configuring a Cisco Expressway solution and need to design the dial plan with various rules for URIs and numbers coming through the device. To do so, it is important that some dial plan rules are applied in a certain order. When configuring the transform section, you must know the range of the priorities. Which range is correct?

- A. any number in the drop-down menu
- B. any number in the dialog box
- C. any number between 1-128
- D. any number between 1-65534

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#### Question #29

Topic 1

Which zone is required on a B2B deployment between Expressway-C and Expressway-E?

- A. traversal zone
- B. DNS zone
- C. default zone
- D. neighbor zone

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#### Question #30

Topic 1

Which mode should be used when Call Policy is configured on Expressways?

- A. extended CPL
- B. local CPL, policy service, and off
- C. on
- D. remote CPL

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#### Question #31

Topic 1

When designing the call control on a Cisco Expressway Core, which is the sequence of dial plan functions?

- A. transforms, CPL, user policy, search rules
- B. search rules, zones, local zones
- C. DNS zone, local zone, search rules
- D. search rules, transforms

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#### Question #32

Topic 1

Which two items are configured when deploying a B2B collaboration solution? (Choose two.)

- A. SIP trunk between Cisco Unified Communications Manager and Cisco Expressway-C
- B. search rules in Cisco Expressway-E
- C. SIP trunk between Cisco Unified Communications Manager and Cisco Expressway-E
- D. traversal client on a Cisco Expressway-E
- E. DNS zone on a Cisco Expressway-C

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Which step is taken when configuring a Cisco Expressway solution?

- A. Configure the Expressway-E by using a non-traversal server zone.
- B. Enable static NAT on the Expressway-E only.
- C. Disable H.323 mode on the Expressway-E.
- D. Enable H.323 H.460.19 demultiplexing mode on the Expressway-C.

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### Configuration

Rule name	* CCNP-Collab	<i>i</i>
Description	CCNP-Collab	<i>i</i>
Priority	* 1	<i>i</i>
Protocol	SIP	<i>i</i>
Source	Local Zone	<i>i</i>
Request must be authenticated	No	<i>i</i>
Mode	Alias pattern match	<i>i</i>
Pattern type	Regex	<i>i</i>
Pattern string	* 1?3+5	<i>i</i>
Pattern behavior	Replace	<i>i</i>
Replace string	135	<i>i</i>
On successful match	Stop	<i>i</i>
Target	* Traversal Zone	<i>i</i>
State	Enabled	<i>i</i>



Refer to the exhibit. When configuring a search rule that routes calls to a zone, what occurs when 13358 is dialed?

- A. 13358 is replaced by 135, and then is sent to the local zone.
- B. 13358 is replaced by 135 and remains in the same zone.
- C. 13358 is replaced by 135, and then is sent to the traversal zone.
- D. 13358 is sent directly to the traversal zone.

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Question #35

Topic 1

**Create transform** You are here: [Configuration](#) > [Dial plan](#) > [Transform](#) > [Create transform](#)

**Configuration**

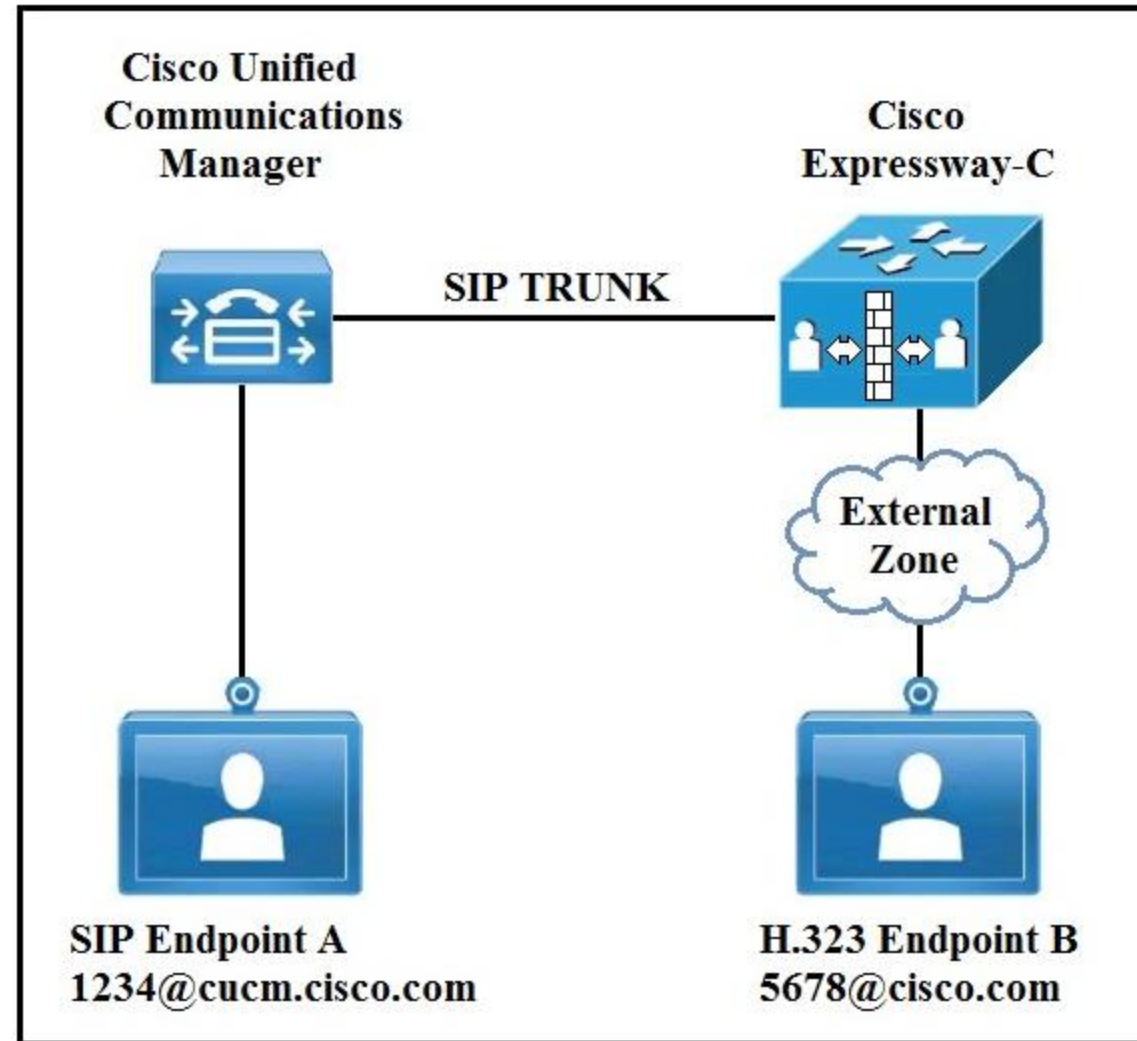
Priority	<input type="text" value="5"/>	<a href="#">i</a>
Description	<input type="text" value="Convert Untitled CM supplied domain information to the Expressway SIP domain"/>	<a href="#">i</a>
Pattern type	<input type="text" value="Regex"/>	<a href="#">i</a>
Pattern string	<input type="text" value="(4\d{3})@exp-name.exp.domain *"/>	<a href="#">i</a>
Pattern behavior	<input type="text" value="Replace"/>	<a href="#">i</a>
Replace string	<input type="text" value="\1@exp.domain"/>	<a href="#">i</a>
State	<input type="text" value="Enabled"/>	<a href="#">i</a>

Refer to the exhibit. Which description of the transformation is true?

- A. It converts 4123@exp-name.exp.domain:<port> to 4123@exp.domain
- B. It changes all patterns that begin with 4123@exp-name.exp.domain:<port> to 1@exp.domain
- C. It changes 413@exp-name.exp.domain:<port> to 413@exp.domain
- D. It converts 4.3@exp-name.exp.domain:<port> to 1@exp.domain

Reveal Solution

Discussion 1



Refer to the exhibit. In an environment SIP devices are registered to CUCM and H.323 devices to VCS. What would be required to enable these calls to setup correctly?

- A. Create a presearch transform.
- B. Change the domain of SIP endpoint A to cisco.com.
- C. Disable SIP in the external zone.
- D. Change the interworking mode to On.

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Which step is required when configuring cloud and hybrid deployments for Cisco Jabber?

- A. Add the Jabber user to Cisco Unity Connection.
- B. Add the Jabber user to Expressway-E.
- C. Add the Jabber user to Expressway-C.
- D. Add Jabber Users to the Cisco Webex Administration Tool.

Reveal Solution

Discussion 1

Question #38

Topic 1

Which two licenses are required for the B2B feature to work? (Choose two.)

- A. Traversal Server
- B. TURN Relays
- C. Rich Media Sessions
- D. Advanced Networking
- E. Device Provisioning

Reveal Solution

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Question #39

Topic 1

An Expressway-E is configured using a single NIC with NAT.  
How must the Expressway-C traversal client zone be configured to connect to the Expressway-E?

- A. TLS verify must be enabled.
- B. The zone profile must be set to default.
- C. The peer address must be the Expressway-E NAT address.
- D. The peer address must be the Expressway-E LAN 1 IP address.

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Question #40

Topic 1

	Expressway-E
<b>Rule name</b>	Enter Block ISDN call for example
<b>Description</b>	Enter Block everything (including nonregistered endpoints)
<b>Priority</b>	Enter 41
<b>Protocol</b>	<i>Any</i>
<b>Source</b>	
<b>Request must be authenticated</b>	<i>No</i>
<b>Mode</b>	<i>Alias pattern match</i>
<b>Pattern type</b>	<i>Regex</i>
<b>Pattern string</b>	Enter (9\d+) (.*) (@example.com)
<b>Pattern behavior</b>	<i>Replace</i>
<b>Replace string</b>	Enter do-not-route-this-call for example
<b>On successful match</b>	<i>Stop</i>
<b>Target</b>	<i>TraversalZone</i>
<b>State</b>	<i>Enabled</i>

Refer to the exhibit. An ISDN gateway is registered to Expressway-C with a prefix of 9 and/or it has a neighbor zone specified that routes calls starting with a 9. Which value should be entered into the "Source" field to prevent toll fraud regardless at origin of the call?

- A. Traversal Zone
- B. Any
- C. Neighbor Zone
- D. All

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Expressway-C Traversal Zone:

SIP: Failed to connect to 192.168.1.6:7001

Expressway-C Event Log shows the following:

```
2019-10-23T11:01:51.925-04:00 : Event="Outbound TLS Negotiation Error" Service="SIP" Src-ip="192.168.1.5" Src-port="27204"
Dst-ip="192.168.1.6" Dst-port="7003" Detail="tlsv1 alert unknown ca"
Protocol="TLS" Common-name="amer-expressway01.example.com" Level="1" UTCTime="2019-10-23 15:01:51,923"
```

Expressway-C server certificate shows the following decoded output:

Certificate:

Data:

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha256WithRSAEncryption

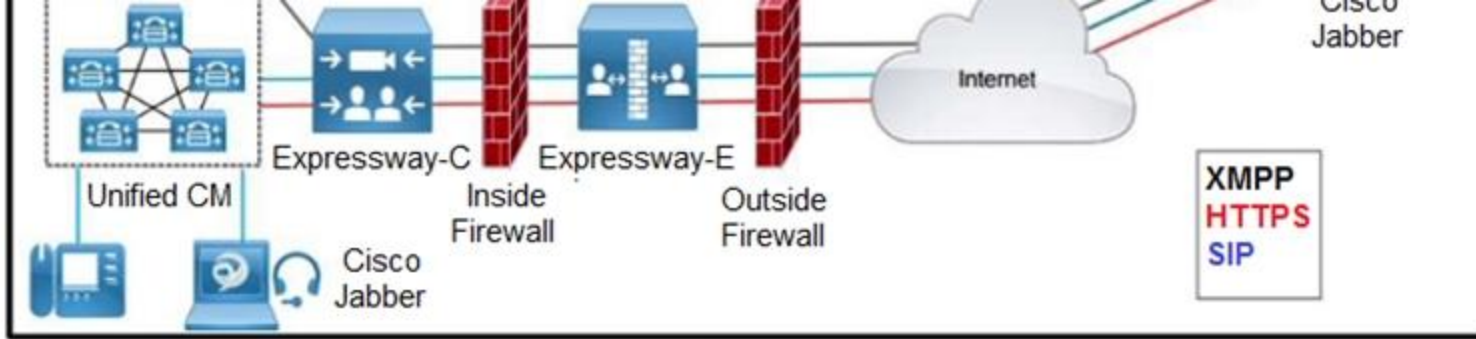
Issuer: O=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4, OU=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4,  
CN=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4

Refer to the exhibit. An Expressway-C and Expressway-E are configured for B2B calling and the Expressway-E zone is set to TLS Verify Currently, calls do not reach the Expressway-C. The Traversal Client zone on the Expressway-C for B2B reports the information in the exhibit for the Peer 1 address.

Which action resolves this error?

- A. Configure the Expressway-C Traversal Client zone Peer 1 address with the fully qualified domain name of the Expressway-E.
- B. Configure the Expressway-C Traversal Client zone transport protocol with TCP.
- C. Add a server certificate to the Expressway-C that is signed by a certificate authority.
- D. Add an intermediate certificate to the Expressway-C that is signed by a certificate authority.

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Refer to the exhibit. Which inbound connection should an administrator configure on the outside firewall?

- A. Media: UDP 36000 to 36011
- B. XMPP: TCP 5222
- C. SIP: TCP 5061
- D. HTTPS (tunneled over SSH between C and E): TCP 2222

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#### Question #43

Topic 1

How does an administrator configure an Expressway to make sure an external caller cannot reach a specific internal address?

- A. block the call with a call policy rule in the Expressway-E
- B. add the specific URI in the firewall section of the Expressway and block it
- C. configure FAC for the destination alias on the Expressway
- D. add a search rule route all calls to the Cisco UCM

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#### Question #44

Topic 1

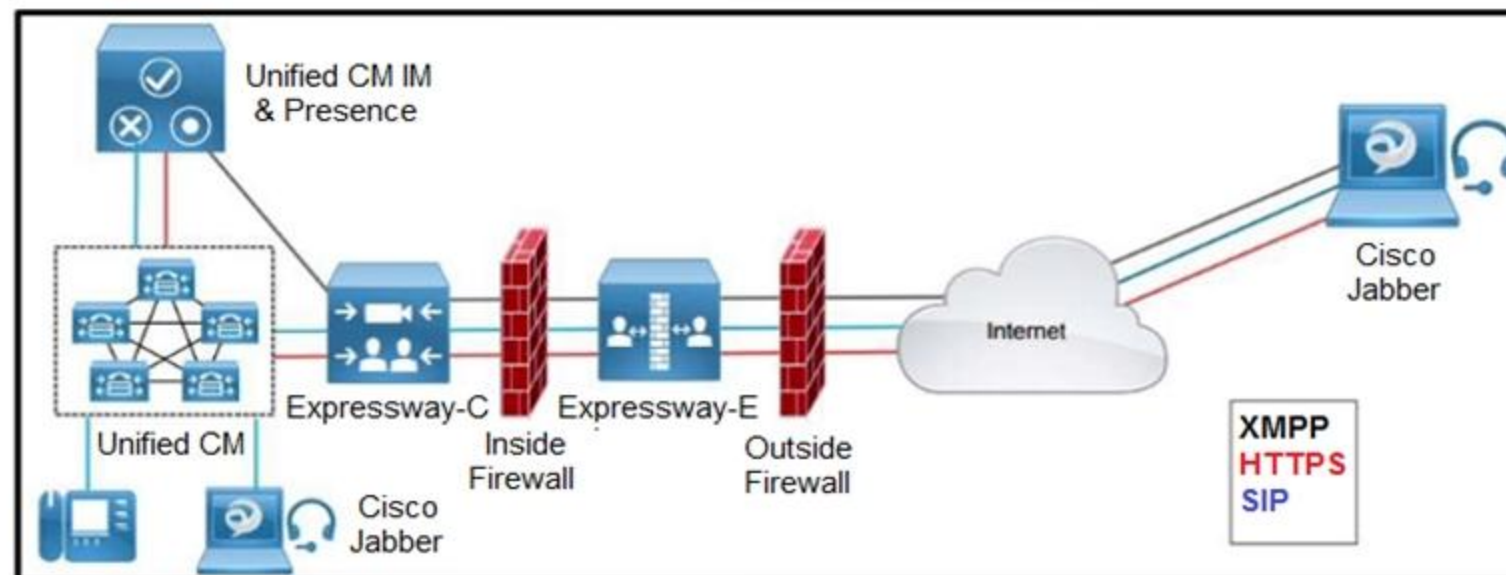
An engineer wants to configure a zone on the Expressway-E to receive communications from the Expressway-C in order to allow inbound and outbound calls. How is the peer address configured on the Expressway-C when Expressway-E has only one NIC enabled and is using static NAT mode?

- A. Expressway-E DHCP
- B. Cisco UCM FQDN
- C. Cisco UCM DHCP
- D. Expressway-E FQDN

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Question #45

Topic 1



Refer to the exhibit. Which two outbound connections should an administrator configure on the internal firewall? (Choose two.)

- A. XMPP: TCP 7400
- B. SIP: TCP 7001
- C. SIP TCP 5061
- D. Media: UDP 36012 to 59999
- E. HTTPS: TCP 8443

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Question #46

Topic 1



IPv4 address	192.168.114.18
IPv4 subnet mask	255.255.255.0
IPv4 subnet range	192.168.114.0 - 192.168.114.255
IPv4 static NAT mode	Off
Maximum transmission unit (MTU)	1500

<b>LAN 2 - External</b>	
IPv4 address	192.168.108.2
IPv4 subnet mask	255.255.255.0
IPv4 subnet range	192.168.108.0 - 192.168.108.255
IPv4 static NAT mode	Off
Maximum transmission unit (MTU)	1500

Save

Refer to the exhibit. The firewall has been configured from NAT 192.168.108.2 to 100.64.0.1. Which configuration changes are needed for an Expressway-E with dual network interfaces?

A.

External LAN interface: LAN 2  
 LAN 1 IPv4 static NAT mode: On  
 LAN 1 IPv4 static NAT address: 100.64.0.1  
 LAN 2 IPv4 static NAT mode: On  
 LAN 2 IPv4 static NAT address: 100.64.0.1

B.

External LAN interface: LAN 2  
 LAN 2 IPv4 static NAT mode: On  
 LAN 2 IPv4 static NAT address: 100.64.0.1

C.

External LAN interface: LAN 1  
 LAN 1 IPv4 static NAT mode: On  
 LAN 1 IPv4 static NAT address: 100.64.0.1

D.

External LAN interface: LAN 2  
 LAN 1 IPv4 static NAT mode: On  
 LAN 1 IPv4 static NAT address: 100.64.0.1

Reveal Solution

Discussion 1

Question #47

Topic 1

An engineer is deploying an Expressway solution for the SIP domain Cisco.com. Which SRV record should be configured in the public DNS to support inbound B2B calls?



- A. \_collab-edge\_tls.cisco.com
- B. \_cisco-uds\_tcp.cisco.com
- C. \_sip\_tcp.cisco.com
- D. \_cuplogin\_tcp.cisco.com

Reveal Solution

Discussion 1

Question #48

Topic 1

A call is sent by Cisco UCM to Expressway with a URI of 75080001@expc1a.pod8.test.lab. If (7508`i)@expc1a.pod8.test.lab.\* is the pattern string, what would be the replacement string of the transform in Expressway to re-write the call so that it becomes 75080001@conf.pod8.test.lab?

- A. \1@conf\pod8.test.lab.@
- B. \1@conf\pod8.test\lab.\*
- C. \1@conf.pod8.test\lab
- D. \1@conf.pod8.test.lab.!

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Question #49

Topic 1

**Transforms**

Priority	State	Description	Pattern	Type	Behavior	Replace
<input type="checkbox"/> 1	Enabled	Strip_Domain_from_all_calls	(.*)@(.*)	Regex	Replace	\1
<input type="checkbox"/> 2	Enabled	add_pod1_local_domain_to_all_requests	(.*)	Regex	Replace	\1@pod1.local

**Search rules**

Priority	Rule name	Protocol	Source	Mode	Pattern type	Pattern string	Pattern behavior	On match	Target	SIP variant	Enabled
1	Route all Calls to Local Zone	Any	Any	Any alias				Continue	LocalZone	Any	Enabled

**Search history**

Search type	Source	Destination	SIP variant	Status
SIP (INVITE)	jabberuser@pod1.local	sip.endpointc@pod1.local	Standards-based	Not found
SIP (INVITE)	jabberuser@pod1.local	sip.endpointb@pod1.local	Standards-based	Not found
SIP (INVITE)	jabberuser@pod1.local	sip.endpointa@pod1.local	Standards-based	Not found

Refer to the exhibit. Calls to locally registered endpoints are failing. At present, there are two endpoints registered locally to this Expressway. An H.323 endpoint with an alias of `EndpointA` is registered, and a SIP endpoint with an alias of `EndpointB@pod1.local` is also registered. How is this issue resolved?

- A. The dialplan must be redesigned to use the transforms to convert the alias into SIP URI format and then use separate search rules for each format that needs to be dialed within the local zone.
- B. The calls are failing because there are insufficient licenses. Additional licenses must be installed for the Expressway to route these calls.
- C. The current search rule does not match the call, so the search rule must be modified to include a SIP Variant of  $\lambda\epsilon\text{Standards-Based}\lambda\epsilon$ .
- D. Calling parties are placing calls with the wrong domain. End-users must be instructed not to use the pod1.local domain as that is owned by the local system. Calls to any other domain would work.

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Discussion 1

Question #50

Topic 1

```
tvcs: Event="System Configuration Changed" Detail="xConfiguration Bandwidth
Link 17 Pipe2 Name: " Level="1"
httpd[10591]: web: Event="System Configuration Changed" Detail="Create Zones
Zone 7 ZoneName: cms4.pod1.local" Src-ip="10.0.251.192" Src-port="50107"
User="admin" Level="1"
httpd[10591]: web: Event="System Configuration Changed" Detail="Create Zones
Zone 7 Type: Neighbor" Src-ip="10.0.251.192" Src-port="50107" User="admin"
Level="1"
httpd[10591]: web: Event="System Configuration Changed" Detail="Zones Zone 7
H323 Mode - changed from: On to: Off" Src-ip="10.0.251.192" Src-port="50107"
User="admin" Level="1"
httpd[10591]: web: Event="System Configuration Changed" Detail="Zones Zone 7
Neighbor SIP B2BUA Replaces Mode - changed from: Forward to: Terminate"
Src-ip="10.0.251.192" Src-port="50107" User="admin" Level="1"
httpd[10591]: web: Event="System Configuration Changed" Detail="Zones Zone 7
Neighbor Peer Address - changed from: to: cms4.pod1.local"
Src-ip="10.0.251.192" Src-port="50107" User="admin" Level="1"
tvcs: Event="System Configuration Changed" Detail="xConfiguration Zones Zone 7
H323 Mode: Off" Level="1"
tvcs: Event="System Configuration Changed" Detail="xConfiguration Zones Zone 7
Neighbor SIP B2BUA Replaces Mode: Terminate" Level="1"
tvcs: Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="cms4.pod1.local" Type="A and AAAA"
tvcs: Event="System Configuration Changed" Detail="xConfiguration Zones Zone 7
Neighbor Peer 1 Address: cms4.pod1.local" Level="1"
tvcs: Module="network.dns" Level="DEBUG": Detail="Could not resolve hostname"
```

Refer to the exhibit. A new neighbor zone is added for a new Cisco Meeting Server, but the zone is showing a SIP status of failed from the time the zone it was created. What should be done to resolve this issue?

- A. The search rule must be changed to continue on match
- B. The existing zone using ID 7 must be deleted
- C. More bandwidth must be added to the appropriate pipes

D. The underlying DNS issue must be resolved

Reveal Solution

Discussion 4

#### Question #51

Topic 1

Which two considerations must be made when using Expressway media traversal? (Choose two.)

- A. It is possible to NAT both Expressway-E interfaces
- B. The Unified Communications traversal zone should be used for MRA
- C. The Expressway-E must be put in a firewall DMZ segment
- D. Expressway Control is the traversal server installed in the DMZ
- E. Cisco UCM zone should be either traversal server or client

Reveal Solution

Discussion 2

#### Question #52

Topic 1

Jabber cannot log in via Mobile and Remote Access. You inspect Expressway-C logs and see this error message:

XCP\_JABBERD Detail="Unable to connect to host '%IP%', port 7400:(111) Connection refused"

Which is the cause of this issue?

- A. Rich Media Session licenses are not activated on Expressway-E.
- B. Expressway-E is listening on the wrong IP interface.
- C. The destination port for Expressway-E is set to 7400 instead of 8443 on the Expressway-C.
- D. The XCP Service is not activated on Expressway-E.

Reveal Solution

Discussion 5

#### Question #53

Topic 1

Which configuration is required when implementing Mobile and Remote Access on Cisco Expressway?

- A. IPS

- B. SAML authentication
- C. Cisco Unified CM publisher address
- D. SSO

Reveal Solution

Discussion 2

#### Question #54

Topic 1

What is the purpose of using ICE for Mobile and Remote Access endpoints in the Cisco Collaboration infrastructure?

- A. ICE controls the bandwidth usage for Cisco Collaboration endpoints if the endpoints are located outside the company network.
- B. ICE enables Cisco Collaboration endpoints to determine if there is direct connectivity between them.
- C. ICE uses FAST updates to optimize the video quality in case of packet loss. This technology is available only from Cisco Unified CM version 11.5 and later.
- D. ICE enablement allows for the Cisco Collaboration endpoint to register through Expressway servers to Cisco Unified Communications Manager behind a firewall.

Reveal Solution

Discussion 5

#### Question #55

Topic 1

When deploying an Expressway Core and Expressway Edge cluster for mobile and remote access, which TLS verify subject name must be configured on the Expressway-E UC traversal zone?

- A. Webex CUSP Cluster Name
- B. Expressway-E Cluster Name
- C. Cisco Unified Communications Manager Publisher FQDN
- D. Expressway-C Cluster Name

Reveal Solution

Discussion 11

#### Question #56

Topic 1

```
Module="network.ldap" Level="INFO": Detail="Authentication credential found in directory for identity: expresswayturn"
```

```
Module="developer.nomodule" Level="WARN"
```

```
CodeLocation="ppcmains/sip/sipproxy/  
SipProxyAuthentication.cpp(686)" Method="SipProxyAuthentication::  
checkDigestSAResponse" Thread="0x7a2485cb0700": calculated response does not  
match supplied response,  
calculatedResponse=769c8f488b71eebdf28b61ab1dc9f5e9,  
response=319a0bb365dccf98c1bb7b3ce350f6cc  
  
Event="Authenticatcn Failed" Service="SIP" Src-ip="10.1.1.161"  
Src-port="25713" Detail="Incorrect authentication credential for user"  
Protocol="TLS" Method="OPTIONS" Level="1"
```

Refer to the exhibit. Mobile Cisco Jabber cannot register with on-premises Cisco Unified Communications Manager using Mobile and Remote Access. Some logs were captured on Expressway Edge.

Which action corrects this problem?

- A. Ensure that the peer address does not match the Common Name on certificate.
- B. Ensure that the \_cisco-uds SRV record has been configured.
- C. Ensure that the credential has been entered correctly.
- D. Ensure that the SIP domains are added on Expressway Core.

Reveal Solution

Discussion 4

#### Question #57

Topic 1

Which two statements about Expressway media traversal are true? (Choose two.)

- A. Expressway Control is the traversal server installed in the DMZ.
- B. The Expressway Edge must be put in a firewall DMZ segment.
- C. Cisco Unified Communications Manager zone can be either traversal server or client.
- D. The Unified Communications traversal zone can be used for Mobile and Remote Access.
- E. Both Expressway Edge interfaces can be NATed.

Reveal Solution

Discussion 4

#### Question #58

Topic 1

Which zone is required between Expressway-E and Expressway-C in Mobile and Remote Access deployments?

- A. Unified Communications traversal zone

B. neighbor zone

C. DNS zone

D. traversal zone

Reveal Solution

Discussion 5

Question #59

Topic 1

For a Mobile and Remote Access deployment, which server's certificate must include the Unified registration domain as a Subject Alternate Name?

A. Expressway-C server certificate

B. Cisco Unified Communications Manager server certificate

C. Expressway-E server certificate

D. Expressway-C and Expressway-E server certificate

Reveal Solution

Discussion 2

Question #60

Topic 1

A Jabber user is being prompted to trust the Expressway-E certificate when using Mobile and Remote Access. The administrator has validated that the Expressway-E certificate is being trusted by the machine running the Jabber client.

What else can be done to solve this problem?

A. Create a new CSR with new information on the SAN field.

B. Include Cisco Unified Communications Manager registration domain in the Expressway-E certificate as a SAN.

C. Change the domain name.

D. Change the FQDN of the Expressway.

Reveal Solution

Discussion 4

← Previous Questions

Next Questions →

## Question #61

Topic 1

Which DNS record and port combination must be resolved externally for Mobile and Remote Access to be used?

- A. \_collab-edge on port 8443
- B. \_cisco-uds-edge on port 5061
- C. \_collab-edge on port 5061
- D. \_cisco-uds on port 8443

[Reveal Solution](#)[Discussion](#) 2

## Question #62

Topic 1

Which two statements about Mobile and Remote Access certificate are true? (Choose two.)

- A. Expressway Core can use private CA signed certificate.
- B. You must upload the root certificates in the phone trust store.
- C. Expressway must generate certificate signing request.
- D. Expressway Edge must use public CA signed certificate.
- E. The Jabber client can work with public or private CA signed certificate.

[Reveal Solution](#)[Discussion](#) 13

## Question #63

Topic 1

In a Mobile and Remote Access deployment, where must communications be encrypted with TLS?

- A. Cisco Expressway-E and endpoints outside the enterprise
- B. Cisco Expressway-C, Cisco Unified Communications Manager, and IM&P
- C. Cisco Expressway-C, Cisco Expressway-E, and Cisco Unified Communications Manager
- D. Cisco Expressway-C, Cisco Expressway-E, and endpoints outside the enterprise

[Reveal Solution](#)[Discussion](#) 9

## Question #64

Topic 1

When determining why Mobile and Remote Access to Cisco TelePresence equipment does not work anymore for an organization. There are several administrators and configuration changes could have happened without anyone knowing. Internal communication seems to be working, but no external system can register or call anywhere. Gathering symptoms, you also discover that no internal systems can call out either.

What is TraversalZone missing that causes this issue?

- A. link to the DefaultZone
- B. pipe to the DefaultZone
- C. SIP trunk to the DefaultZone
- D. route pattern to the DefaultZone

[Reveal Solution](#)[Discussion](#) 6

## Question #65

Topic 1

Which entry in the public (external) DNS is valid to configure DNS SRV records for a Cisco Mobile and Remote Access solution?

- A. \_cisco-uds.\_tcp.<domain>
- B. \_cisco-mra.\_tls.<domain>
- C. \_collab-edge.\_tls.<domain>
- D. \_cisco-expwy.\_tls.<domain>

[Reveal Solution](#)[Discussion](#) 5

## Question #66

Topic 1

```
2021-02-02T12:18:27.359-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,359" Module="network.sip" Level="INFO": Action="Sent" Local-ip="1
2021-02-02T12:18:27.360-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,359" Module="network.sip" Level="DEBUG": Action="Sent" Local-ip='
SIPMSG:
|REGISTER sip:cucm.pod1.local SIP/2.0
Via: SIP/2.0/TCP 10.0.101.115:5060;egress-zone=CETcpCucmpod1local;branch=z9hG4bKaa525ee7842f3b408b2cbc882ff5866237642.8b46bf0f88eff29ef
Via: SIP/2.0/TLS 10.0.101.119:7002;egress-zone=UC;branch=z9hG4bK0822ed2041bc6f7a15d68e86ce58290b2465.967ceda2f6ae2c01deb5a118f58ab29e;;
Via: SIP/2.0/TLS 10.0.132.202:54651;branch=z9hG4bK00006696;received=10.0.132.202;ingress-zone=CollaborationEdgeZone
Call-ID: 005056ae-48d5084e-000041c1-00004e3b@10.0.132.202
CSeq: 4351 REGISTER
Contact: <sip:6649132f-1a5c-a445-9400-869c6960b0d9@10.0.101.115:5060;transport=tcp;orig-hostport=10.0.132.202:54651>;+sip.instance="<u
From: <sip:2000@cucm.pod1.local>;tag=005056ae48d5085000002633-0000339d
To: <sip:2000@cucm.pod1.local>
Max-Forwards: 14
Route: <sip:cucm.pod1.local;transport=tcp;lr>
```



```

User-Agent: Cisco-CSF
Expires: 3600
Date: Tue, 02 Feb 2021 20:18:26 GMT
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,}
P-Asserted-Identity: <sip:2000@cucm.pod1.local>
Reason: SIP ;cause=200;text="cisco-alarm:24 Name=CSFJabberuse ActiveLoad=Jabber_for_Windows-11.8.2.50390 InactiveLoad=Jabber_for_Windows
Session-ID: c0d0278100255000a0000dcf900d0000;remote=00000000000000000000000000000000
Content-Type: multipart/mixed;boundary=uniqueBoundary
Content-Length: 1271
2021-02-02T12:18:27.363-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,362" Module="network.sip" Level="INFO": Action="Received" Local-IP: 10.0.101.115
2021-02-02T12:18:27.363-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,363" Module="network.sip" Level="DEBUG": Action="Received" Local-IP: 10.0.101.115
SIPMSG:
|SIP/2.0 405 Method Not Allowed
Via: SIP/2.0/TCP 10.0.101.115:5060;egress-zone=CETcpucmpod1localrt=7002;ingress-zone=UCZone,SIP/2.0/TLS 10.0.132.202:54651;branch=z9hGzeB7002
Call-ID: 005056ae-48d5084e-000041c1-00004e3b@10.0.132.202
CSeq: 4351 REGISTER
From: <sip:2000@cucm.pod1.local>;tag=005056ae48d5085000002633-0000339d
To: <sip:2000@cucm.pod1.local>;tag=220085250
Allow: INVITE,OPTIONS,INFO,BYE,CANCEL,ACK,PRACK,UPDATE,REFER,SUBSCRIBE,NOTIFY
Server: Cisco-CUCM12.5
Date: Tue, 02 Feb 2021 20:18:27 GMT
Warning: 399 cucm "SIP trunk disallows REGISTER"
Content-Length: 0

```

Refer to the exhibit. An engineer is deploying mobile and remote access in an environment that already had functioning Business to Business calling. Mobile and remote access SIP registrations are failing. To troubleshoot, SIP logs were collected. How is this issue resolved?

- A. Change the SIP profile on the SIP trunk for the Expressway-E to Standard SIP Profile for TelePresence Endpoint
- B. Change the Incoming Port in the SIP Trunk Security Profile for the Expressway-C to not match SIP line registrations
- C. Enable autoregistration for the appropriate DN range on the Cisco UCM servers running the CallManager service
- D. Write a custom normalization script since the vcs-interop normalization script does not allow registrations

Reveal Solution

Discussion 3

Question #67

Topic 1

### Unified Communications status

Unified Communications (last updated: 14:11:51 PST)	
Unified Communications status	Enabled
Unified CM registrations	Domain configured but no active zone connection
IM and Presence Service	Domain configured but no active zone connection
XMPP Federation	Not configured ( <a href="#">Configure a domain on Expressway-C</a> )
Single Sign-On support	Not configured (Enable on the <a href="#">Unified Communications</a> page)
OAuth token with refresh	Not configured (Enable on the <a href="#">Unified Communications</a> page)

### Activity

Unified CM calls: Current video	0
Unified CM calls: Current audio (SIP)	0
Current UCM/LDAP basic authenticated sessions	8
Total UCM/LDAP basic authenticated sessions	15
Total provisioning requests since last restart	21

### Domains

```

xstatus zones zone 2
's Zones: /
Zone:
2:
  Bandwidth:
  ClusterUsage: "0"
  LocalUsage: "0"
  Name: "EXPE.pod1.local"
  Status: "Active"
  TraversalClient:
Peer:
SIP:
  Address: "10.0.101.119"
  Apparent: "10.0.101.115:27240"
  LastStatusChange: "2021-02-02 14:26:21"
  Port: "7001"
  ResourceUsage:
  NonTraversalCallsAvailable: "1500"
  ProtocolMode: "Both"
  RegistrationsAvailable: "0"
  ResourceUsageValid: "True"
TURN:
  Port:

```

Name	Services	Associated zones
<a href="#">pod1.local</a>	Unified CM registrations, IM and Presence Service	No associated zones

Servers	
<a href="#">IM and Presence Service nodes</a>	1
<a href="#">Unified CM servers</a>	1
<a href="#">Unity Connection servers</a>	There are no <a href="#">Unity Connection servers</a> configured.

Zones	
There are no Unified Communications traversal zones configured. <a href="#">Configure a secure Unified Communications traversal zone connection between this Expressway-C and the Expressway-E</a>	

```

Port: "3478"
Ports:
Count: "1"
TURNRelaysAvailable: "1800"
TraversalCallsAvailable: "300"
Server: "TANDBERG/4137 (X12.5.3)"
Status: "Active"
Type: "TraversalClient"

```

Refer to the exhibit. Logins and failing via mobile and remote access. How is this resolved?

- A. Mobile and remote access login has not been enabled for the domain configured in the Expressway-C. The domain must be edited to allow Cisco UCM registrations.
- B. SIP is disabled on the Expressway-E. The SIP protocol must be enabled on the server.
- C. No Cisco UCM servers are configured in the Expressway-C. Servers must be added for CallManager and IM and Presence services.
- D. Although a traversal client zone exists, there is no Unified Communications traversal client zone. One must be created.

Reveal Solution

Discussion 5

Question #68

Topic 1

Alarms	
Alarm	Description
<input type="checkbox"/> Unified CM port conflict	There is a port conflict on Unified CM 10.0.101.111 between neighbor zone CUCM.pod1.local and Unified Communications (both are using port 5060)


Action
The same port on Unified CM cannot be used for line side (Unified Communications) and SIP trunk traffic. Review the port configuration on Unified CM and reconfigure the <a href="#">Zone</a> if necessary

Refer to the exhibit. Mobile and remote access is being added to an existing B2B deployment and is failing. When the administrator looks at the alarms on the Expressway-C, the snippets are shown. Which configuration action should the administrator take to fix this issue?

- A. The listening port on the Expressway-C for SIP TCP must be changed to a value other than 5060
- B. The listening port on the Expressway-C for SIP TLS must be changed to a value other than 5061
- C. The listening port on the Cisco UCM for the Expressway-C SIP trunk must be changed to something other than 5060 or 5061
- D. The listening port on the Cisco UCM for the Expressway-C SIP trunk is set to something other than 5060 or 5061. It must be set to 5060 for insecure and 5061 for secure SIP

Reveal Solution

Discussion 7



**Cisco Jabber**

Cannot find your services automatically. Click advanced settings to set up manually.

jabberuser@pod1.local

Continue

```
Standard query 0x2b84 SRV _cisco-uds._tcp.pod1.local
Standard query response 0x2b84 No such name SRV _cisco-uds._tcp.pod1.local SOA ad.skype.local
Standard query 0x71d9 SRV _cuplogin._tcp.pod1.local
Standard query response 0x71d9 No such name SRV _cuplogin._tcp.pod1.local SOA ad.skype.local
Standard query 0x27bb SRV _collab-edge._tls.pod1.local
Standard query response 0x27bb No such name SRV _collab-edge._tls.pod1.local SOA ad.skype.local
Standard query 0xb09e SRV _collab-edge._tls.pod1.local
Standard query response 0xb09e No such name SRV _collab-edge._tls.pod1.local SOA ad.skype.local
Standard query 0xe2b5 A pod1.local
Standard query response 0xe2b5 A pod1.local SOA ad.skype.local
Standard query 0x687e A pod1
Standard query 0x687e A pod1
Standard query 0xa661 A loginp.webexconnect.com
Standard query response 0xa661 A loginp.webexconnect.com CNAME global-cas-c63.webexconnect.com
Standard query 0xccba SRV _cisco-uds._tcp.pod1.local
Standard query response 0xccba No such name SRV _cisco-uds._tcp.pod1.local SOA ad.skype.local
Standard query 0x8530 SRV _cuplogin._tcp.pod1.local
Standard query response 0x8530 No such name SRV _cuplogin._tcp.pod1.local SOA ad.skype.local
Standard query 0xd02d SRV _collab-edge._tls.pod1.local
Standard query response 0xd02d No such name SRV _collab-edge._tls.pod1.local SOA ad.skype.local
Standard query 0x91d6 SRV _cisco-uds._tcp.pod1.local
Standard query response 0x91d6 No such name SRV _cisco-uds._tcp.pod1.local SOA ad.skype.local
Standard query 0x0648 SRV _cuplogin._tcp.pod1.local
Standard query response 0x0648 No such name SRV _cuplogin._tcp.pod1.local SOA ad.skype.local
Standard query 0xb4fa SRV _cisco-uds._tcp.pod1.local
Standard query response 0xb4fa No such name SRV _cisco-uds._tcp.pod1.local SOA ad.skype.local
Standard query 0x5299 SRV _cuplogin._tcp.pod1.local
Standard query response 0x5299 No such name SRV _cuplogin._tcp.pod1.local SOA ad.skype.local
```

Refer to the exhibit. The administrator attempted to log in, but Jabber clients cannot log in via mobile and remote access. How is this issue resolved?

- A. Skype for Business mode must be disabled on the DNS server because it conflicts with Jabber login requirements.
- B. The domain pod1.local must be deprovisioned from the Webex cloud for Jabber logins.
- C. A DNS SRV record must be created for \_collab-edge.\_tls.pod1.local that points to the Expressway-E.
- D. The username jabberuser@pod1.local is invalid. The user should instead sign-in simply as jabberuser.

Reveal Solution

Discussion 1

```
Module="network.tcp" Level="DEBUG": Dst-ip="10.0.101.119" Dst-port="7002" Detail="TCP Connecting"
Module="network.tcp" Level="DEBUG": Dst-ip="10.0.101.119" Dst-port="7002" Detail="TCP Connection Established"
Event="Outbound TLS Negotiation Error" Service="SIP" Src-ip="10.0.101.115" Src-port="27161" Dst-ip="10.0.101.119"
  Dst-port="7002" Detail="Peer's TLS certificate identity was unacceptable" Protocol="TLS" Common-name="10.0.101.119"
```

Valid from	Friday, October 18, 2019 ...
Valid to	Sunday, October 17, 202...
Subject	expe.pod1.local, Systems...
Public key	RSA (4096 Bits)
Public key parameters	05 00
Enhanced Key Usage	Server Authentication (1

Enhanced Key Usage Server Authentication (1...  
Subject Alternative Name DNS Name=expe.pod1.local  
Subject Key Identifier c7b28ee75e675005198f9...

**Location**

Peer 1 address   SIP: Failed to connect to 10.0.101.119:7002 : TLS negotiation failure  
[Check the certificates for the traversal connection](#)

Peer 2 address  

Peer 3 address  

Peer 4 address  

Peer 5 address  

Peer 6 address  

Refer to the exhibit showing logs from the Expressway-C, a copy of the Expressway-E certificate, and the UC traversal zone configuration for the Expressway-C. An office administrator is deploying mobile and remote access and sees an issue with the UC traversal zone. The zone is showing `TLS negotiation failure`. What is causing this issue?

- A. The Expressway-E certificate includes the Expressway-C FQDN as a SAN entry
- B. The Expressway-C is missing the FQDN of Cisco UCM in the Common Name of its certificate
- C. In the UC Traversal Zone on the Expressway-C, the peer address is set to the IP of the Expressway-E, which is not a SAN entry in the Expressway-E certificate
- D. The Expressway-E does not have the FQDN of Cisco UCM listed as a SAN in its certificate

Reveal Solution

Discussion 3

Question #71

Topic 1

Which part of a hybrid cloud-based deployment with Cisco Webex Messenger Service is used for meeting capabilities?

- A. Cisco Unified CM is always used for meeting capabilities.
- B. Depending on the media flow, the Webex Meeting Center or local Cisco Unified CM meeting resources are used for meeting capabilities.
- C. Depending on the origin of the user, the Webex Meeting Center or local Cisco Unified Communications Manager meeting resources are used for meeting capabilities.
- D. Cisco Webex Meeting Center is always used for meeting capabilities.

Reveal Solution

Discussion 8

Which step is required when configuring Cisco Webex Hybrid Message Service?

- A. Register Expressway-C Connector Hosts to the Cisco Webex Cloud.
- B. Register Expressway-C to Cisco Unified Communications Manager.
- C. Add Expressway-C and Cisco Unified CM to the Cisco Webex Cloud.
- D. Add Cisco Unity Connection to Expressway-E.

[Reveal Solution](#)[Discussion](#) 2

Which service is available in a cloud-based deployment using Cisco Webex Messenger?

- A. Presence
- B. Phone services
- C. Voicemail
- D. Call forward services

[Reveal Solution](#)[Discussion](#) 2

Which statement about the Cisco Webex hybrid service is true?

- A. Expressway Connector is required for an on-premises Exchange server.
- B. Hybrid Message service works only with Jabber cloud deployment.
- C. Directory Connector is required for Azure AD.
- D. Directory Connector must be deployed for OBTP to work with on-premises video devices.

[Reveal Solution](#)[Discussion](#) 6

Which two statements about Cisco Webex Video Mesh Nodes are true? (Choose two.)

Which two statements about Cisco Webex Video Mesh Nodes are true? (Choose two.)

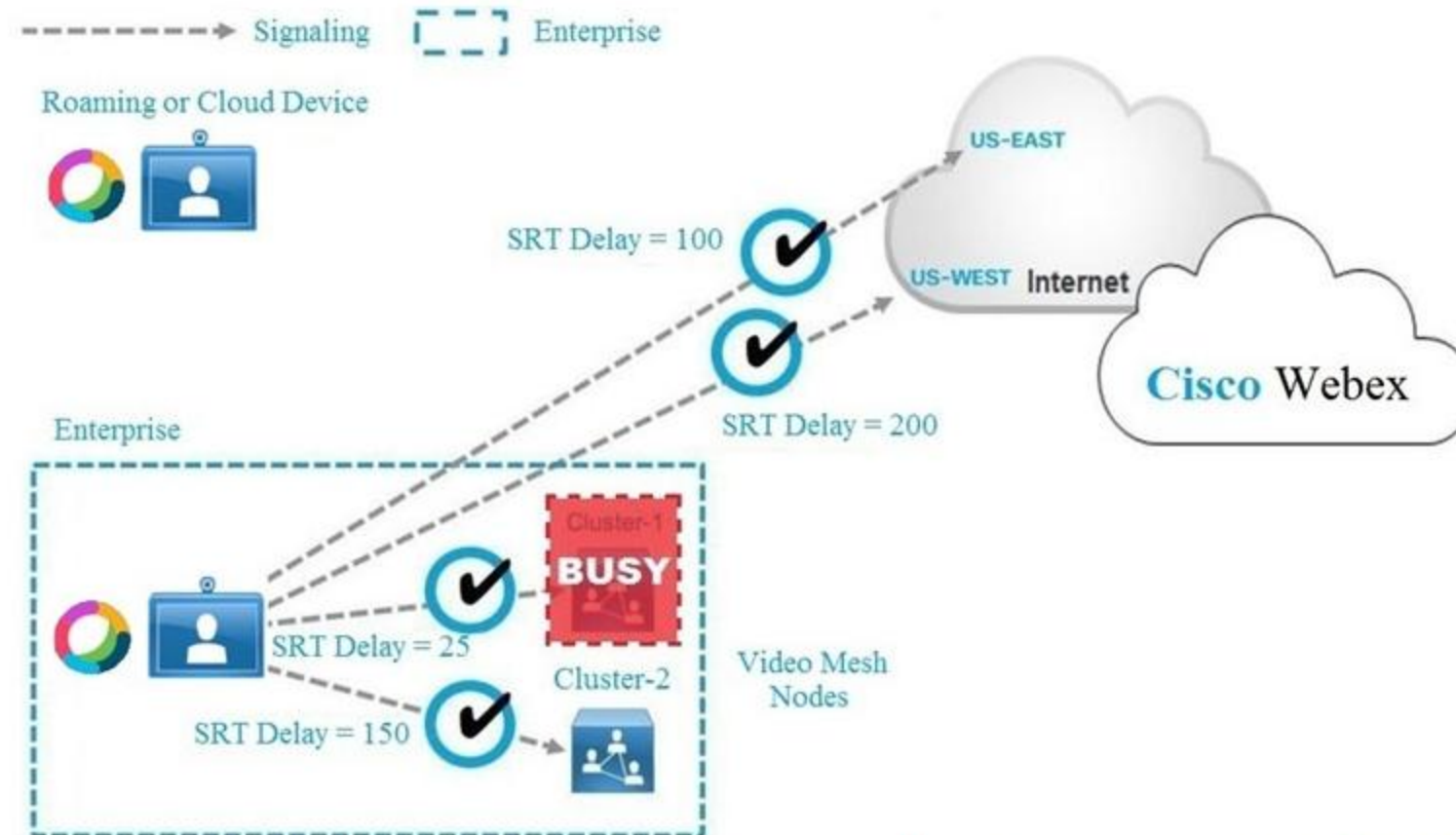
- A. When Expressway Core works with VMN clusters, Expressway Core decides which VMN is used for signaling/media connection.
- B. Cloud-registered devices choose a VMN cluster based on the lowest STUN round trip delay.
- C. The cascading traffic between VMN must bypass the firewall.
- D. When Cisco Unified Communications Manager works with multiple VMNs, Cisco Unified CM decides which VMN is used for signaling connection.
- E. A VMN can terminate a media connection while operating in maintenance mode.

Reveal Solution

Discussion 2

Question #76

Topic 1



Refer to the exhibit. If the Webex Teams device cannot connect to Video Mesh Cluster-1 because it is busy, which media node does the Webex Teams device connect to next?

- A. Both Cloud Node US-EAST and US-WEST
- B. Video Mesh Cluster-2
- C. Cloud Node US-EAST
- D. Cloud Node US-WEST

Reveal Solution

Discussion 9

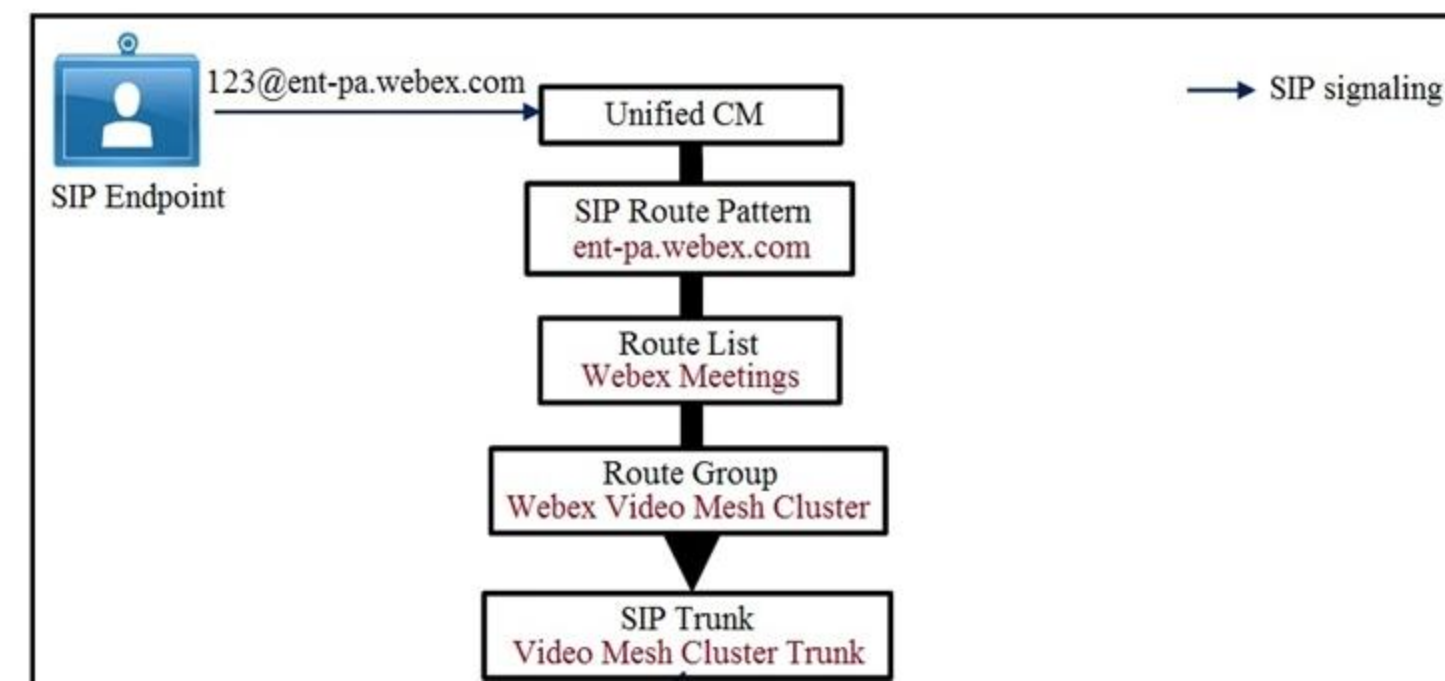
A Cisco Webex Hybrid Video Mesh Node can be installed in the DMZ and on the internal network.  
Which statement is true?

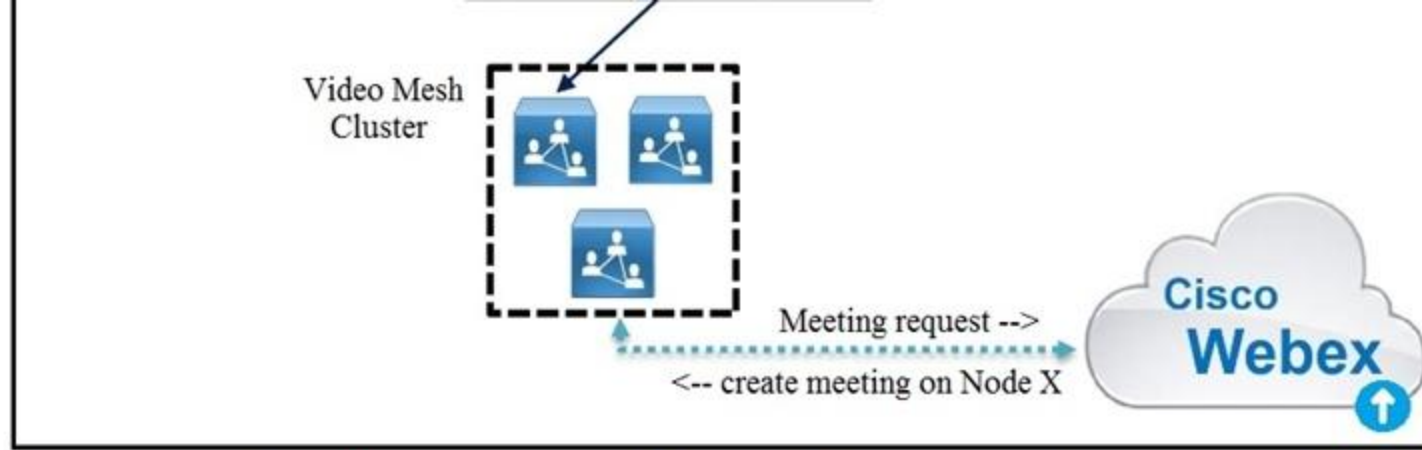
- A. Webex Cloud supports either a DMZ-based Mesh Node for security or an internal-based Mesh Node for media control only.
- B. Installing a Video Mesh Node in the DMZ requires you to open TCP and UDP port 4444 in your internal firewall for full clustering functionality.
- C. Installing a Video Mesh Node in the DMZ requires the external firewall to allow UDP traffic from ANY port to the address of the Video Mesh Nodes via port 5004.
- D. Using internal Video Mesh Node also works due to Mobile and Remote Access setup for Webex Teams clients. A DMZ node is added for extra security.

[Reveal Solution](#)[Discussion](#) 4

Where are voice calls handled in a Cisco Jabber hybrid cloud-based deployment with Cisco Webex Platform Service?

- A. Voice calls use Webex Calling platform for call control and use hybrid media nodes for local conferencing.
- B. Voice calls use local media nodes to keep traffic internal for internal traffic and use Webex Calling for external calls.
- C. Voice call use Cisco Unified Communications Manager for local calls and Webex Calling for external calls.
- D. Voice calls use local Cisco Unified Communications Manager for all calls.

[Reveal Solution](#)[Discussion](#) 1



Refer to the exhibit. Cisco Unified Communications Manager routes the call via the Webex Meetings route list and route group to the Video Mesh cluster Node#1 in the Video Mesh cluster is hosting the meeting and has reached full capacity, but other nodes in the cluster still have spare capacity.

What happens to the participant's call?

- A. Another node in the cluster is used and an intra-cluster cascade between the two Video Mesh nodes is formed.
- B. The call is queued.
- C. The call fails.
- D. Another node in the cluster is used and an intra-cluster cascade between Webex and the new Video Mesh node is formed.

Reveal Solution

Discussion 7

Question #80

Topic 1

An organization wants to enable a Cisco Webex connector to synchronize all employees automatically with Cisco Webex instead of using a manual list.

Where is the Webex Hybrid Directory Service configured?

- A. Install Cisco Directory Connector on a Microsoft Windows Domain server and configure the software and Webex Control Hub.
- B. Enable the directory service in Cisco Unified Communications Manager under Cisco Unified Serviceability and add the service in Webex Control Hub.
- C. Enable the directory service on Cisco Expressway Edge for Office 365 or Cisco Expressway Core for internal Active Directory and add the service in Webex Control Hub.
- D. Install the Cisco Express Connector and configure the device in Cisco Unified Communications Manager under Cisco Unified Serviceability and add the service in Webex Control Hub.

Reveal Solution

Discussion 5

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## Question #81

Topic 1

With QoS enabled, which two statements about the Cisco Webex Video Mesh Node signaling and media traffic are true? (Choose two.)

- A. From VMN to CUCM SIP endpoints, the source UDP ports from 52500 to 62999 is used for audio traffic.
- B. From VMN to Webex Teams clients, the source UDP port 5004 is used for video traffic.
- C. From Webex cloud to VMN, the source UDP port 9000 is used for audio traffic.
- D. From VMN to video endpoints, the destination UDP port 5004 is used for audio traffic.
- E. From VMN to Webex cloud, the destination UDP port 9000 is used for video traffic.

[Reveal Solution](#)[Discussion](#) 6

## Question #82

Topic 1

What should be considered when using the Cisco Webex hybrid service?

- A. Directory Connector must be deployed for OBTP to work with on-premises video devices
- B. Directory Connector is required for Azure AD
- C. Hybrid Message service works only with Jabber cloud deployment
- D. Expressway Connector is required for an on-premises Exchange server

[Reveal Solution](#)[Discussion](#) 6

## Question #83

Topic 1

When a Cisco Webex Video Mesh Node is configured for an organization, which process does the Webex Teams client use to discover the optimal bridging resource?

- A. the lowest STUN round-trip delay to each node and cloud
- B. a reachable Video Mesh Node and then overflows to the cloud, if needed
- C. the SIP delay header during call setup
- D. an HTTPS speed and latency test to each node and the cloud

Reveal Solution

Discussion 5

#### Question #84

Topic 1

An administrator has been tasked to bulk entitle 200 existing users and ensure all future users are automatically configured for the Webex Hybrid Calendar Service. Which two options should be used to configure these users? (Choose two.)

- A. Export a CSV list of users in the Cisco Webex Control Hub, set the Hybrid Calendar Service to TRUE for users to be enabled, then import the file back to Manage Users menu in the Cisco Webex Control Hub.
- B. Set up an Auto-Assign template that enables Hybrid Calendar.
- C. Select the Hybrid Services settings card in the Cisco Webex Control Hub and import a User Status report that contains only users to be enabled.
- D. On the Users tab in the Cisco Webex Control Hub, check the box next to each user who should be enabled, then click the toggle for the Hybrid Calendar service to turn it on.
- E. From Cisco Webex Control Hub, verify the domain that your Hybrid Calendar users will use, which automatically activates them for the service.

Reveal Solution

Discussion 8

#### Question #85

Topic 1

What is a requirement when configuring the Cisco Webex Hybrid Message account for accessing the API of the Cisco UCM IM and Presence Service?

- A. Add a new end-user with the "Standard AXL API Access" role
- B. Use an application user with only the "Standard CTI Allow Control of All Devices" role

C. Use an application user not the main administrator account with the "Standard AXL API Access" role

D. Use the main administrator account if it includes the "Standard AXL API Access" role

Reveal Solution

Discussion 1

#### Question #86

Topic 1

The Cisco Webex Hybrid Message service is deployed geographically for separate Cisco Unified IM and Presence clusters. What must be configured in the Cisco Webex Control Hub to achieve this deployment?

A. geo-locations

B. distributed DNS

C. verified domains

D. resource groups

Reveal Solution

Discussion 2

#### Question #87

Topic 1

```
C:\Users\Administrator>nslookup
Default Server: Win2016-AD.example.com
Address: 192.168.10.10

> set type=all
> _cisco-uds._tcp.example.com4
Server: Win2016-AD.example.com
Address: 192.168.10.10

_cisco-uds._tcp.example.com      SRV service location:
    priority      = 10
    weight        = 10
    port          = 8443
    svr hostname  = cucm.example.com
```

```
> _collab-edge._tls.example.com
Server: Win2016-AD.example.com
Address: 192.168.10.10

_collab-edge._tls.example.com      SRV service location:
  priority      = 10
  weight       = 10
  port         = 8443
  svr hostname  = expressway-e.example.com
>
```

Refer to the exhibit. When a Jabber user attempts to connect from outside of the organization, the user enters the login information as "user@example.com" and receives the error "Cannot find your services Automatically". The engineer tries to resolve SRV records used by Jabber.

DNS A record "expressway-e.example.com" points to the Expressway-E IP and "cucm.example.com" points to the Cisco Unified Communications Manager.

Which change resolves the DNS problem?

- A. Change cisco-uds to point to the Expressway-E FQDN.
- B. Change the collab-edge record to point to 5061.
- C. Remove the cisco-uds SRV record for the external DNS.
- D. Change the priority of the SRV record for cisco-uds.

Reveal Solution

Discussion 4

Question #88

Topic 1

What is one of the user-related prerequisites for Jabber Team Messaging Mode Installation?

- A. Create user accounts in Cisco Webex Control Hub only.
- B. Create user accounts in Cisco Unified Communications Manager only.
- C. Create user accounts in Cisco Unified IM and Presence.
- D. Create user accounts in Cisco Unified CM and Cisco Webex Control Hub.

Reveal Solution

Discussion 5

An external Jabber device cannot register. While troubleshooting this issue, the engineer discovers that privately signed certificates are being used on Expressway-C and Expressway-E. What action will resolve this issue?

- A. The private CA certificate must be placed in the phone trust store
- B. The Jabber client must register to the Cisco UCM internally before it will register externally
- C. The device running the Jabber client must download and trust the private CA certificate
- D. The device running the Jabber client must use a VPN to register

[Reveal Solution](#)[Discussion](#) **1**

```
XmppSDK.dll #0, 201, Recv:<iq id='uid:527a7fe7:00000cfe:00000000' type='error'><bind
xmlns='urn:ietf:params:xml:ns:xmpp-stanzas' /></error></iq>

XmppSDK.dll #0, CXmppClient::onResourceBindError

XmppSDK.dll #0, 39, CTriClient::HandleDisconnect, reason:16
```

Refer to the exhibit. While troubleshooting Cisco Jabber login issues, there are some error messages.

Why is the Jabber client unable to sign in?

- A. down Cisco Unified Communications Manager server
- B. XMPP bind failures
- C. incorrect login credentials
- D. service discovery issues

[Reveal Solution](#)[Discussion](#) **2**

**Question #91***Topic 1*

A MRA deployment is being configured where one of the requirements is for registered Jabber users to pull directory photos from an internal server. What should be configured on the Expressway-C so that MRA registered clients reach this server?

- A. The directory photo server FQDN must be added to the Expressway-C certificate
- B. A search rule must be created to route the requests to Cisco UCM
- C. A neighbor zone must be created to the directory photo server
- D. The directory photo server must be added to the HTTP allow list

[Reveal Solution](#)[Discussion](#) **2****Question #92***Topic 1*

What should an engineer use to create users for a Cisco Jabber Cloud Deployment?

- A. Cisco Webex Administration Tool
- B. Cisco UCM
- C. Cisco Webex Directory Connector
- D. Cisco Unified IM and Presence Server

[Reveal Solution](#)[Discussion](#) **1****Question #93***Topic 1*

An administrator has been asked to configure Video Mesh signaling traffic to route through a proxy. Which is an available proxy type in the Video Mesh node configuration to support this deployment model?

- A. Transparent Explicit Proxy
- B. Transparent Inspecting Proxy
- C. Reverse Proxy
- D. Distorting Proxy

Reveal Solution

Discussion 11

#### Question #94

Topic 1

Why would a Cisco Jabber contact under Hybrid Messaging Integration be grayed out?

- A. The contact uses Cisco Webex Teams and Jabber and remains as Do not Disturb for 30 minutes.
- B. The contact was using only Cisco Webex Teams and changed the status to Away.
- C. The contact set Out of the Office for Cisco Webex Teams.
- D. The other user has not used Cisco Webex Teams or Jabber within the last 72 hours, so they are offline.

Reveal Solution

Discussion 1

#### Question #95

Topic 1

An engineer must fix broken SSH tunnels between Expressway-C (192.168.10.5) and Expressway-E (192.168.20.5). The engineer is advised that the packet capture shows the required packets for the SSH tunnels leaving the Expressway-C but not reaching the Expressway-E. Which firewall configuration must the engineer allow to resolve this issue?

- A. port 2222 from Expressway-E to Expressway-C
- B. port 7001 from Expressway-C to Expressway-E
- C. port 7001 from Expressway-E to Expressway-C
- D. port 2222 from Expressway-C to Expressway-E

### Unified Communications status

Unified Communications (last updated: 14:11:51 PST)

Unified Communications status Enabled

Unified CM registrations	Domain configured but no active zone connection
IM and Presence Service	Domain configured but no active zone connection
XMPP Federation	Not configured ( <a href="#">Configure a domain on Expressway-C</a> )
Single Sign-On support	Not configured (Enable on the <a href="#">Unified Communications</a> page)
OAuth token with refresh	Not configured (Enable on the <a href="#">Unified Communications</a> page)

#### Activity

Unified CM calls. Current video	0
Unified CM calls. Current audio (SIP)	0
Current UCM/LDAP basic authenticated sessions	8
Total UCM/LDAP basic authenticated sessions	15
Total provisioning requests since last restart	21

#### Domains

Name	Services	Associated zones
<a href="#">pod1.local</a>	Unified CM registrations, IM and Presence Service	No associated zones

#### Servers

<a href="#">IM and Presence Service nodes</a>	1
<a href="#">Unified CM servers</a>	1
<a href="#">Unify Connection servers</a>	There are no <a href="#">Unify Connection servers</a> configured.

#### Zones

There are no Unified Communications traversal zones configured. [Configure a secure Unified Communications traversal zone connection between this Expressway-C and the Expressway-E](#)

```
xstatus zones zone 2
's Zones: /
Zone:
2:
  Bandwidth:
  ClusterUsage: "0"
  LocalUsage: "0"
  Name: "EXPE.pod1.local"
  Status: "Active"
  TraversalClient:
Peer:
SIP:
  Address: "10.0.101.119"
  Apparent: "10.0.101.115:27240"
  LastStatusChange: "2021-02-02 14:26:21"
  Port: "7001"
  ResourceUsage:
NonTraversalCallsAvailable: "1500"
ProtocolMode: "Both"
RegistrationsAvailable: "0"
ResourceUsageValid: "True"
TURN:
  Port:
  Count: "0"
  Port: "3478"
  Ports:
  Count: "1"
TURNRelaysAvailable: "1800"
TraversalCallsAvailable: "300"
  Server: "TANDBERG/4137 (X12.5.3)"
  Status: "Active"
  Type: "TraversalClient"
```

Refer to the exhibit. Logins are failing via Mobile and Remote Access. How is this resolved?

- A. No Cisco UCM servers are configured in the Expressway-C. Servers must be added for CallManager and IM and Presence services.
- B. SIP is disabled on the Expressway-E. The SIP protocol must be enabled on the server.
- C. Although a traversal client zone exists, there is no UC traversal client zone. One must be created.
- D. Mobile and Remote Access login has not been enabled for the domain configured in the Expressway-C. The domain must be edited to allow Cisco UCM



registrations.

[Reveal Solution](#)

[Discussion](#)

#### Question #97

Topic 1

An administrator is configuring DNS to allow Mobile and Remote Access logins for the domain cisco.com. Where must the \_collab-edge\_tls.cisco.com DNS SRV record be configured?

- A. in the public DNS server
- B. in DNS SRV settings under Cisco Unified OS Administration in Cisco UCM
- C. in DNS settings in the Expressway-E on the interface that faces the Internet
- D. in DNS settings under Cisco Unified OS Administration in Cisco UCM

[Reveal Solution](#)

[Discussion](#) 1

#### Question #98

Topic 1

Cisco Jabber clients are failing to log in using Mobile and Remote Access. The administrator checked the Jabber problem report logs and saw that connections to the Expressway-E are being refused on TCP port 8443. From a packet capture run on the Jabber client while attempting to log in, there is no response to the TCP SYN packets sent to the Expressway-E by Jabber. Which two reasons are causing the Expressway-E to be unreachable on port 8443 from the internet? (Choose two.)

- A. The Jabber clients using an outdated version.
- B. The Unified Communications zone is down.
- C. The firewall is blocking the port.
- D. The certificate for Jabber is expired.
- E. The SRV record for \_cisco-uds is misconfigured.

[Reveal Solution](#)

[Discussion](#) 5

**Question #99***Topic 1*

An organization wants to be able to call IP addresses and URI addresses. An engineer must configure Cisco Expressways to manage this request from the endpoints in the organization. How would the engineer configure the Expressways to allow these calls to be completed to external IP addresses?

- A. Set calls to unknown IP addresses to direct on the Cisco Expressways, and add a search rule on the Expressway-E
- B. Set calls to unknown IP addresses to indirect on the Cisco Expressways, and add a search rule on the Expressway-E
- C. Use search rules to manage calls to IP addresses, and the direct/indirect setting on the Expressway is used as a fallback only if the search rules do not exist
- D. Set calls to unknown IP addresses to indirect on the Expressway-C and direct on the Expressway-E, and add a search rule on the Expressway-E

[Reveal Solution](#)[Discussion](#) **3****Question #100***Topic 1*

When the network requirements are configured for a new Video Mesh deployment, which firewall ports are required so that Video Mesh cascade signaling succeeds?

- A. TCP 443 and 444
- B. TCP 443 and 8443
- C. UDP 5004 and 5005
- D. UDP 33432 through 33433

[Reveal Solution](#)[Discussion](#) **2**[← Previous Questions](#)[Next Questions →](#)

Question #101

Topic 1

Which 16-digit number is unique to a serial number and is used to enable the system?

- A. RMS license key
- B. option key
- C. release key
- D. Expressway series

Reveal Solution

Discussion 1

Question #102

Topic 1

	Expressway-C	Expressway-E
<b>Name</b>	Enter TraversalZone	Enter TraversalZone
<b>Type</b>		
<b>Username</b>	Enter exampleauth	Enter exampleauth
<b>Password</b>	Enter ex4mp13.c0m	Not applicable
<b>H.323 Mode</b>	On	On
<b>H.323 Protocol</b>	Assent	Assent
<b>H.323 Port</b>	Enter 6001	Enter 6001
<b>H.323 H.460.10 demultiplexing mode</b>	Not applicable	Off
<b>SIP Mode</b>	On	On
<b>SIP Port</b>	Enter 7001	Enter 7001
<b>SIP Transport</b>	TLS	TLS
<b>SIP TLS verify mode</b>	Off	Off
<b>SIP Accept proxied registrations</b>	Allow	Off
<b>Location Peer 1 address</b>	Enter 192.0.2.2	Not applicable

Refer to the exhibit. What are "Type" field values for this Expressway servers zone configuration?

- A. Expressway-C "DNS", Expressway-E "Traversal server"
- B. Expressway-C "Traversal server", Expressway-E "Traversal client"
- C. Expressway-C "Neighbor", Expressway-E "Neighbor"
- D. Expressway-C "Traversal client", Expressway-E "Traversal server"

Reveal Solution

Discussion 1

#### Question #103

Topic 1

An engineer reviews the configuration of a pair of Expressway servers for a company with the domain example.com. The company allows toll fraud calls to reach the Cisco UCM only when it expects externally registered devices to call internal 5-digit extensions. The search history shows that the fraudulent calls have a destination URI of 8 or more digits and several domains. What must the engineer configure to prevent all toll fraud calls from going past the Expressway-E to the internal network?

- A. search rules to only route calls with a destination URI of 5 to 8 digits long on the Expressway-E
- B. CPL that blocks calls with a destination domain other than example.com on the Expressway-C.
- C. search rules to only route calls with a destination domain of example.com on the Expressway-E
- D. CPL to block calls with a destination URI with 8 or more digits on the Expressway-E

Reveal Solution

Discussion 1

#### Question #104

Topic 1

Which two internal SIP endpoints behind a firewall place calls to external devices? (Choose two.)

- A. An Expressway-C communicates with the internal endpoint and forwards the media to and from an Expressway-E.

B. A Cisco Endpoint is configured with a publicly routable static NAT SIP address to advertise instead of its private IP address.

C. An Expressway-C communicates directly with the remote party using the ICE protocol

D. An Expressway-E is used as a VPN server to allow remote SIP edge servers to connect calls

E. An Expressway-C rewrites the SIP SDP to advertise its own IP address to the external party.

Reveal Solution

Discussion 4

#### Question #105

Topic 1

Which mechanism does TLS use to validate identity?

A. server certificate

B. shared secret

C. username and a password

D. IP address of the peer

Reveal Solution

Discussion 2

#### Question #106

Topic 1

An engineer is investigating failing incoming calls that are expected to connect. The engineer notices that the failed calls all have a port number of 5060 at the end of the URI. The search rules are configured in a way that they do not expect a port to be included. Which configuration allows the routing of this call?

A. \* transform with a pattern string of `*(.*)@example.com(:5060)?`

\* replace a string of `\1@example.com`

B. \* search rule with a pattern string of `*(.*)@example.com(:5050)?`

\* replace a string of `\1\2@example.com`

C. search rule with a pattern string of `*(.*)@example.com(:5060)?`

\* replace a string of `\1@example.com`

- \* replace a string of \1@example.com\2
- D. \* transform with a pattern string of "(.\*)@example.com(:5060)?"
- \* replace a string of \1@example.com\2

Reveal Solution

Discussion 1

Question #107

Topic 1

**Edit Call Policy rule** You are here: Configuration > Call Policy > Edit Call Policy rule

**Edit Call Policy rule**

Source type	From address
Rule applies to	Unauthenticated callers
Source pattern	*
Destination pattern	* vip@cisco.com
Action	Reject

Refer to the exhibit. Call policy rules on an Expressway-E prevent external callers from the internet from calling a VIP whose URI is vip@cisco.com. Which additional configuration setting is required for this call policy to function as intended?

- A. The default zone on the Expressway-E must not be configured to treat as authenticated.
- B. A search rule must be configured with an extract match for vip@cisco.com to pass the call to the Expressway-C.
- C. The Cisco TelePresence endpoint registered with the URI vip@cisco.com must be set in "do not disturb" mode.
- D. SIP TLS must be disabled on the Expressway-E.

Reveal Solution

Discussion 1

Question #108

Topic 1

An engineer configures a Cisco Collaboration environment to use Mobile and Remote Access for external access for company users. The engineer uses OAuth with refresh on the Cisco UCM SIP lines for extra security and improved user experience. During the setup, Mobile and Remote Access does not work, it is enabled on the Cisco UCM and Cisco Expressways. SIP trunks on ports 5090 and 5091 are configured to avoid conflicts with other SIP trunks between internal Cisco UCM clusters. The traversal zone also uses port 6500. The traversal zone between Expressways shows no errors, and the requests hit Expressway-E from the Internet. What is the reason that the solution does not work?

- A. Mobile and Remote Access does not support OAuth with refresh with this configuration,
- B. The default port for Mobile and Remote Access is 6001. Therefore, the traversal port must be port 6001 for Mobile and Remote Access to work.
- C. The default port for Mobile and Remote Access is 6500, which creates a conflict with the existing traversal zone port.
- D. The default port for Mobile and Remote Access is 5091, which creates a conflict with the existing SIP trunks.

Reveal Solution

Discussion 4

Question #109

Topic 1

What is a benefit of Cisco Webex Messenger Cloud deployment?

- A. Cloud deployment is more secure than an on-premises deployment.
- B. There is no additional cost to use a cloud deployment.
- C. Cloud deployment allows interoperability between Cisco Jabber and Webex Teams users.
- D. Cloud deployment is faster than using an on-premises deployment.

Reveal Solution

Discussion 3

Question #110

Topic 1

Cisco Collaboration endpoints are exchanging encrypted signaling messages. What is one complication in implementing NAT ALG for voice and video devices?

- A. NAT ALG is not compatible with the H.323 signaling protocol.

- B. NAT ALG introduces latency in the media path.
- C. The NAT ALG cannot inspect the contents of encrypted signaling messages.
- D. NAT ALG requires the use of NAT reflection, which may not be supported on all firewalls.

[Reveal Solution](#)[Discussion](#) **1**

#### Question #111

Topic 1

How are Cisco Webex Video Mesh deployments supported?

- A. Video Mesh Dual NIC are supported in demilitarized deployments.
- B. Mixed Single NIC and Dual NIC are supported in the same data center deployments.
- C. Clustering Video Mesh Nodes over the WAN are supported if Round Trip Time is low.
- D. IPv6 and IPv4 deployments are supported for Video Mesh clusters.

[Reveal Solution](#)[Discussion](#) **2**

#### Question #112

Topic 1

An administrator is deploying Cisco Expressways for Mobile and Remote Access. The registration domain is "example.com", and the Expressway-E FQDN is "expe.example.com". Cisco Jabber clients on the internet cannot discover services via DNS lookup. Which SRV records must be configured in the public DNS to allow Service Discovery?

- A. \_collab-edge.\_tls.example.com
- B. \_cisco-uds\_tcp.expe.example.com
- C. \_cisco-uds\_tcp.example.com
- D. \_collab-edge\_tls.expe.example.com



[Reveal Solution](#)[Discussion](#) **1****Question #113***Topic 1*

How is the communication routed in a Hybrid deployment so that people on Cisco Cloud-Based IM are able to communicate with Cisco Jabber users in the on-premises environment?

- A. The Expressway-C enables a connection directly with the Cisco Webex Cloud to enable the hybrid service and allow the two services to communicate.
- B. The Expressway-E located in the DMZ establishes a connection with the Cisco Webex Cloud to enable the hybrid service and allow the two services to communicate.
- C. The Cisco Unified IM and Presence server establishes a connection using the outgoing path through the Cisco Expressways that terminates in the Cisco Webex Cloud to create the hybrid environment that links the two services together.
- D. The Cisco UC server establishes a connection using the outgoing path through the Cisco Expressways that terminates in the Cisco Webex Cloud to create the hybrid environment that links the two services together.

[Reveal Solution](#)[Discussion](#) **3****Question #114***Topic 1*

An engineer learns from an end user that calls from outside the company are not being received. Calls are being made to other businesses outside of the company on video using URL addresses. The change management log shows no changes in the configuration of the collaboration solutions. The engineer examines the endpoint, which seems to be registered to the Cisco UCM, and the SIP trunk between the Cisco UCM and sees that the Expressway is also up. In addition, the traversal link shows no errors between the Expressways. Which action must the engineer take to troubleshoot this issue?

- A. On the Cisco UCM, run the Real-Time Monitoring Tool to see if any incoming calls fail.
- B. On the Expressway-E, run diagnostic logging under maintenance to see if any requests reach the system.
- C. On the Expressway-E, check the NTP settings to ensure that TLS will be able to terminate. If the clock is out of sync, incoming calls from other working systems would work but not outgoing calls from the company.
- D. On the Expressway-C, run a network log under administrative tools to see if any requests reach the system.

[Reveal Solution](#)[Discussion](#) **1****Question #115***Topic 1*

Which protocol and port are used for signaling between on-premises Cisco Webex Video Mesh Nodes and Cloud Media Services?

- A. standard SIP over TCP port 5060
- B. signaling over HTTPS TCP port 443
- C. standard SIP TLS over TCP port 5061
- D. signaling over TCP port 444

[Reveal Solution](#)[Discussion](#) **8****Question #116***Topic 1*

An engineer is supporting an existing Cisco Collaboration deployment that has internal and external home users using the solution without VPN. Business usage also includes B2B calling for voice and video. Suddenly the engineer receives a report that one of the home office users cannot use the Cisco Jabber client, and shortly after, a few more reports come in for the same error. What must the engineer check first to resolve this issue?

- A. client logs of the users
- B. real-time monitoring toll logs for problems
- C. alarms on the Cisco Expressways
- D. alarms on the Cisco UCM Cluster

[Reveal Solution](#)[Discussion](#) **1****Question #117***Topic 1*

Which interworking option must be used on the Expressway for it to act as a SIP/H.323 gateway when no endpoint is registered?

- A. enabled
- B. registered only
- C. off
- D. on

Reveal Solution

Discussion 2

Question #118

Topic 1

```
XmppSDK.dll #0, 201, Recv:<iq id= 'uid:527a7fe7:00000cfe:00000000' type='error'><bind
xmlns='urn:ietf:params:xml:ns:xmpp-stanzas' /></error></iq>
XmppSDK.dll #0, CXmppClient::onResourceBindError
XmppSDK.dll #0, 39, CTriClient::HandleDisconnect, reason:16
```

Refer to the exhibit. An administrator troubleshoots Cisco Jabber users experiencing issues when trying to log in and notices errors in the Jabber problem report log. The administrator also sees that the Intercluster Sync Agent service is not running on the IMM and Presence server. Why is the Jabber client unable to sign in?

- A. The Xmp SDK.dll file is missing from the IM and Presence server
- B. The XMPP stanza is not using the correct ID for the Jabber client.
- C. The XMPP bind failed on the IM and Presence server
- D. The Jabber client refused the XMPP bind connection.

Reveal Solution

Discussion 3

Question #119

Topic 1

An administrator configures a secure SIP trunk in Cisco UCM to Expressway-C. The SIP trunk fails to become active, and an examination of a packet capture finds that the TLS handshake failed with a "Certificate Unknown" error from Cisco UCM. To allow the Cisco UCM to trust the Expressway-C and establish a TLS connection, the administrator will upload the Expressway server certificate to the trust store. To which trust store must the certificate be uploaded?

- A. tomcat-trust
- B. CallManager-trust
- C. TVS-trust
- D. ipsec-trust

Reveal Solution

Discussion 7

Question #120

Topic 1

An administrator is enabling Mobile and Remote Access login for the Cisco UCM registration domain cisco.com. Phones are registered with a Cisco UCM phone security profile name of securephone.cisco.com. Which two subject alternative names must be configured? (Choose two.)

- A. Securephone.cisco.com on the CallManager certificate
- B. cisco.com on the Expressway-C certificate
- C. Securephone.cisco.com on the Expressway-E certificate
- D. cisco.com on the Expressway-E certificate
- E. Securephone.cisco.com on the Expressway-C certificate

Reveal Solution

Discussion 1

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## Question #121

Topic 1

Cisco Expressways are being deployed for Mobile and Remote Access. The Expressway-E internal interface (LAN1) IP is 192.168.100.10/24, and the external interface (LAN2) IP is 172.16.100.10/24.

The Expressway-C IP is 192.168.20.10/24. The default gateway for each subnet is the first useable address. How must the Expressway-E be configured to allow proper routing to the internal and external networks?

- A. IPv4 gateway: 172.16.100.1, and a static route for the 192.168.100.0/24 subnet using LAN1
- B. IPv4 gateway: 192.168.100.1, and a static route for the 192.168.20.0/24 subnet using LAN1
- C. IPv4 gateway: 192.168.100.1, and a static route for the 172.16.100.0/24 subnet using LAN2
- D. IP v4 gateway: 172.16.100.1, and a static route for the 192.168.20.0/24 subnet using LAN1

Reveal Solution

Discussion 6

## Question #122

Topic 1

An administrator installs a new webserver (server1.example.com – 10.1.1.90) for storing Cisco Jabber update files to the network, but all Mobile and Remote Access registered clients still run the old Jabber software version, and the update fails. Which configuration task on an Expressway server solves the Jabber software update issue?

- A. Add a rule with the URL `http://server1.example.com:80/` to the outbound HTTP allow list manually to allow pushing the new software to the clients.
- B. Add a rule with the URL `http://server1.example.com:80/` to the inbound HTTP allow list manually to allow access to the new web server.
- C. Add a rule with the server IP address 10.1.1.90 in the URL to the inbound HTTP allow list because server names and FQDNs are not supported.
- D. Run an IM and Presence server discovery process on Expressway-C to add the new web server to the inbound HTTP allow list automatically.

Reveal Solution

Discussion 4

What is the first step to restoring an Expressway cluster from a backup?

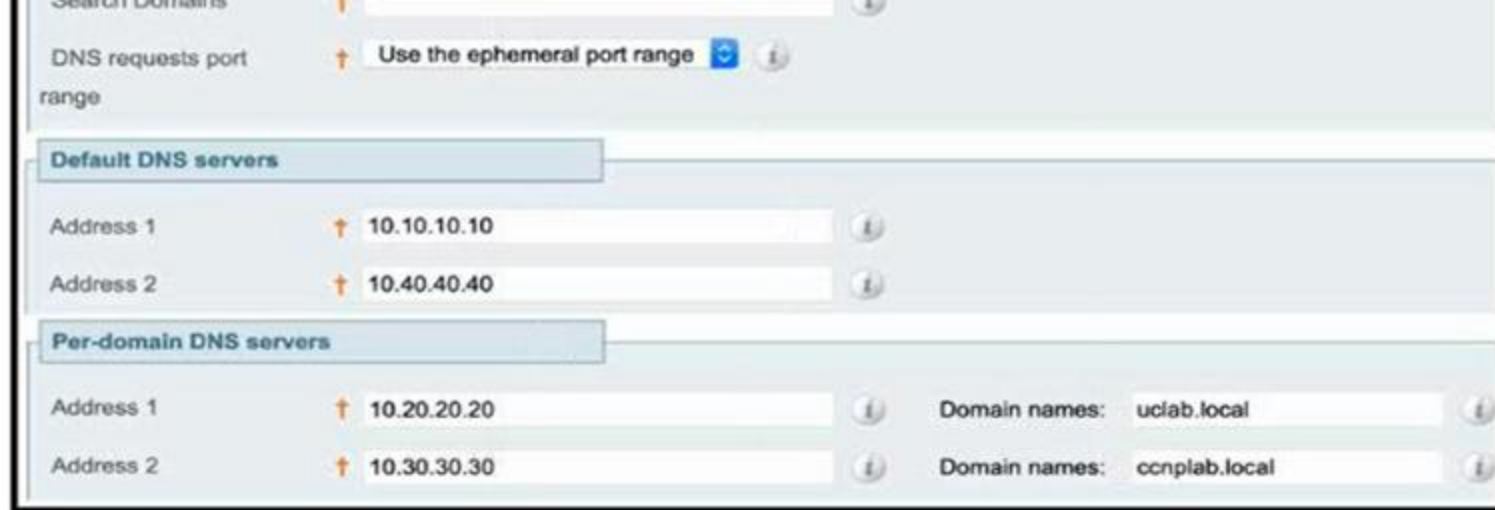
- A. use the backup that is specific to each Expressway peer in the cluster
- B. upgrade each Expressway peer to the latest Expressway software
- C. remove each Expressway peer from the cluster
- D. add all the Expressway peers to the cluster

[Reveal Solution](#)[Discussion](#) **1**

An engineer must configure Mobile and Remote Access. One of the requirements is to expect Cisco Jabber users to enter username@cisco.com as the login userid. Which DNS record must the engineer modify to start implementing this requirement?

- A. \_cuplogin.\_tcp.cisco.com
- B. \_collab-edge.\_tls.cisco.com
- C. \_cisco-uds.\_tls.cisco.com
- D. \_cisco-uds.\_tcp.cisco.com

[Reveal Solution](#)[Discussion](#) **1**



Refer to the exhibit. When Expressway-E routes a call with URI 4040@uclab.local to a DNS zone, which DNS server does the Expressway query for the SIP SRV records?

- A. 10.20.20.20
- B. 10.10.10.10
- C. 10.40.40.40
- D. 10.30.30.30

Reveal Solution

Discussion 1

Question #126

Topic 1

An administrator is configuring a new Cisco Webex Hybrid Message Service deployment, and the Expressway-C Message Connector is successfully registered in the Control Hub. After the server information of the IM and Presence server is added to the Expressway-C, an error "Connectivity to IM and Presence AXL Service could not be established" is displayed in the Control Hub. The Cisco AXL Web Service is enabled on the IM and Presence Service publisher, and the main administrator account enabled for AXL API permission is being used. Which configuration change must be made to resolve this error?

- A. Enable the Cisco AXL Web Service on the Control Hub
- B. Enable the Cisco AXL Web Service on the Expressway-C Message Connector
- C. Enable an End User account for AXL API permissions on the IM and Presence Service publisher
- D. Enable a second administrator account for AXL API permissions on the IM and Presence Service publisher

[Reveal Solution](#)[Discussion](#) **4****Question #127***Topic 1*

An employee has recently left an organization and a manager suspects that this employee may have made changes to the system that no one is aware of. Mobile and Remote Access registration is not working. Internal communications appear to be working, but no external system is able to register or call anywhere. While investigating this problem, it is discovered that no internal systems are able to call externally either. What is the TraversalZone missing that is causing this issue?

- A. SIP trunk to the DefaultZone
- B. route pattern to the DefaultZone
- C. link to the DefaultZone
- D. pipe to the DefaultZone

[Reveal Solution](#)[Discussion](#) **2****Question #128***Topic 1*

DRAG DROP

-

Drag and drop the required SAN field items from the left onto the features within the server categories on the right.

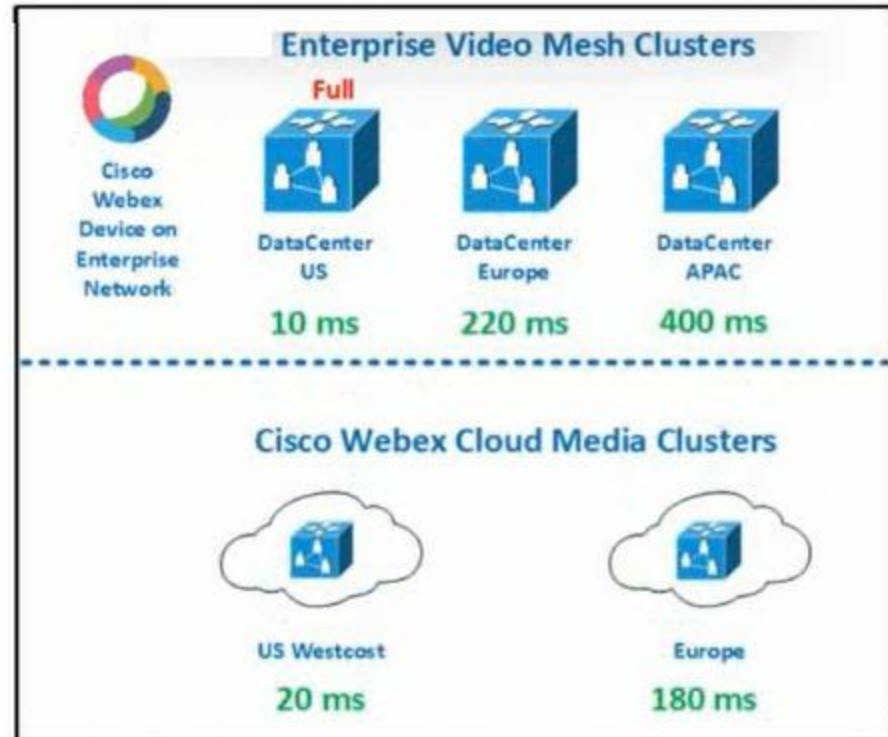
Expressway cluster name	Required only on Expressway-E
IM and Presence chat node aliases	
Cisco UCM registrations domains	Required only on Expressway-C
XMPP federation domains	
Cisco UCM phone security profile names	



[Reveal Solution](#)[Discussion](#) 3

Question #129

Topic 1



Refer to the exhibit. A Cisco Webex device on an enterprise network has identified the given STUN round-trip delays in milliseconds to the enterprise Video Mesh clusters and two Webex Cloud Media clusters during the call setup. Which correct sequence of clusters is the client connecting to?

- A. US West Coast WCMC. If US West Coast WCMC is full, then Europe WCMC because clients select clusters in the order of SRT delays.
- B. DC Europe. If DC Europe is full, DC APAC because clients select on-premises clusters in the order of SRT delays before using cloud resources,
- C. DC Europe. If DC Europe is full, US West Coast WCMC because clients select resources in the order of SRT delays but ignore SRTs greater than 250 ms
- D. US West Coast WCMC. Clients continuously monitor DC US cluster and reconnect when DC US are available to save bandwidth.

[Reveal Solution](#)[Discussion](#) 5

## Question #130

Topic 1

An engineer is deploying Mobile and Remote Access to allow external Cisco Jabber users to sign into a Cisco UCM cluster via Cisco Expressways. The users will sign-in in the format username@cisco.com. Contact photos for Jabber are hosted on a webserver with the FQDN of phonebook cisco.com. Which configuration must be completed to allow external Jabber users to see contact photos?

- A. An HTTP allow list entry must be made on the Expressway-E for phonebook cisco.com.
- B. A SIP allow list entry must be made on the Expressway-E for .\*@cisco.com.
- C. An HTTP allow list entry must be made on the Expressway-C for phonebook cisco.com.
- D. A SIP allow list entry must be made on the Expressway-C for .\*@cisco.com.

Reveal Solution

Discussion 3

## Question #131

Topic 1

DRAG DROP

-

Drag and drop the services from the left onto their descriptions on the right. Some services are used more than once.

STUN	Clients use this protocol to obtain an IP address and port from a server.
ICE	Clients send requests to a server. The server responds with a packet, which contains client public source IP address and port in the payload.
TURN	Clients try to communicate to different candidate transport addresses of other clients to find a path they can use to exchange media.
	The service is a framework to interconnect clients behind different NAT devices.

[Reveal Solution](#)[Discussion](#) 5**Question #132***Topic 1*

An engineer must configure the zone to connect to an Expressway-E using Single NIC with NAT. The internal IP address is 192.168.10.63, and the NAT address is 203.0.113.5. What must the engineer configure on the Expressway-C to meet this requirement?

- A. traversal zone with the peer address 192.168.10.63
- B. neighbor zone with the peer address 192.168.10.63
- C. traversal zone with the peer address of 203.0.113.5
- D. neighbor zone with the peer address of 203.0.113.5

[Reveal Solution](#)[Discussion](#) 3**Question #133***Topic 1*

Cisco Collaboration deployment has video endpoints that can do B2B calls over the internet, but they also can make audio calls through a gateway. This ability means that someone from the internet can make fraud calls through the system. Which action must an engineer take to set up the search rules for calls that are being headed to the PSTN gateway?

- A. Ensure that only requests that are authenticated are allowed to make a PSTN call.
- B. Avoid using any wild card in the source settings in the search rules.
- C. Add registered devices only in the search rule for the PSTN gateway.
- D. Add registered devices only in the zone for the PSTN gateway.

[Reveal Solution](#)[Discussion](#) 6**Question #134***Topic 1*

Which commands disable SIP Inspection on the Cisco ASA FirePOWER firewall?

- A. hostname#no inspect sip
- B. hostname(config)#policy-map global\_policy  
hostname(config-pmap)#class-map inspection default  
hostname(config-pmap)#no inspect\_sip
- C. hostname(config)#no inspect\_sip
- D. hostname(config)#policy-map global\_policy  
hostname(config-pmap)#class-map inspection\_default  
hostname(config-pmap)#no inspect sip

Reveal Solution

Discussion 2

Question #135

Topic 1

Which dial plan settings can be used to set up different regulations according to the protocol (SIP or H.323) or the source of the query?

- A. presearch transforms
- B. search rules
- C. call policy
- D. policy services

Reveal Solution

Discussion 1

Question #136

Topic 1

When external video endpoints are called via a DNS zone, which dialing method requires DNS to be configured in the Expressway server?

- A. IP dialing

B. URI dialing

C. DN dialing

D. E.164

Reveal Solution

Discussion 1

#### Question #137

Topic 1

A company has a single Expressway-E that exhibits high resource utilization. An engineer checks the logs and finds numerous fraudulent attempts from sip:200@cisco.com. Where must the engineer go to configure a call policy rule and block the desired URI?

A. Call History Configuration > Call Policy > Rules

B. Configuration > Call History > Policy > Rules

C. Configuration > Call Policy > Rules

D. Configuration > Policy > Inbound > Rules

Reveal Solution

Discussion 1

#### Question #138

Topic 1

How do the Cisco Expressway-C and Expressway-E servers transmit media to each other?

A. RTP and RTCP are multiplexed for all internal and external video endpoints across the traversal link using UDP.

B. When the Expressway-C receives RTP and RTCP media, it establishes a new UDP socket with the Expressway-E.

C. RTP and RTCP are multiplexed for all internal and external video endpoints across the traversal link using TLS.

D. When the Expressway-E receives RTP and RTCP media, it establishes a new UDP socket with the Expressway-C.

Reveal Solution

Discussion 4

An engineer must enable the communication between two separate Expressway-C servers to allow inbound and outbound calling between different endpoints registered on each server. Which configuration must happen?

- A. Configure a traversal zone on each server with a destination of the other Expressway-C.
- B. Configure a neighbor zone on each server with a destination of the other Expressway-C.
- C. Configure a transform on each server to strip the port numbers at the end of the alias.
- D. Configure a transform on each server to convert the calling alias into the called alias.

[Reveal Solution](#)[Discussion](#) **3**

A video device registered with Cisco UCM failed to make an outbound B2B call. From Expressway-C diagnostic logs, an engineer found that the destination pattern is "john@example.com:5061", and the call was dropped with a 404 response code from Expressway-C. The search rule intended for this call-in Expressway-C is configured for Alias Pattern Match, Pattern type "Suffix," and Pattern "example.com". How must the configuration be changed to allow the call?

- A. Update the route pattern in Cisco UCM to send calls to "example.com" to the correct port.
- B. Create a transform on Expressway-C to strip port numbers.
- C. Create a call policy rule on Expressway-E to allow calls to port 5061.
- D. Update the call policy list in Expressway-C to allow calls to "example.com".

[Reveal Solution](#)[Discussion](#) **2**[← Previous Questions](#)[Next Questions →](#)

## Question #141

Topic 1

Which type of interface is required when the Cisco Expressway-E is located in a DMZ between two separate firewalls on separate network segments?

- A. dual network interface
- B. application programming interface
- C. command line interface
- D. single network interface

[Reveal Solution](#)[Discussion](#) **1**

## Question #142

Topic 1

What is a description of an Interactive Connectivity Establishment?

- A. It is used by B2BUA to keep the firewall ports opened for inbound/outbound calls.
- B. It allows Mobile and Remote Access endpoints to connect video calls signaling peer-to-peer.
- C. It allows calling external endpoints with reduced overhead under VPN connections.
- D. It is used to find the best media path between network elements in traversal calls.

[Reveal Solution](#)[Discussion](#) **2**

## Question #143

Topic 1

An administrator must configure the DNS SRV records for Mobile and Remote Access for a company with the domain example.com, the Expressway-E FQDN is ExpE.example.com, and the Expressway-C FQDN is Exp-C.example.com. What must the administrator configure to allow external clients to discover the Expressway-E server?

- A. SRV record \_collab-edge.\_tls.example.com that resolves to ExpE.example.com on port 8443
- B. SRV record \_cisco-uds.\_tcp.example.com that resolves to ExpE.example.com on port 5061
- C. SRV record \_cisco-uds.\_tcp.example.com that resolves to ExpC.example.com on port 8443
- D. SRV record \_collab-edge.\_tls.example.com that resolves to ExpE.example.com on port 5061

Reveal Solution

Discussion 2

Question #144

Topic 1

Within which cache timeline do the Webex App endpoints perform a STUN test to calculate round-trip delay time to available media node clusters?

- A. 1 hour
- B. 2 hours
- C. 4 hours
- D. 6 hours

Reveal Solution

Discussion 4

Question #145

Topic 1

A company has an on-premises Cisco collaboration cluster that contains Cisco UCM, IM and Presence, and Cisco Webex in the cloud. The company wants to integrate the



on-premises infrastructure with Webex to enable interoperability with the Webex App. An engineer already configured the cluster in Cisco UCM, IM and Presence, and the organization in the Webex Control Hub. Which action must the engineer take to complete the configuration?

- A. Deploy Directory Connector.
- B. Open the TCP 443 port from IM and Presence to Webex Cloud.
- C. Deploy a Webex Device Connector.
- D. Deploy a Cisco Expressway Message Connector host.

[Reveal Solution](#)

[Discussion](#) **8**

Question #146

Topic 1

Which action is required when using Cisco Jabber for Cloud with Cisco Webex Messenger?

- A. Configure, extend, and connect.
- B. Configure policies.
- C. Configure service discovery for remote access.
- D. Configure desk phone control.

[Reveal Solution](#)

[Discussion](#) **2**

Question #147

Topic 1

During the deployment of a Cisco Webex Video Mesh, where do on-premises SIP endpoints send signaling?

- A. On-premises endpoints cannot participate in Cisco Webex Video Mesh

- B. to the cloud
- C. to the switching services
- D. to the call control environment (Unified CM or Expressway)

Reveal Solution

Discussion 1

Question #148

Topic 1

A company is implementing Cisco Webex but has existing legacy Cisco video endpoint registered on-premises. The administrator of Webex wants the SIP address of these rooms to appear in the directory listing on Webex registered endpoints and in the Webex App. How can this be configured?


- A. Using the Directory Connector, room resources without Webex licenses can be synchronized with Webex to make the SIP address appear in the phonebook of the Webex App or the endpoint.
- B. Using the Directory Connector, room resources with flex licenses only can be synchronized with Webex to make the room appear in the phonebook of the Webex App or the endpoint. SIP address is then entered from Control Hub because it will not match the field.
- C. Using the Directory Connector, room resources with flex licenses only can be synchronized with Webex to make the SIP address appear in the phonebook of the Webex App or the endpoint.
- D. Using the Directory Connector, room resources without Webex licenses can be synchronized with Webex to make the room appear in the phonebook of the Webex App or the endpoint. SIP address is then entered from Control Hub because it will not match the field.

Reveal Solution

Discussion 1

Question #149

Topic 1

Name	Type	Data
 _cisco-uds	Service Location(SRV)	[0][0][8443] cucm-pub.cll-collab.internal. [0][0][8443]WIN.SERVERS.cll-collab.int

_gc	Service Location(SRV)	[0][100][3268] WIN-SERVER01.cll-collab.internal.
_h323cs	Service Location(SRV)	[0][0][1720] expc-pub.cll-collab.internal.
_kerberos	Service Location(SRV)	[0][100][8] WIN-SERVER01.cll-collab.internal.
_kpasswd	Service Location(SRV)	[0][100][464] WIN-SERVER01.cll-collab.internal.
_ldap	Service Location(SRV)	[0][100][389] WIN-SERVER01.cll-collab.internal.
_sip	Service Location(SRV)	[0][0][5060] expc-pub.cll-collab.internal.
_sips	Service Location(SRV)	[0][0][5061] expc-pub.cll-collab.internal.
_xmpp-client	Service Location(SRV)	[0][0][5222] cms.cll-collab.internal.

Refer to the exhibit. When a user tries to sign in to the Cisco Jabber client through Mobile and Remote Access, they receive this error message: "Cannot communicate with the server." The external DNS server is configured with the SRV records listed in the exhibit.

What is the cause of the issue?

- A. The \_sips DNS record must target expE-pub.cll-collab.internal and the \_cisco-uds DNS record must be removed.
- B. The collab-edge DNS record must be added to the DNS server and the \_cisco-uds DNS record must be removed.
- C. A Cisco CSF device must be configured in UC for the user and the \_cisco-uds DNS record must be removed.
- D. The HTTP allow list is not allowing communication with the Instant Message and Presence server.

Reveal Solution

Discussion

Question #150

Topic 1

What are the steps to access the Service Setup Wizard during the first setup of the Expressway server to license the server?

- A. Factory reset the Expressway server to pass from Smart Licensing to PAK-based licensing.
- B. From the GUI of the Expressway server, go to Status> Overview> Run service setup.
- C. Factory reset the Expressway server to pass from Expressway-C to Expressway-E.
- D. From the GUI of the Expressway server, go to Maintenance> Option keys> First Setup Wizard.

[Reveal Solution](#)[Discussion](#) **2****Question #151***Topic 1*

What is the last step for domain management in Cisco Webex Control Hub if an engineer adds users already signed in with the company domain?

- A. Publish a domain.
- B. Add a domain.
- C. Verify a domain.
- D. Claim a domain.

[Reveal Solution](#)[Discussion](#) **1****Question #152***Topic 1*

Which user management method uses the Webex Directory Connector to add and synchronize users to the Control Hub organization?

- A. Synchronize from Active Directory.
- B. Synchronize from Azure AD.
- C. Synchronize from "Add using People API".
- D. Synchronize from Okta.

[Reveal Solution](#)[Discussion](#) **1**

An engineer attempts to upload a server certificate to an Expressway-C server but receives an error when they click the upload button that says that the file is invalid. The engineer is advised that this happens because the certificate was signed incorrectly and is missing an attribute. What must the engineer do to upload the certificate?

- A. Create a certificate request via Certificate Services Web Page and ensure that the certificate validity period is five years because the Expressway server validates this during certificate import.
- B. Create a certificate request via the Certificate Services Web Page and ensure that the Subject Common Name field contains the server FQDN and all Cisco Unified CM phone security profile names.
- C. Create a new certificate template with "Server authentication" and "Client authentication" enabled and use this template when signing the Expressway server certificate.
- D. Create a new certificate template with the certificate attribute "Allow private key to be exported" enabled and use this template when signing the Expressway server certificate.

[Reveal Solution](#)[Discussion](#) **1**

A Webex administrator is configuring the Webex Control Hub to enable enterprise users to sign into Webex securely by authenticating to the IdP of the organization. To conform to the SAML specification, to what can the NameID format be set?

- A. urn:oasis:names:tc:SAML:2.0:nameid-format:unspecified
- B. urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress
- C. urn:oasis:names:tc:SAML:2.0:nameid-format:transient
- D. urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress

[Reveal Solution](#)[Discussion](#) **2**

Question #155

Topic 1

What is the default DSCP value for video traffic that is routed through an Expressway server?

- A. 36
- B. 24
- C. 0
- D. 34

Reveal Solution

Discussion 2

Question #156

Topic 1

An administrator deployed the directory connector to synchronize the on-premises Active Directory with the Webex cloud and needs to map attributes from the AD to the corresponding attributes in the cloud. To which Webex cloud attribute must the user Account Control attribute be mapped to ensure that users are synced properly?

- A. givenName
- B. ds-pwp-account-disabled
- C. SipAddresses:type=enterprise
- D. displayName

Reveal Solution

Discussion 2

Question #157

Topic 1

What is the result if force encryption for media is enabled in the Expressway on a zone that points to a system/endpoint that is not configured for encryption?

- A. The call is dropped.
- B. The call works with one end only sending encrypted media.
- C. The call renegotiates for unencrypted media.
- D. The call uses encryption if available, or it falls back to unencrypted media.

[Reveal Solution](#)

[Discussion](#) **1**

Question #158

Topic 1

A Webex engineer is configuring SSO in Control Hub with Active Directory Federation Services. The engineer wants to authenticate users for all the applications that they are given rights to. The engineer also wants to eliminate further prompts when users switch applications during a particular session. Which action tells ADFS the fields to map to Webex to identify a user?

- A. Send LDAP attributes as claims.
- B. Create claim rules for Webex authentication
- C. Add a relying party trust to the ADFS.
- D. Map the E-mail-addresses LDAP attribute to the uid outgoing claim type.

[Reveal Solution](#)

[Discussion](#) **1**

Question #159

Topic 1

What is the name of the Webex core service that delivers group messaging, one-to-one messaging, presence, and file sharing?

- A. Cisco Webex Messaging
- B. Cisco Webex App
- C. Cisco Webex ONE
- D. Cisco Jabber Online

[Reveal Solution](#)[Discussion](#) **2****Question #160***Topic 1*

An Expressway pairs deployed for Mobile and Remote Access. An administrator installs a new server certificate on the Expressway-E. After installing the new certificate, the UC Traversal zone between Expressway-C and Expressway-E is active. Still, Jabber Mobile and Remote Access clients cannot log in over the Expressway. The certificate Common Name is the FQDN of Expressway-E, "expe01.example.com", and the certificate contains no additional names. Which Subject Alternate Name must be added to the certificate to allow Jabber Mobile and Remote Access clients to log in successfully?

- A. FQDN of the Expressway-C, "expc01.example.local"
- B. registration domain, "example.com" or "collab-edge.example.com"
- C. Cisco UCM cluster FQDN, "cucmcluster.example.local"
- D. FQDN of the Expressway-E, "expe01.example.com"

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326

An administrator made changes to a directory connector for Webex AD synchronization. The number of users synchronized is quite large and the change should affect only a limited number of users. How can the administrator check the result before executing the synchronization?

Only a limited number of users. How can the administrator check the result before executing the synchronization?

A. Initiate an incremental synchronization from the Director Connector app on the on-premises Windows server because it will ask to save the changes.

	<p>A. Initiate an incremental synchronization from the Director Connector app on the on-premises Windows server because it will ask to save the changes.</p> <p>B. Initiate a dry run of an incremental synchronization from the Director Connector app on the on-premises Windows server.</p>
--	--

C. Initiate a dry run of an incremental synchronization from the Director Connector in Control Hub.

D. Initiate an incremental synchronization from the Director Connector in Control Hub because it will ask to save changes.

[Reveal Solution](#)

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