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CERTIFICATION EXAM SUPPORT

EXAM PREPARATION MATERIAL

Practice files designed to help you understand exam patterns, question styles and the overall assessment format.

IMPORTANT NOTE

> **Please note that these files may not be up to date. However, the questions will help you understand the exam format and typical question patterns.**

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Question: 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.

Answer: B

Explanation:

The error message "XCP_JABBERD Detail='Unable to connect to host '%IP%', port 7400:(111) Connection refused'" indicates that the Expressway-C is unable to establish a connection with the Expressway-E on port 7400, which is used for the Extensible Communications Platform (XCP) session required for Jabber's Mobile and Remote Access (MRA) functionality. This issue is commonly associated with network or configuration problems on the Expressway-E.

According to Cisco documentation, the primary cause of this error is that the Expressway-E is listening for the XCP session on the wrong network interface, which causes the connection to fail or timeout. The Expressway-E listens on TCP port 7400 for the XCP session, and this can be verified using the netstat command from the VCS as root. If the Expressway-E is configured with an incorrect network interface (e.g., due to a single NIC configuration or misconfigured Advanced Networking Option), the XCP session cannot be established, resulting in the "Connection refused" error.

Option A (Rich Media Session licenses are not activated on Expressway-E): This is incorrect because Rich Media Session licenses are related to call control for media sessions (e.g., SIP or H.323 calls) and not directly to the XCP session used for Jabber's MRA functionality. The error specifically points to a connection issue on port 7400, not a licensing problem.

Option B (Expressway-E is listening on the wrong IP interface): This is the correct answer. As per Cisco's troubleshooting guide, the Expressway-E may listen on an incorrect network interface, especially in scenarios where the Advanced Networking Option is enabled or a single NIC is used. This misconfiguration prevents the Expressway-C from connecting to the Expressway-E on port 7400, leading to the connection refusal.

Option C (The destination port for Expressway-E is set to 7400 instead of 8443 on the Expressway-C): This is incorrect because port 7400 is the correct port for the XCP session between Expressway-C and Expressway-E in MRA deployments. Port 8443 is used for HTTPS traffic (e.g., configuration downloads or UDS queries), not for XCP. The error indicates a connection issue on port 7400, not a misconfigured port.

Option D (The XCP Service is not activated on Expressway-E): This is unlikely because if the XCP service were not activated, the error might indicate a service failure or unavailability rather than a "Connection refused" error, which specifically points to a network-level issue. Additionally, the XCP service is typically enabled by default for MRA functionality.

Exact Extract from Cisco Documentation:

"The reason this is a problem is because Expressway-E listens for the XCP session on the wrong network

interface, which causes the connection to fail/timeout. Expressway-E listens on TCP port 7400 for the XCP session. You can verify this if you use the netstat command from the VCS as root. If Expressway-E Network Interface Controller (NIC) is incorrectly configured, this can cause the Extensible Communications Platform (XCP) server to not be updated. If Expressway-E meets these criteria, then you will probably encounter this issue: Uses a single NIC. Advanced Networking Option Key is installed."
Source: Cisco Document - Resolve Collaboration Edge Most Common Issues, Published 2024-09-03. Additional Notes: To resolve this issue, ensure that the Expressway-E is configured to listen on the correct network interface for the XCP session. This may involve checking the NIC configuration, disabling the Advanced Networking Option if not needed, or verifying firewall rules to ensure that traffic on port 7400 is allowed between Expressway-C and Expressway-E. Additionally, confirm that the DNS and SRV records (_collab-edge) are correctly configured to resolve to the Expressway-E's proper interface.

Reference:
Cisco Document: Resolve Collaboration Edge Most Common Issues, Published 2024-09-03. CCNP Collaboration Cloud and Edge Solutions CLCEI 300-820 Official Cert Guide, Cisco Press, Published 2021-11-24, Chapter on Mobile and Remote Access Configuration.
Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) v1.0 Course, Section on Troubleshooting MRA Issues.

Question: 2

Refer to the exhibit.

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

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

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

Answer: B

Explanation:

Question: 3

What it 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.

Answer: B

Explanation:

Question: 4

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

Answer: C

Explanation:

Question: 5

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

Answer: D

Explanation:

Question: 6

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

Answer: C

Explanation:

Question: 7

Refer to the exhibit.

Module="network.Idap" Level="INFO": Details"Authentication credential found in directory for identity: expresswayturn"

Modu 1 e=" deve 1 ope r.nomodu1e" Leve1="WARN" CodeLocation="ppcmains/sip/sipproxy/ SipProxyAuthentication.cpp(686)" Method="SipProxyAuthentication:: checkDigestSAResponse" Thread="0x7a2485cb0700": calculated response does not match supplied response, calculatedResponse=769c8f488b71eebdf28b61abldc9f5e9, response=319a0bb365dccf98clbb7b3ce350f6cc

Event="Authenticaticn Failed" Service="SIP" Src-ip="10.1.1.161" Src-port="25713" Detail="Incorrect authentication credential for user" Protocol="TLS" Method="OPTIONS" Level="l"

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.

Answer: C

Explanation:

Question: 8

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.

Answer: BD

Explanation:

Question: 9

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

Answer: A

Explanation:

Question: 10

Refer to the exhibit.

Edit transform

j Configuration

Priority • 1

Description CCNPCollab i

Pattern type Regex ▼

Pattern string	*	([A0-7])(\d{3.5})
Pattern behavior		Replace ▼ I.
Replace string		\1\2 (%ccnpcollab.com y
State		Enabled » if

Save Delete Cancel

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

Answer: C

Explanation:

Question: 11

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.

Answer: D

Explanation:

Question: 12

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

Answer: C

Explanation:

Question: 13

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 United CM to the Cisco Webex Cloud.

D. Add Cisco Unity Connection to Expressway-E.

Answer: A

Explanation:

Question: 14

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

Answer: D

Explanation:

Question: 15

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

Answer: A

Explanation:

Question: 16

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

Answer: B

Explanation:

Question: 17

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

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

Answer: A

Explanation:

Question: 18

Which describes what could 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.

Answer: C

Explanation:

Question: 19

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

Answer: A

Explanation:

Question: 20

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.

Answer: A

Explanation:

Question: 21

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

Answer: A

Explanation:

Question: 22

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

Answer: C

Explanation:

Question: 23

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.

Answer: B

Explanation:

Question: 24

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

Answer: AB

Explanation:

Question: 25

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.

Answer: BD

Explanation:

Question: 26

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.

Answer: A

Explanation:

Question: 27

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

Answer: A

Explanation:

Question: 28

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.

Answer: B

Explanation:

Question: 29

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.

Answer: B

Explanation:

Question: 30

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

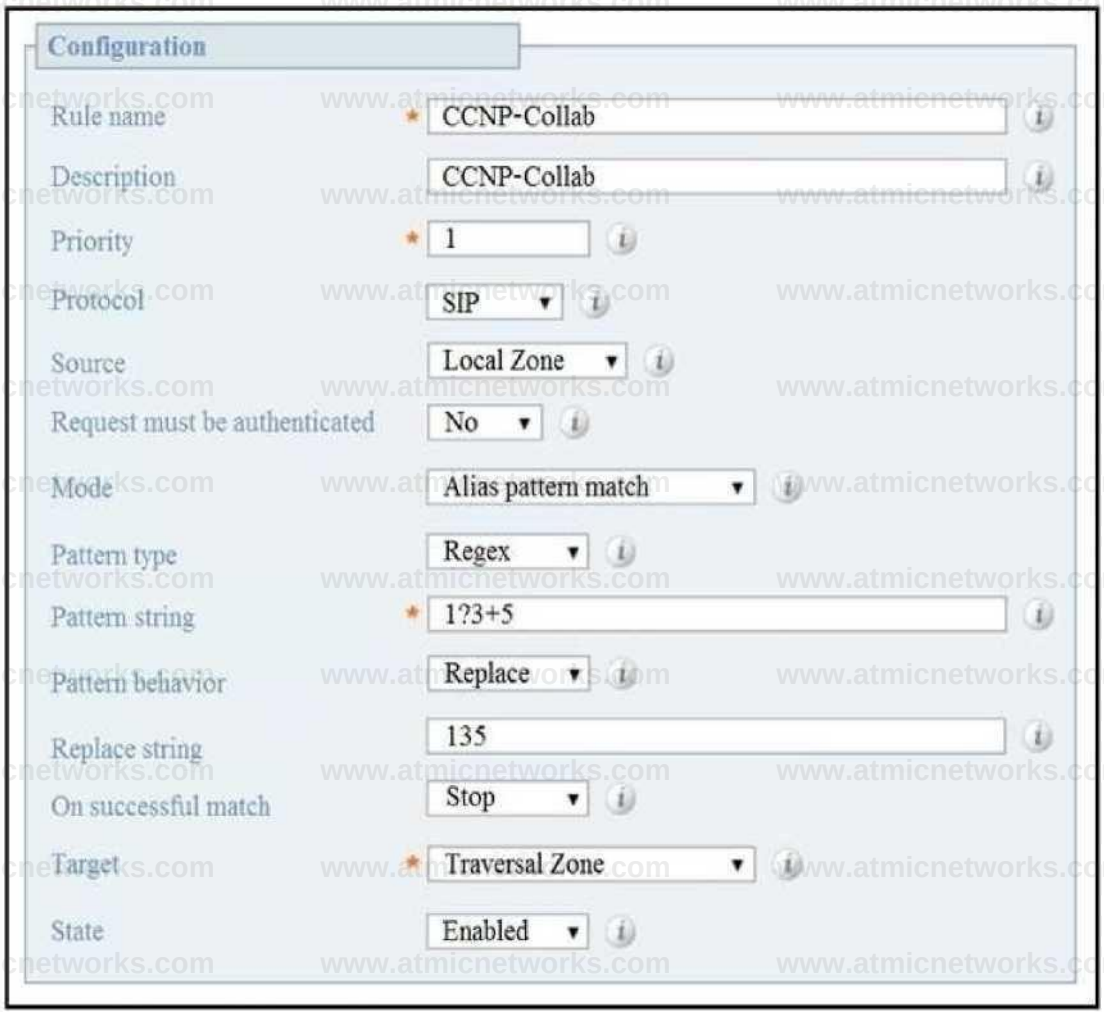
A. The MRA license is missing on the Expressway-E.
B. The Unified Communications zone is down.
C. Transform is not configured on Expressway-E.
D. The SRV record for _cisco-uds is misconfigured.
E. The firewall is blocking the port.

Answer: BE

Explanation:

Question: 31

Refer to the exhibit.



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

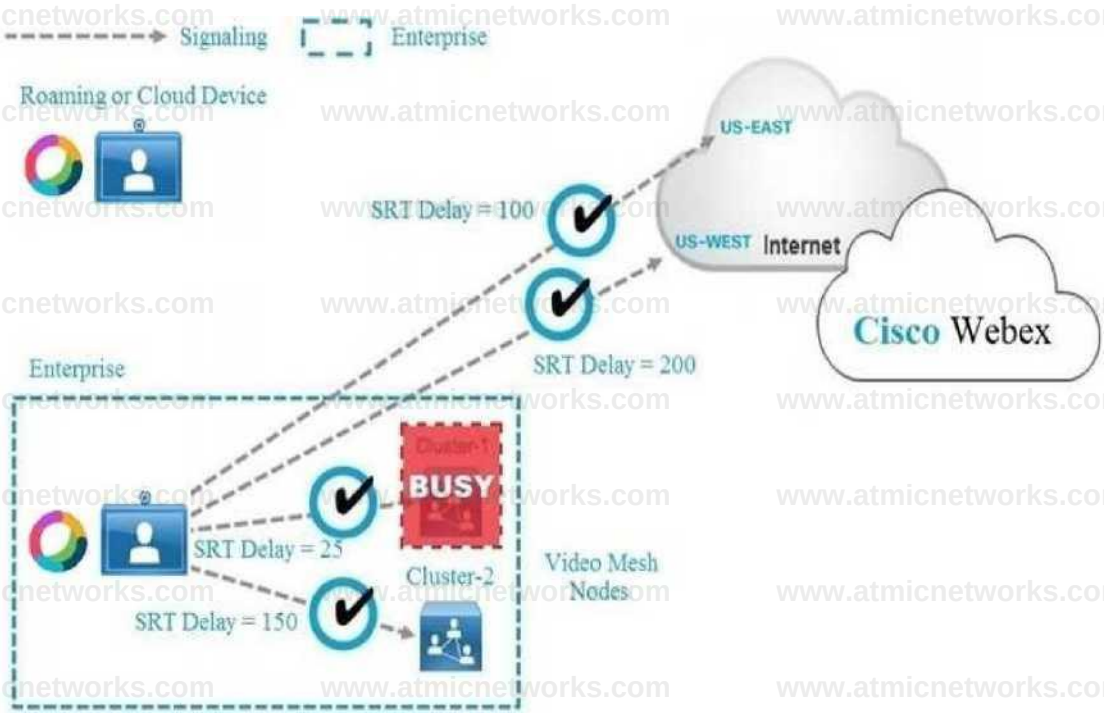
A. 13358 is replaced by 135, and then is sent to the local zone.
B. 13358 is replaced by 135 and remains in the same zone.
C. 13358 is replaced by 135, and then is sent to the traversal zone.
D. 13358 is sent directly to the traversal zone.

Answer: C

Explanation:

Question: 32

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?

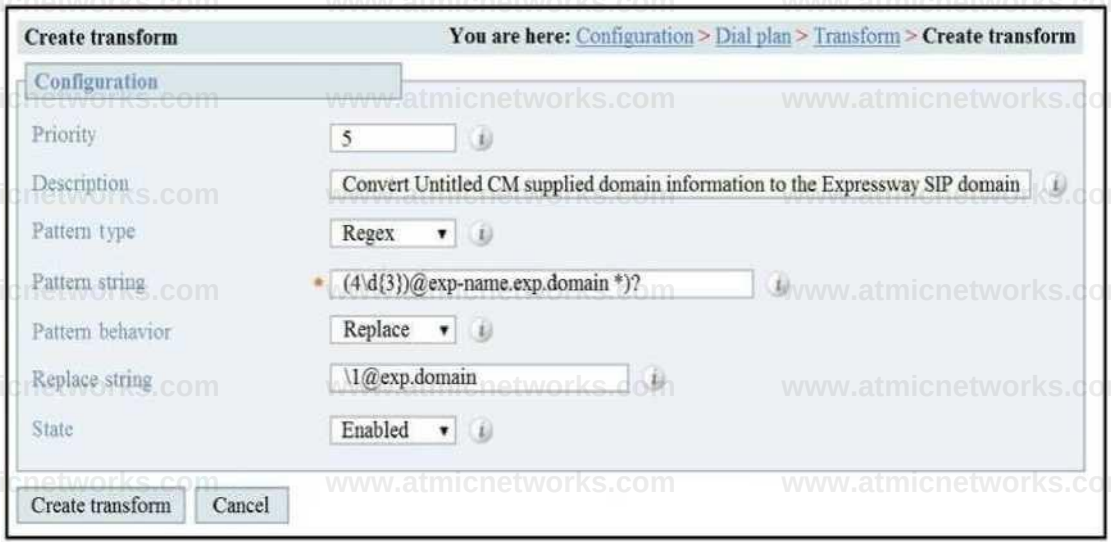
A. Both Cloud Node US-EAST and US-WEST
B. Video Mesh Cluster-2
C. Cloud Node US-EAST
D. Cloud Node US-WEST

Answer: B

Explanation:

Question: 33

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

Answer: A

Explanation:

Question: 34

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

Answer: D

Explanation:

Question: 35

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.

Answer: D

Explanation:

Question: 36

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.

Answer: C

Explanation:

Question: 37

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

Answer: AC

Explanation:

Question: 38

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.

Answer: AE

Explanation:

Question: 39

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

Answer: D

Explanation:

Question: 40

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

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

Answer: C

Explanation:

Question: 41

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

Answer: C

Explanation:

Question: 42

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.

Answer: D

Explanation:

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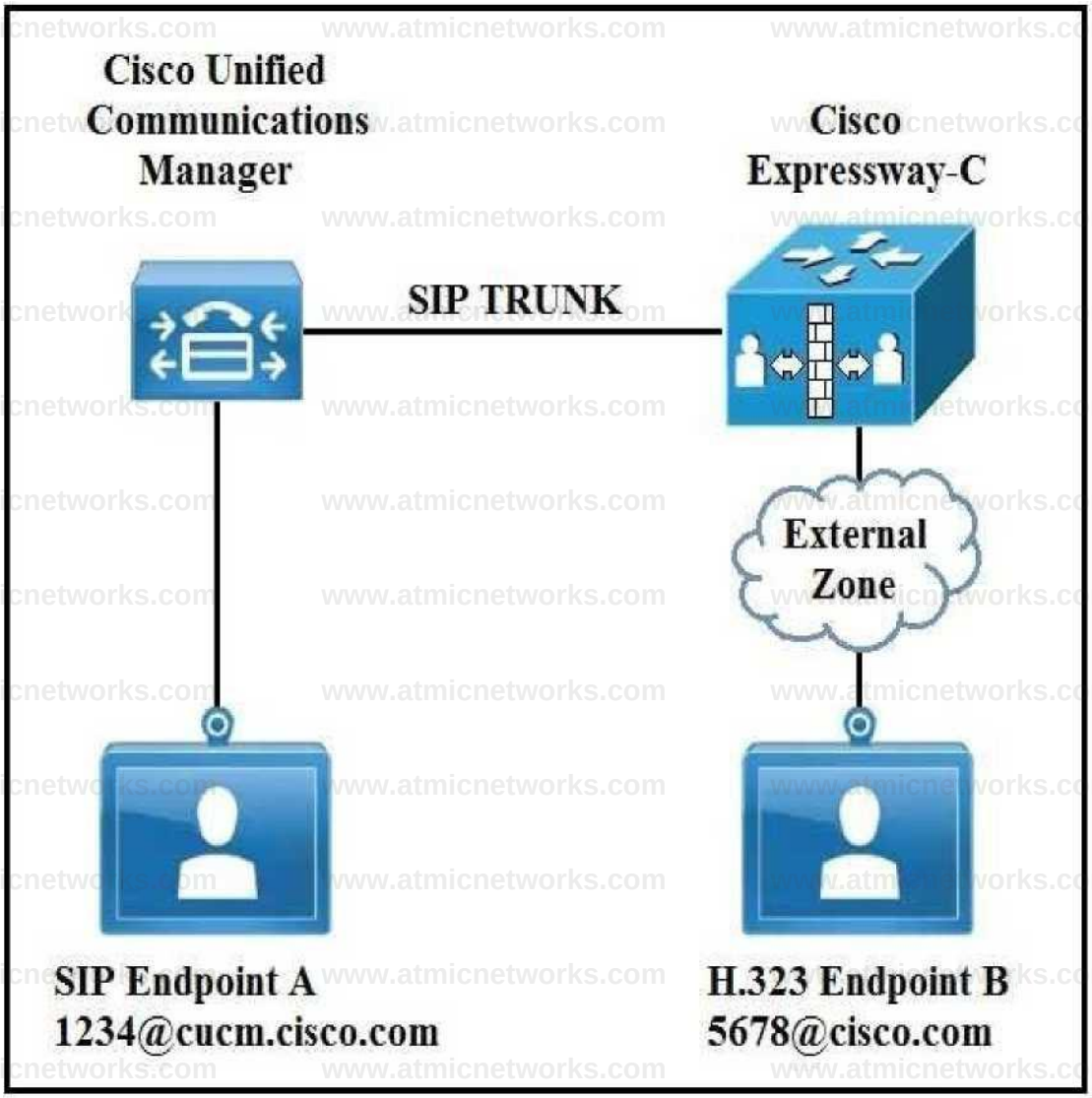
Question: 43

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.

Answer: D

Explanation:

Question: 44

Refer to the exhibit.

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

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

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

Answer: CE

Explanation:

Question: 45

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.

Answer: D

Explanation:

Question: 46

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

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Answer: AC

Explanation:

Question: 47

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.

Answer: C

Explanation:

Question: 48

Refer to the exhibit.

	Expressway-E
Rule name	Enter Block ISDN call for example
Description	Enter Block everything (including nonregistered endpoints)
Priority	Enter 41
Protocol	*Ai tv*
Source	
Request must be authenticated	*No*
Mode	*Alias pattern match*
Pattern type	*Regex*
Pattern string	Enter (9\d+) (.*) (@example.com)
Pattern behavior	*Replace*
Replace string	Enter do—not—route—this—cal 1 for example
On successful match	*Stop*
Target	*TraversalZone*
State	*Enabled*

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

Answer: B

Explanation:

Question: 49

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?

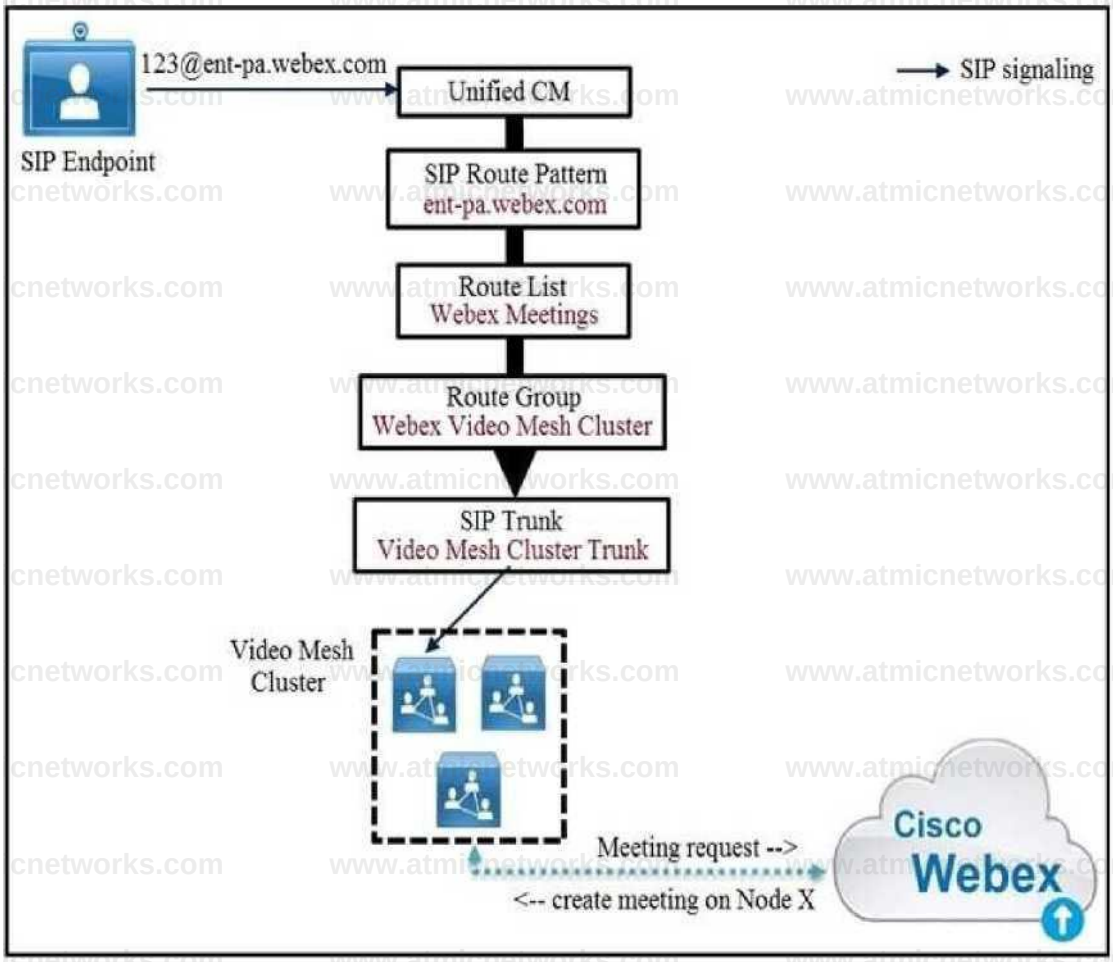
A. link to the DefaultZone
B. pipe to the DefaultZone
C. SIP trunk to the DefaultZone
D. route pattern to the DefaultZone

Answer: A

Explanation:

Question: 50

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.

Answer: A

Explanation:

Question: 51

Refer to the exhibit.

```
C:\U3ers\Admini3trator>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
```

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.

Answer: C

Explanation:

Question: 52

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.

Answer: A

Explanation:

Question: 53

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.

Answer: A

Explanation:

Question: 54

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

Answer: B

Explanation:

Question: 55

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.

Answer: D

Explanation:

Question: 56

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.

Answer: C

Explanation:

Question: 57

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>

Answer: C

Explanation:

Question: 58

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.

Answer: A

Explanation:

Question: 59

Refer to the exhibit.

```
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=’1 Outbound TLS Negotiation Error" Servi«="SIP" Src-ip=" 192.168.1.5" Src-port="27204"
Dst-ip=”192.168.1.6" Dst-port="7003" Detail="tlsvl alert unknown ca”
Protocol-TLS" Common-name="amer-express wayO 1 .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: $ha256WithKSAEncnption
      Issuer: ©^Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4. OU=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4.
      CN-Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4
```

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.

Answer: C

Explanation:

Question: 60

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

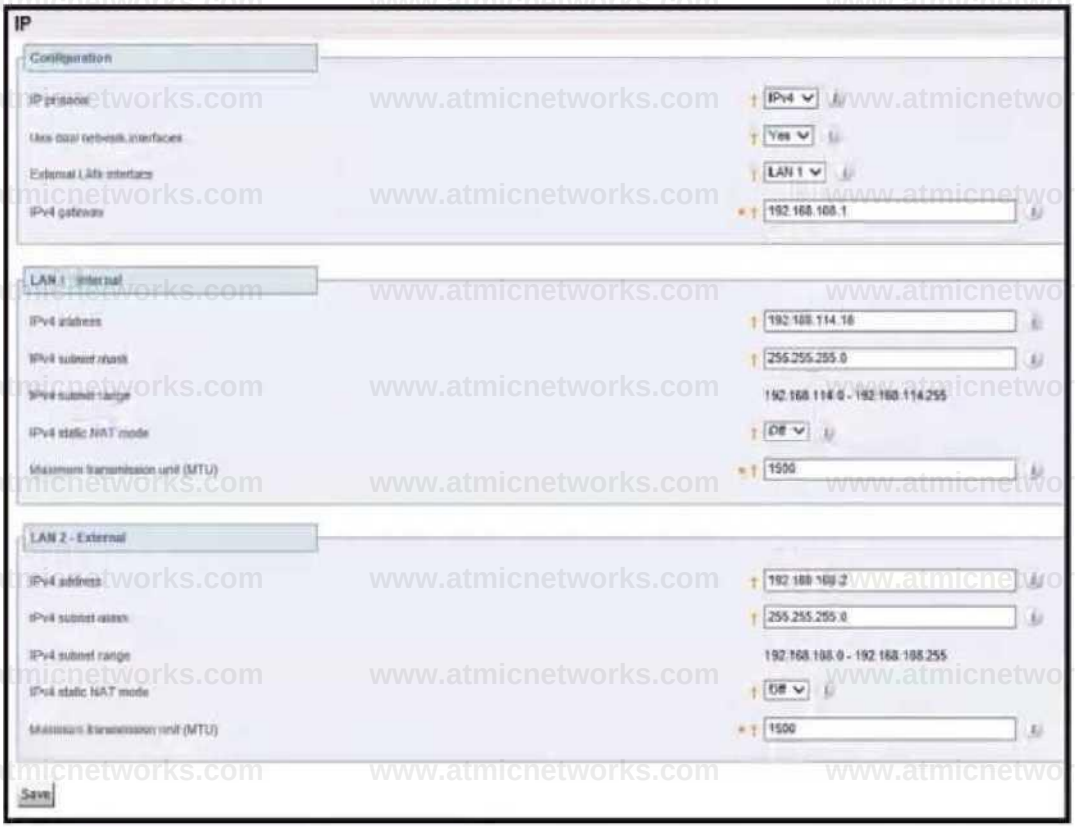
A. From VMN to CUCM SIP endpoints, the source UDP ports from 52500 to 62999 is used for audio traffic.
B. From VMN to Webex Teams clients, the source UDP port 5004 is used for video traffic.
C. From Webex cloud to VMN, the source UDP port 9000 is used for audio traffic.
D. From VMN to video endpoints,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

Answer: AB

Explanation:

Question: 61

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?

External LAN interface LAN 2
LAN 1 IPv4 static NAT inode 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

External LAN interface: LAN 2
LAN 2 IPv4 static NAT mode: On
LAN 2 IPv4 static NAT address-100 64 0 1

External LAN Interface: LAN 1
LAN 1 IPv4 static NAT mode On
LAN 1 IPv4 static NAT address: 100 64 0 1

External LAN interface LAN 2
LAN 1 IPv4 static NAT mode. On
LAN 1 IPv4 static NAT address: 100 64.0.1

A. Option A B. Option B C. Option C
D. Option D

Answer: D

Explanation:

Question: 62

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

Answer: B

Explanation:
Reference: https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc29

Question: 63

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 use a VPN to register.
D. The device running the Jabber client must download and trust the private CA certificate.

Answer: D

Explanation:

Question: 64

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

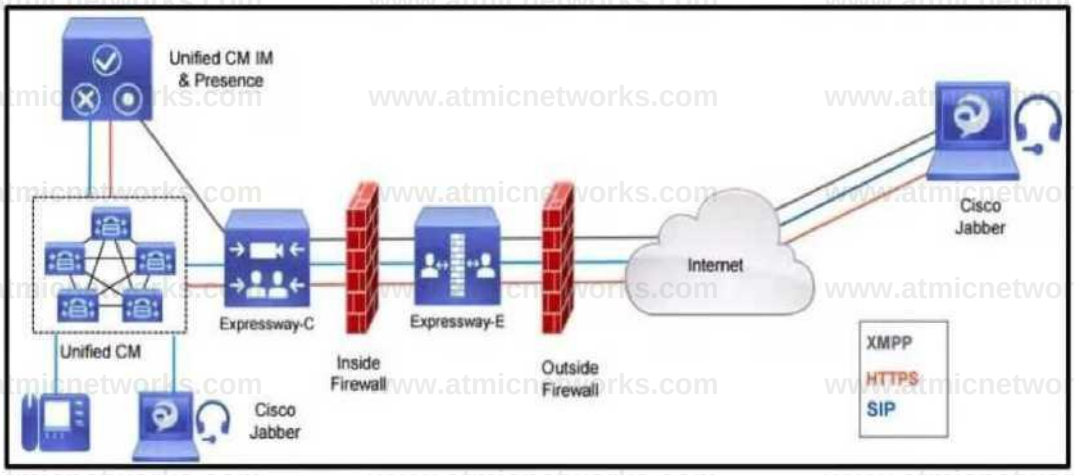
A. Off
B. Auto
C. Force Encrypted
D. Best Effort

Answer: B

Explanation:

Question: 65

Refer to the exhibit.



Which inbound connection should an administrator configure on the outside firewall?

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

Answer: C

Explanation:

Question: 66

An organization has a domain name of example.com. Which two SRV records are valid for a SIP and H 323 communication? (Choose two)

A. _collab-edge._tls.example.com
B. _sips_tcp.example.com
C. _h323ls_tcp.example.com
D. _h323ls._udp.example.com
E. _sips._udp.example.com

Answer: B, D

Explanation:

Question: 67

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

Answer: A

Explanation:
Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-11/Cisco-Expressway-Basic-Configuration-Deployment-Guide-X8-11-4.pdf

Question: 68

Which connection does the traversal zone configuration define?

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

Answer: C

Explanation:

Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-11/Cisco-Expressway-Basic-Configuration-Deployment-Guide-X8-11-4.pdf

Question: 69

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

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

Answer: B

Explanation:

www.atmicnetworks.com

Question: 70

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

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

Answer: D

Explanation:

Question: 71

What is configured on the Expressway-E to successfully route calls from Expressway-C on the internal network to the Internet?

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

Answer: C

Explanation:

Question: 72

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

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

Answer: A, D

Explanation:

Question: 73

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

Answer: BE

Explanation:

Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X12-6.pdf

Question: 74

Refer to the exhibit.

```
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.podl.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-"5010?" User-"admin" Level-"1"
httpd[10591]: web: Event-"System Configuration Changed" Detail-"Zones Zone 7
Neighbor Peer Address - changed from: to: cms4.podl.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.podl.local" Type-"A and AAAA"
tvcs: Event»"System Configuration Changed" Detail-'xConfiguration Zones Zone 7
Neighbor Peer 1 Address: cms4.podl.local" Level-"1"
tvcs: Module-"network.dns" Level-"DEBUG": Detail-'Could not resolve hostname"
```

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

Answer: D

Explanation:

Question: 75

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

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

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.html

Question: 76

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

Answer: AC

Explanation:

Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-10/Mobile-Remote-Access-via-Expressway-Deployment-Guide-X8-10.pdf

Question: 77

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

Answer: B

Explanation:

Reference: https://www.cisco.com/c/en/us/solutions/collateral/unified-communications/spark- hybrid-services/datasheet-c78-738153.html

Question: 78

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

Answer: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.html

Question: 79

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

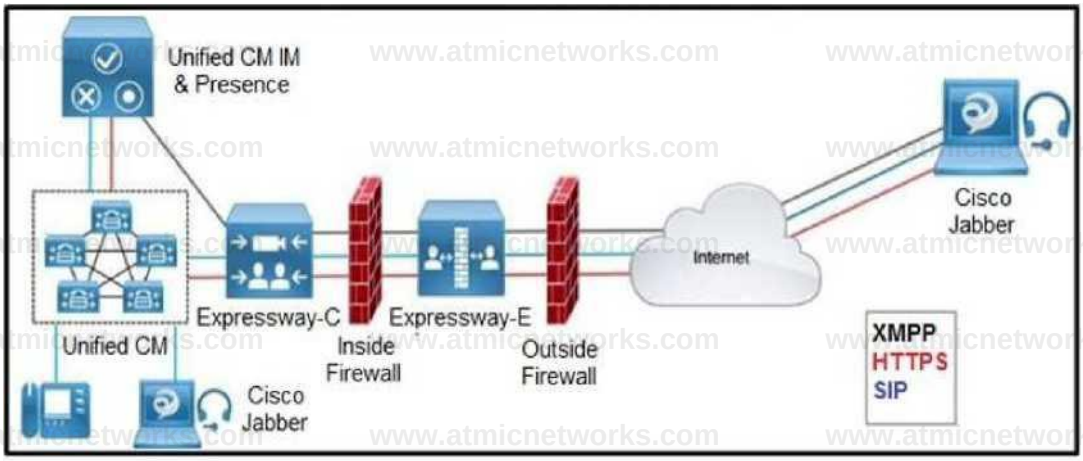
Answer: BC

Explanation:

Reference: https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/BRKUCC-2801.pdf

Question: 80

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

Answer: AB

Explanation:

Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-5/Cisco-Expressway-IP-Port-Usage-for-Firewall-Traversal-Deployment-Guide-X12-5.pdf

Question: 81

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.

Answer: C

Explanation:

Question: 82

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.

Answer: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-5/exwy_b_mra-expressway-deployment-guide/exwy_b_mra-expressway-deployment-guide_chapter_00.html

Question: 83

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

Answer: D

Explanation:

Reference:
https://cmslab.ciscolive.com/pod8/cucm/expctrunk

Question: 84

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

Answer: B

Explanation:

Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-10/Mobile-Remote-Access-via-Expressway-Deployment-Guide-X8-10.pdf

Question: 85

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

Answer: C

Explanation:

Reference:
https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKCOL-2018.pdf

Question: 86

A call is sent by Cisco UCM to Expressway with a URI of 75080001@expc1a.pod8.test.lab. If (7508…)@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.!

Answer: C

Explanation:

Question: 87

Refer to the exhibit.

Transforms

	Priority	State	Description	Pattern	Type	Behavior	Replace
☐	1	✔ Enabled	Strip Domain from all calls	(.*)@(.*)	Regex	Replace	\1
☐	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	✔

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

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 "Standards-Based".

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.

Answer: A

Explanation:

Question: 88

Refer to the exhibit.

```
2021-02-02T12:18:27.359-08:00 eipc tvca: ffTCTim-'2021-02-02 20:14:27,33 9" EMule-"setwork.alp" LtWI-THfO"! Actloa-"Sent" Ucal-ip«"J 2021-02-02112:18:27.360-08:00 expo tvcr
flTauw'2021-02-02 20:18:27,359" Hcdule-"net«rk.»lp" Level-'DEBUG": Action-'Sent' Local-ip-* SIMM:
REGISTER «p: WB. podl. local SIPZ2.0
Via: SIF/2.0/TC? IO.O.IOl.l15:5O€O;egre83-:one<E-cpCTiCTpodIlo€al;branch-r9hG4bK»a525ee7342f3b408b2cbc8B2ff586€237€42.8b4€bfOf88eff29eS Via: SIP/2.0/7L3
W.0.101.li9:7002;egrt33-:ohe-OC;branch*:9hG4bK0822ed2041bc4f7elM48e!6ceS829Qb24e5.9€7ceda2ff4e2c01<feb5all!f58ab29e;f Via: SIP/2.0/713
10.0.132.202:S4451;braach-z9hG4bK00006€96;receiv*d*10.0.132.202;iiigren*=nne-Collai»ratioft£dgeZ3M
Call-ID: 00505£«-4aa5084*-000041cl-00004e3bei0.0.132.202
CSeq: 4351 REGISTER
Contact: <*ip:€c49132£-la5c-a445-9400-869ct960b0d901G.0.101.115:59«0:t£an9port-tcp;orig-hoatpcrt>lQ.0.132.2v2:546$I>;4iip.inatance-*<ui Free: <alp:
2000IcucB.podl.locals; tag-005056ae4M5W500O002633-00O033M Tn: <aip:200Q|cuai.podl. locals Hax-Forwardi: 14
Route: <ilp: cues, pod!. local; transport-:cp; 1 r >
fleer-Agent: Cixco-CSF
Expires: 3600
Pate: Tot, 02 Feb 2021 30:13:26 OCT
Supported: replaces, 30m, xSp-anat,Bore£ersub,reBOQrce-priority.extehded-reFer,X-cixco-callihfo,X-c£aco-aervi€eurL,X-ciaco-eBeapecGdes,> P-Asserted-Identity:
tsip:XCGOOcuax.podl.local>
Reason: SIP ;cauae-200;texc-"ciaco-alarB:24 Hane->CSFjatberuae ActlveLoad-JabDer_for_Vindowa-iL.8.2.S0390 Inactl'/eLoad-Jal:ber_for_Hindo»
Session-ID: cMG27ai0025SOOGaOOOOdc*5GOdOOOO;reMce-OOMOOOOOOOOflOOOOOWOMOMOOOOOO
Content-Type: eultipast/nixed:beundary-ualqueBouadary
Content-Length: 1271
2021-02-02112:18:27.363-08:00 expt tvea: flTC71Be-'2O21-02-02 20:18:27,362" Nodule-"netvorb.alp" Level-'IKFO': Action-"Received' Local-1 2021-02-02712:18:27.343-08:00 tape tvea:
flTCTI»-"2021-02-02 20:18:27,34 3" Hodule-'netvcrlt.alp" Level-"DCBUG": Action-'Received" Local- SIBtSG:
ISIP/2.0 405 Method Hot Allowed
Via: SII/2.0/7O 10.0.101.US$5040.*egte*f-saM-C£ccpcQc^odllocalcc*7002.«Infreaa-tone-flCZcM,$IP/2.d/TL$ 10.0.132,202:S4e'SI:branch-i9M Call-ID: OOSOMae-
iedSOMt-OOOOOIcl-OOOOOeMIO,0.132.202 CSeq: 4351 REGISTER
Free: <aip:2mteuciupodl.local>.'tag<0050Scae48d50«5000002€33-0000339d
To: <aip:2OOOfl€wa.podi«10cal>:t*9*22OO8525O
Allow: INVITE, 0PHOMS, INFO,BYE, CANCE1, ACK, FRACK, UPDATE, REFER, STB5CRIBE. NOT IFY
Server: Ci»co-COQU3.5
Date: Tue, 02 Feb 2021 20:18:27 GMT
Warning: 399 cut* "SIP trunk difaXXowa 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

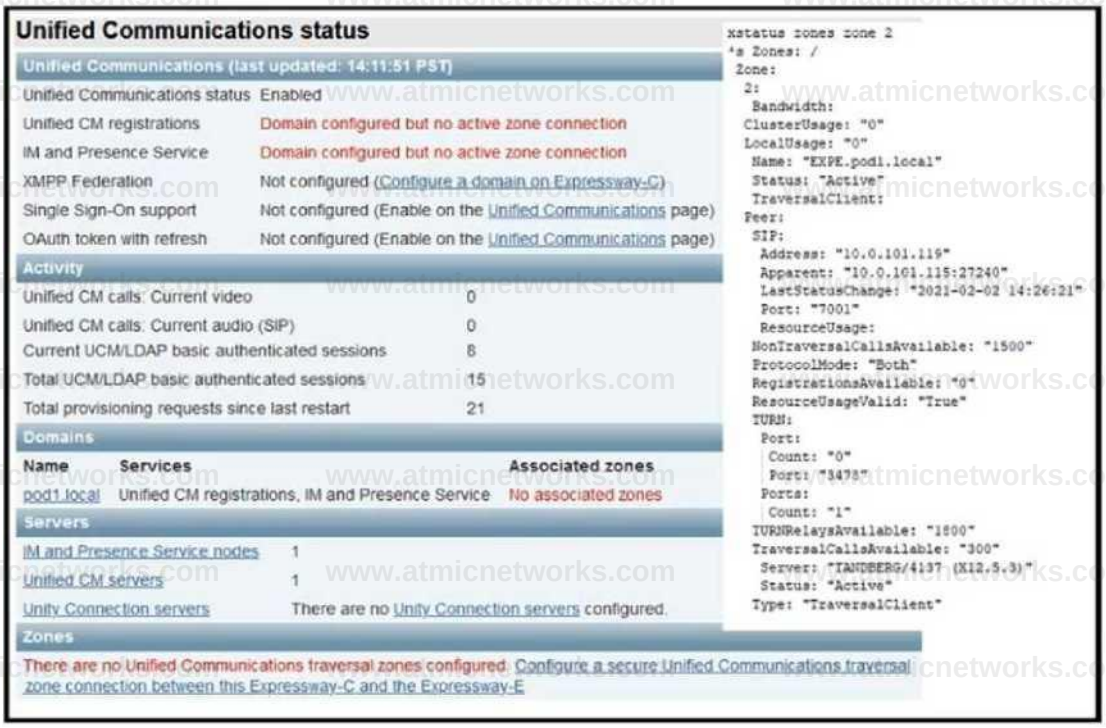
D. Write a custom normalization script since the "vcs-interop" normalization script does not allow registrations

Answer: B

Explanation:

Question: 89

Refer to the exhibit.



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.

Answer: D

Explanation:

Question: 90

Refer to the exhibit.

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Alarms

Alarm	Description
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 Zone if necessary

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

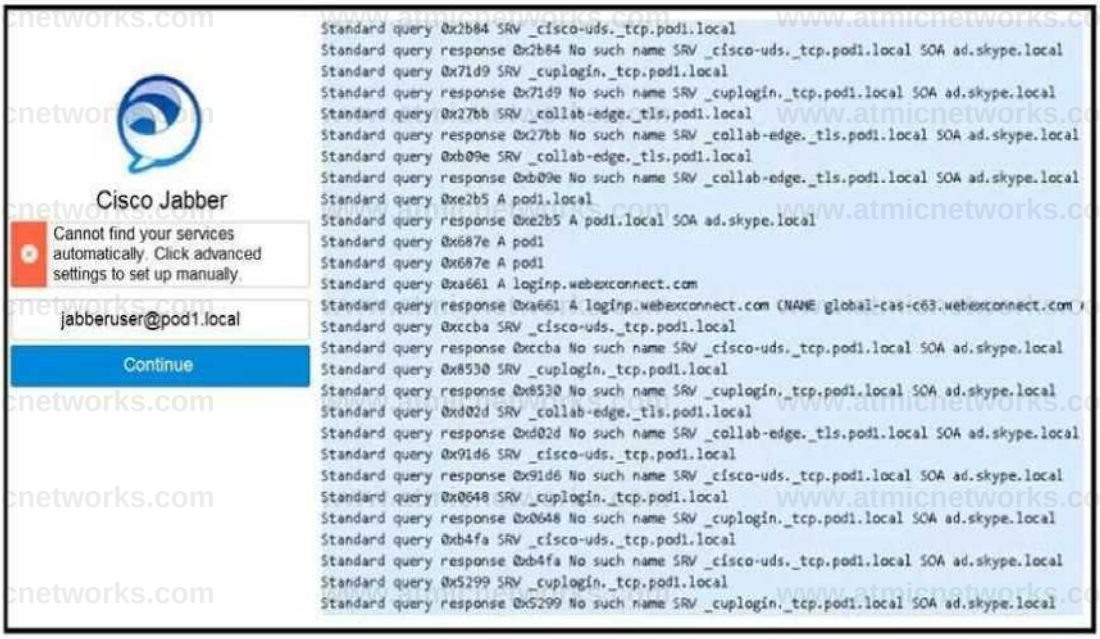
D. The listening port on the Cisco UCM for the Expressway-C SIP trunk is set to something other than 5060 or 5061. It must be set to 5060 for insecure and 5061 for secure SIP

Answer: C

Explanation:

Question: 91

Refer to the exhibit.



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.

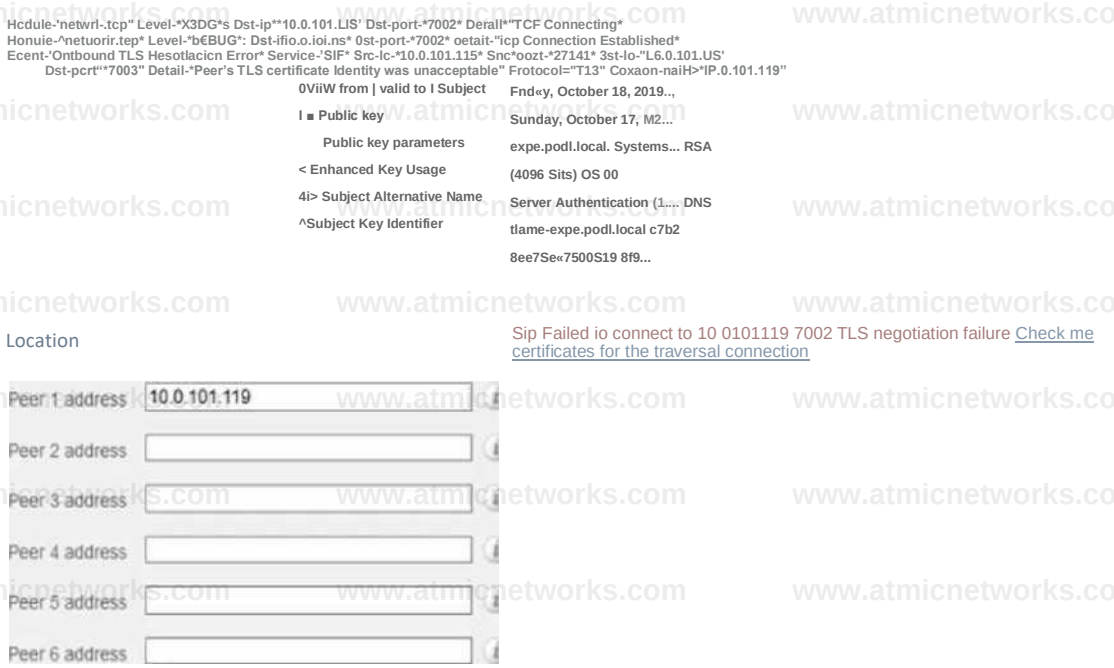
D. The username jabberuser@pod1.local is invalid. The user should instead sign-in simply as jabberuser.

Answer: C

Explanation:

Question: 92

Refer to the exhibit.



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

Answer: D

Explanation:

Question: 93

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.

Answer: AE

Explanation:

Question: 94

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

Answer: C

Explanation:

Reference:
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/messageservice/cmgt_b_spark-hybrid-message-deployment-guide/cmgt_b_spark-hybrid-messagedeployment-

guide_chapter_010.html#:~:text=To%20enable%20Hybrid%20Message%20Service,a%20broker%20between%20the%20two.

Question: 95

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

Answer: D

Explanation:

Reference:
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/messageservice/cmgt_b_spark-hybrid-message-deployment-guide/cmgt_b_spark-hybrid-messagedeployment-guide_chapter_00.html

Question: 96

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

Answer: A

Explanation:

Reference:
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_6/cjab_b_cloud-and-hybrid-deploymentscisco-jabber-12-6/cjab_b_cloud-and-hybrid-deployments-cisco-jabber-12-6_chapter_0101.html

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Question: 97

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

Answer: B

Explanation:

Question: 98

Which describes what could do 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.

Answer: C

Explanation:

Question: 99

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

Answer: B

Explanation:

Question: 100

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

Answer: C

Explanation:

Question: 101

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.

Answer: B

Explanation:

Question: 102

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.

Answer: B

Explanation:

Question: 103

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".

Answer: B

Explanation:

Question: 104

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

Answer: A

Explanation:

Question: 105

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.

Answer: D

Explanation:

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Question: 106

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 ta ExpE.example.com on port 5061

Answer: A

Explanation:

Question: 107

An Expressway Server has both network protocols (IPv4 and IPv6) enabled. Which two behaviors are correct? (Choose two.)

A. If the calling endpoint is on an IPv4-Only network and the called endpoint is on an IPV6-Only network, a NAT64 device must convert the IPv4 addresses to IPv6 addresses.
B. Endpoints register with either IPv4 or IPv6 addresses, but dual-stack endpoints choose IPv6 protocol by default.
C. If the calling endpoint is on an IPv4-Only network and the called endpoint is on an IPv6-Only network, the Expressway Server act as a gateway and convert the two protocol versions.
D. Endpoints register only with IPv6 addresses on an Expressway Server with IPv6 protocol enabled regardless of the state of IPv4 protocol.
E. Endpoints register with either IPv4 or IPv6 addresses, and endpoints decide which protocol to use by the format of the configured Expressway Server IP address.

Answer: C, E

Explanation:

Question: 108

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 ofline.

Answer: D

Explanation:

Question: 109

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

Answer: D

Explanation:

Question: 110

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

Answer: A

Explanation:

Question: 111

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

Answer: D

Explanation:

Question: 112

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

Answer: B

Explanation:

Question: 113

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

Answer: C

Explanation:

Question: 114

Refer to the exhibit.

	Expressway-C	Expressway-E
Name	Enter `TraversalZone`	Enter `TraversalZone`
Type		
Username	Enter `exampleauth`	Enter `exampleauth`
Password	Enter `ex4mpl3.c0m`	Not applicable
H.323 Mode	*On*	*On*
H.323 Protocol	*Assent*	*Assent*
H.323 Port	Enter `6001`	Enter `6001`
H.323 H.460.19 demultiplexing mode	Not applicable	*Off*
SIP Mode	*On*	*On*
SIP Port	Enter `7001`	Enter `7001`
SIP Transport	*TLS*	*TLS*
SIP TLS verify mode	*Off*	*Off*
SIP Accept proxied registrations	*Allow*	*Off*
Location Peer 1 address	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'

Answer: D

Explanation:

Question: 115

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 ofexample.com on the Expressway-E

D. CPL to block calls with a destination URI with 8 or more digits on the Expressway-E

Answer: D

Explanation:

Question: 116

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 is 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.

Answer: A, B

Explanation:

Question: 117

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

Answer: A

Explanation:

Question: 118

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

Answer: A

Explanation:

Question: 119

Refer to the exhibit.

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 forvip^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.

Answer: A

Explanation:

Question: 120

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.

Answer: D

Explanation:

Question: 121

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 taster than using an on-premises deployment.

Answer: D

Explanation:

Question: 122

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.

Answer: A

Explanation:

Question: 123

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

Answer: A

Explanation:

Question: 124

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.

Answer: A

Explanation:

Question: 125

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 bur 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.

Answer: B

Explanation:

Question: 126

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 SIPTLS over TCP port 5061
D. signaling over TCP port 444

Answer: D

Explanation:

Question: 127

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

Answer: C

Explanation:

Question: 128

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

Answer: D

Explanation:

Question: 129

Refer to the exhibit.

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

XmppSDK.dll #0, CXmppClient::onResourceBindError

XmppSDK.dll #0, 39, CTriClient:iHandleDisconnect, 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 IM and Presence server. Why is the Jabber client unable to sign in?

A. The XmppSDK.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.

Answer: C

Explanation:

Question: 130

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

Answer: B

Explanation:

Question: 131

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

Answer: D, E

Explanation:

Question: 132

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. IPv4 gateway: 172.16.100.1, and a static route for the 192.168.20.0/24 subnet using LAN1

Answer: D

Explanation:

Question: 133

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.

Answer: B

Explanation:

Question: 134

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

Answer: C

Explanation:

Question: 135

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?

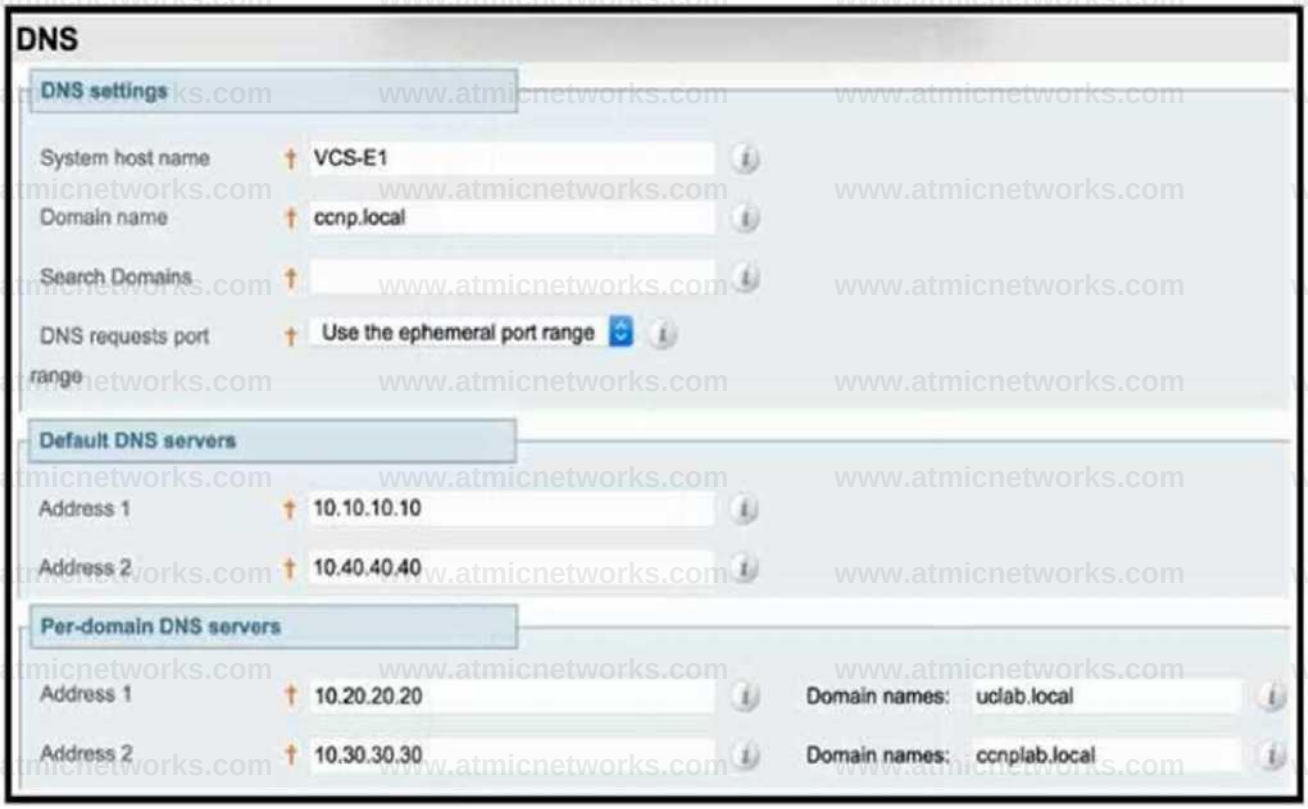
A. _cuplogin._tcp.cisco.com
B. _collab-edge._tls.cisco.com
C. _cisco-uds._tls.cisco.com
D. _cisco-uds._tcp.cisco.com

Answer: B

Explanation:

Question: 136

Refer to the exhibit.



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

Answer: A

Explanation:

Question: 137

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 Expresswav-C Message Connector

C. Enable an End User account for AXLAPI 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

Answer: D

Explanation:

Question: 138

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

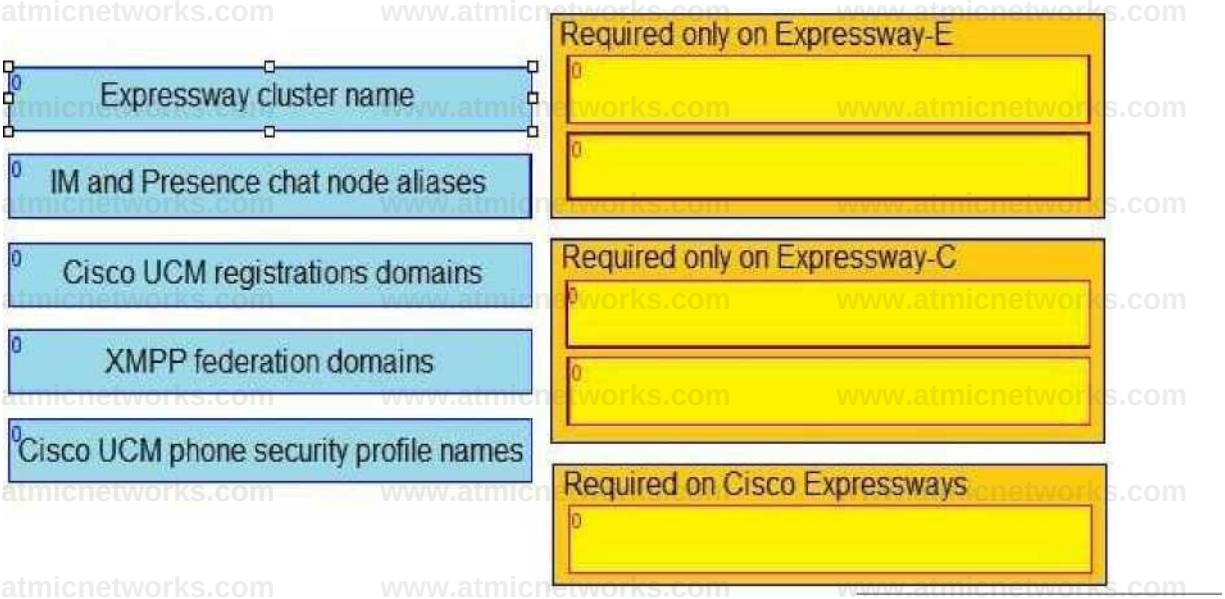
Answer: C

Explanation:

Question: 139

DRAG DROP

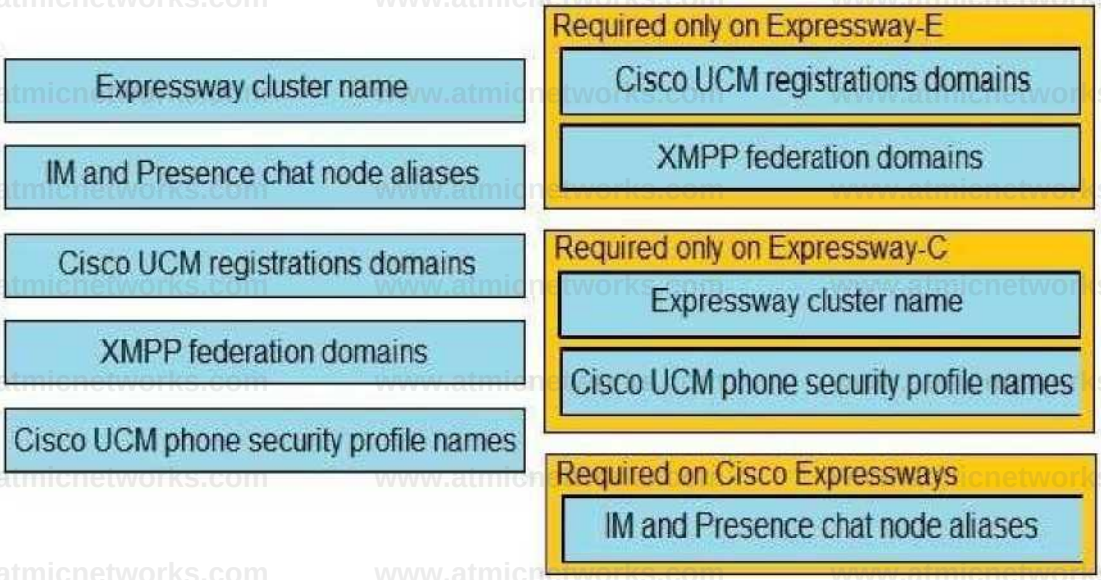
Drag and drop the required SAN field items from the left onto the features within the server categories on the right.



Answer:

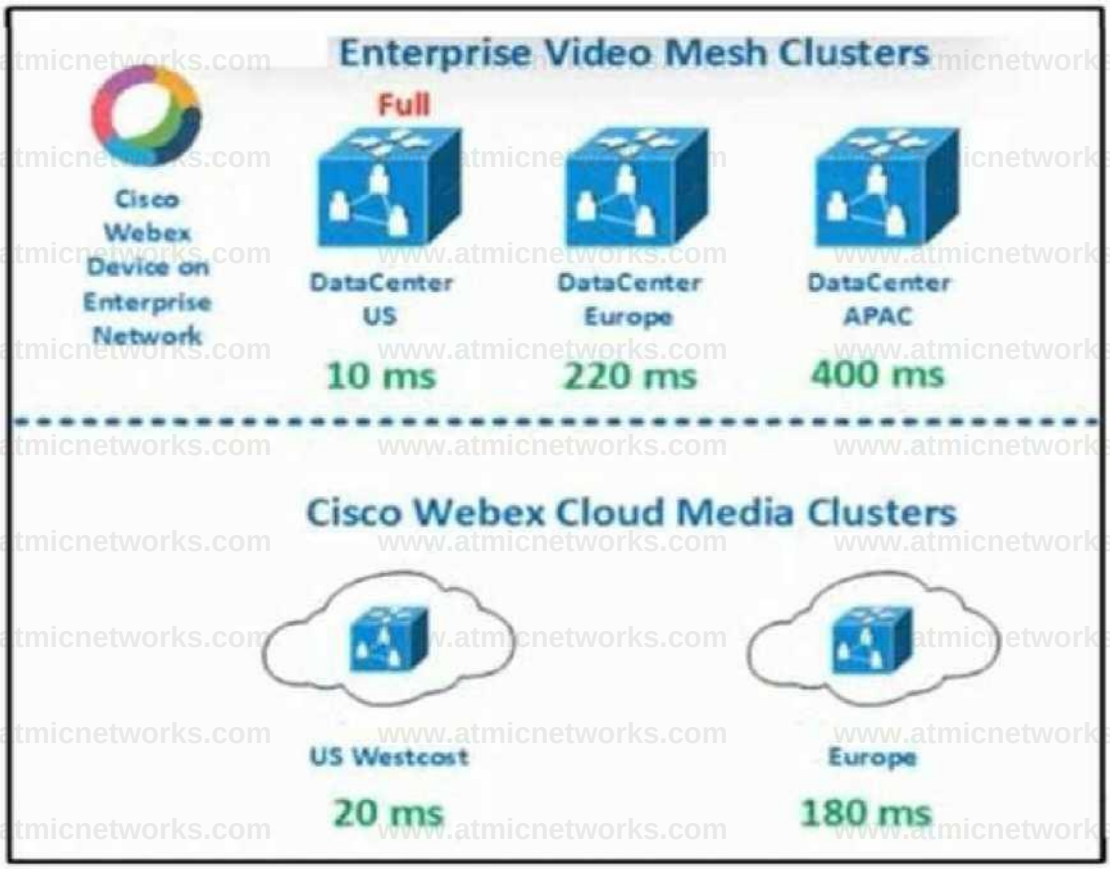
Explanation:

www.atmicnetworks.com



Question: 140

Refer to the exhibit.



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 Cost 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.

Answer: C

Explanation:

Question: 141

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.

Answer: C

Explanation:

Question: 142

DRAG DROP

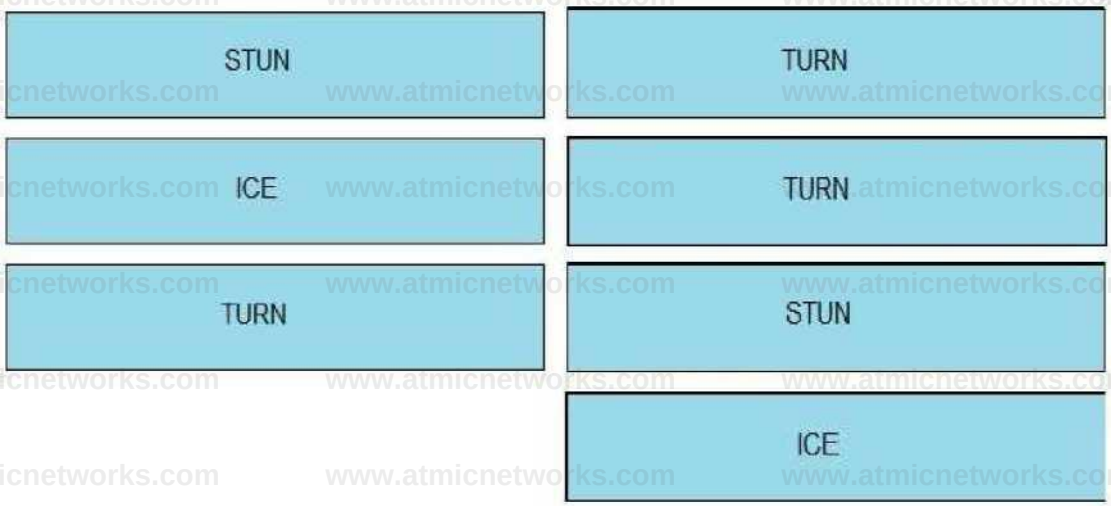
Drag and drop the services from the left onto their descriptions on the right. Some services are used more than once.

STUN	Clients use this protocolto 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

Answer:

Explanation:



Question: 143

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

Answer: C

Explanation:

Question: 144

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.

Answer: B

Explanation:

Question: 145

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

Answer: B

Explanation:

Question: 146

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.

Answer: A

Explanation:

Question: 147

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.

Answer: B

Explanation:

Question: 148

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)

Answer: D

Explanation:

Question: 149

A company is implementing Cisco Webex but has existing legacy Cisco video endpoint registered onpremises. 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.

Answer: B

Explanation:

Question: 150

Refer to the exhibit.

Name	Type	Data
|-|_cisco-uds	Service Location(SRV)	[0][0][8443] cucm-pub. cll-collab internal
"I-9C	Service Location(SRV)	[0][100][3268] WIN-SERVER01 cll-collab internal
□_h323cs	Service Location(SRV)	[0][0][1720] expc-pub cll-collab internal
n-kerberos	Service Location(SRV)	[0][100][8] WIN-SERVER01 cll-collab internal
["]_kpasswd	Service Location(SRV)	[0][100][464] WIN-SERVER01 cll-collab internal
l_Wap	Service Location(SRV)	[0][100][389] WIN-SERVER01 cll-collab. internal
n_sip	Service Location(SRV)	[0][0][5060] expc-pub cll-collab internal
n 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 collab-edge DNS record must be added to the DNS server and the _cisco-uds DNS record must be removed.

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

Answer: B

Explanation:

Question: 151

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.

Answer: D

Explanation:

Question: 152

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.

Answer: D

Explanation:

Question: 153

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.

Answer: A

Explanation:

Question: 154

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.

Answer: C

Explanation:

Question: 155

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

Answer: A

Explanation:

Question: 156

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

A. 36

B. 24

C. 0

D. 24

Answer: C

Explanation:

Question: 157

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

Answer: D

Explanation:

Question: 158

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.

Answer: A

Explanation:

Question: 159

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 relving party trust to the ADFS.

D. Map the E-mail-addresses LDAP attribute to the uid outgoing claim type.

Answer: D

Explanation:

Question: 160

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

Answer: B

Explanation:

Question: 161

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”

Answer: B

Explanation:

Question: 162

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?

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

Windows server.

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.

Answer: D

Explanation:

Question: 163

Which two protocols are supported on Expressway Zones? (Choose two.)

A. SIP

B. H.248

C. MGCP

D. SCCP

E. H.323

Answer: A, E

Explanation:

Question: 164

Which two scenarios need a proper DNS configuration on Expressway servers? (Choose two.)

A. Expressway servers verify the common name attribute in server certificates.

B. Expressway servers route calls based on SIP URI.

C. Admins avoid IP address configuration for neighbor zone peers.

D. Expressway servers use NTP peer authentication for secure time updates.

E. Admins download software updates from the Cisco website via WebUI.

Answer: A, C

Explanation:

Question: 165

An engineer is configuring the Expressway cluster to allow Jabber clients that are outside the enterprise network to register, make calls, and send instant messages using the internal Cisco UCM. Which action must be taken before a secure UC traversal zone is added to the Expressway-C?

A. Add Instant Message and Presence service clusters.

B. Add a Cisco UCM cluster.

C. Configure SIP OAuth mode.

D. Establish certificate trust between the Expressway-C and Expressway-E.

Answer: D

Explanation:

Question: 166

A collaboration engineer is configuring Cisco Webex Edge for video conferencing devices to provide support for Cisco Webex Control Hub configuration management. Which configuration control mode must be set on Cisco UCM for Control Hub to manage the on-premises device configuration?

A. Webex Edge only
B. endpoint only
C. Cisco UCM and endpoint
D. Cisco UCM only

Answer: D

Explanation:

Question: 167

Which technique can be used to have media flow directly between two endpoints that have a NAT between them?

A. The endpoints can use a Cisco router API to disable NAT temporarily.
B. Cisco Mobile and Remote Access allows for media traffic directly between two internal endpoints.
C. Cisco access protocol can make a direct path between endpoints on an internal network.
D. STUN makes UDP connections through NAT devices.

Answer: D

Explanation:

Question: 168

Refer to the exhibit.

Refer to the exhibit. An engineer must configure a B2B traversal zone. Trusted certification authority and server certificates are uploaded to Cisco Expressway-C and Expressway-E servers. After the traversal zone configuration is completed in Expressway-C, the error message in the exhibit appears. What are the two reasons for the error? (Choose two.)

A. The peer 1 address in Expressway-C must be replaced by the FQDN of Expressway-C.
B. The peer 1 address in Expressway-C is not the FADN of Expressway-E.
C. The communication port is not set to 7001.
D. The FQDN of Expressway-E cannot be resolved by the DNS server.
E. The traversal zone TLS verify subject name in Expressway-E does not match the FQDN of Expressway-C.

Answer: A, B

Explanation:

Question: 169

In which mode does the Cisco Expressway act as a SIP-H.323 gateway only if one or more of the endpoints are locally registered?

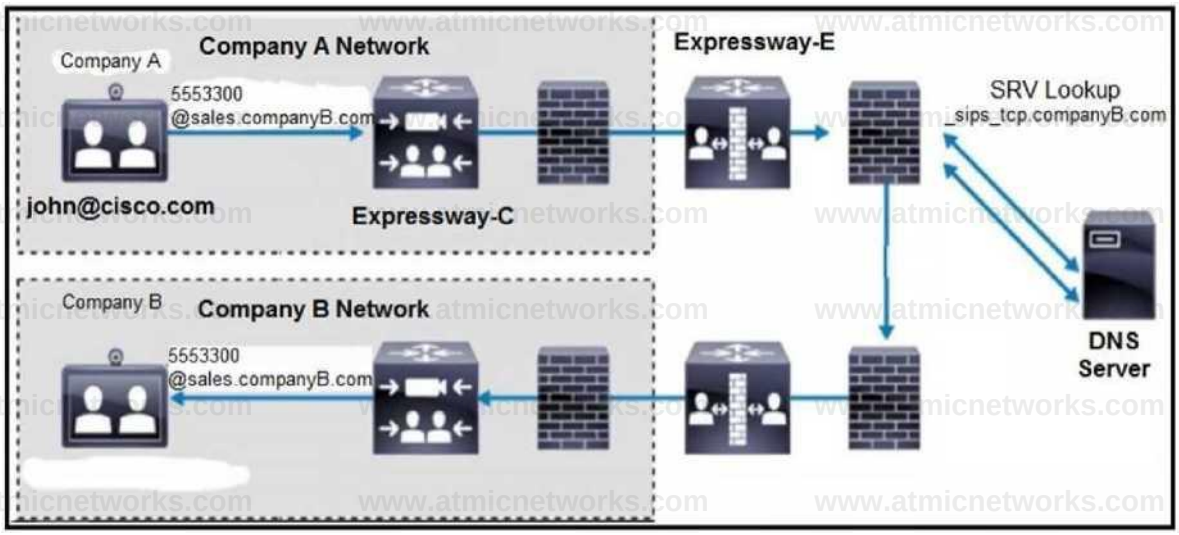
A. registered only
B. gateway only
C. off
D. lon

Answer: A

Explanation:

Question: 170

Refer to the exhibit.



Refer to the exhibit. When users sign in to Cisco Jabber through Mobile and Remote Access, they cannot see

their own photo or the photo of their contacts next to each name. Which action must be taken in Cisco Expressway-C to resolve the issue?

A. Add an HTTP allow list for the Instant Message and Presence server.
B. Add an allow call policy rule from the Cisco UCM traversal zone.
C. Upload the missing Instant Messaging and Presence server certificate to fix the connection to its server.
D. Add an HTTP allow list for the web server that contains the photos.

Answer: D

Explanation:

Question: 171

When does the Webex App Endpoint send media to the Video Mesh cluster during a meeting?

A. when the Webex cloud media services are ofline
B. when there is insufficient bandwidth at the MPLS WAN edge
C. when the round-trip delay to the Video Mesh cluster is shorter than the round-trip delay to the Webex cloud media services
D. when there is insufficient bandwidth at the internet edge

Answer: C

Explanation:

Question: 172

In a larger Cisco Collaboration deployment, a user requires the advanced file transfer function in Cisco Jabber while the client is using Mobile and Remote Access. The deployment has multiple Expressway clusters and internal Cisco UCM clusters. Which configuration must be applied on Cisco Expressway-C for this function to be available?

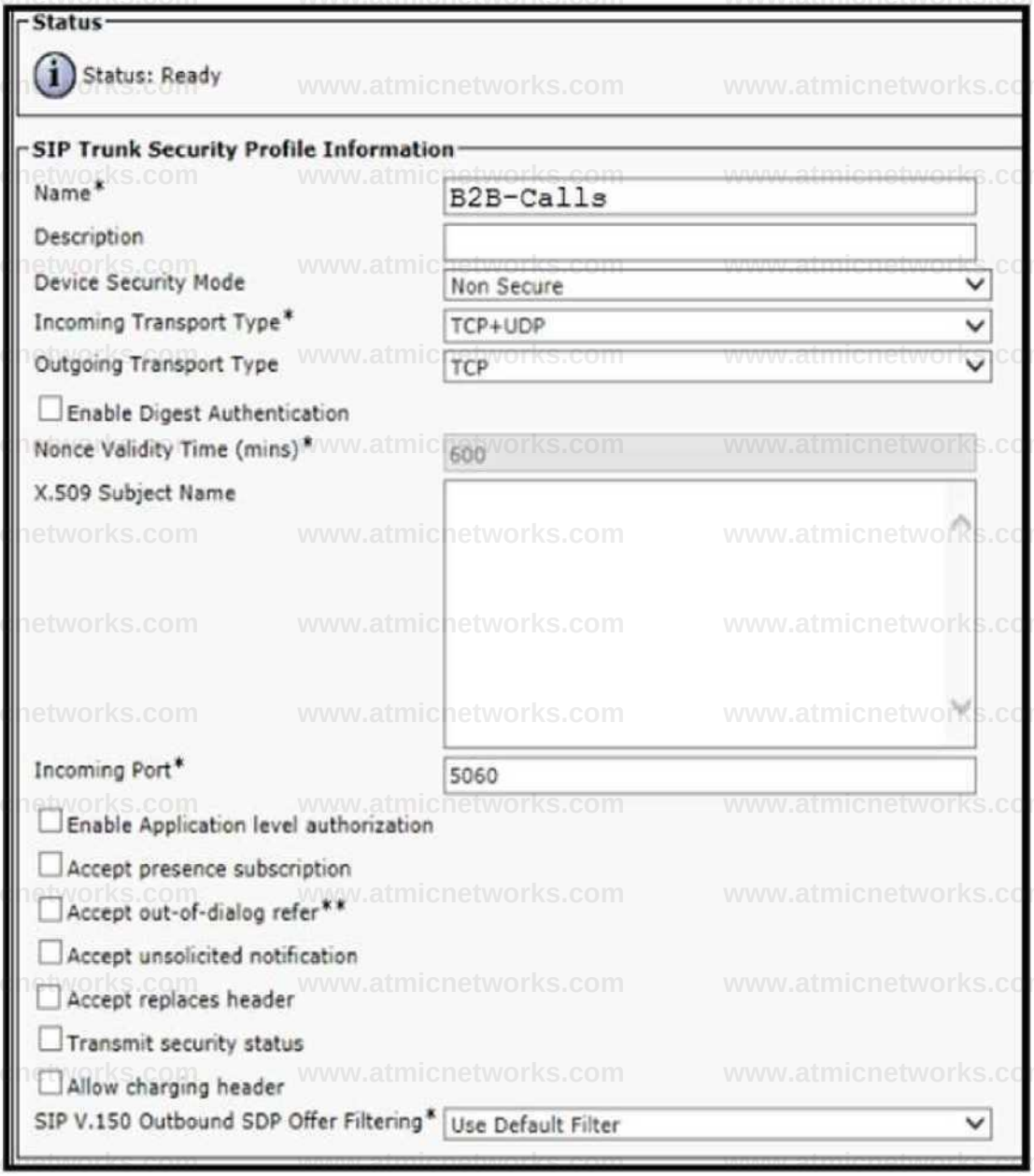
A. The HTTP Allow List must be manual or use Automatic inbound rules updated to include all Cisco IM and Presence servers.
B. The HTTPS Allow List must be manual or use Automatic inbound rules updated to include all Cisco IM and Presence servers.
C. The HTTP Allow List must use Automatic update rules to include all Cisco UCM servers.
D. The HTTP Allow List must use Automatic update rules to include all Cisco IM and Presence servers.

Answer: B

Explanation:

Question: 173

Refer to the exhibit.



Refer to the exhibit. Which SIP trunk security profile configuration on the Cisco UCM server is used for a secured SIP trunk to an Expressway server that is already integrated with the Cisco UCM for Mobile and Remote Access?

A.

Device Security Mode: Encrypted Incoming Transport Type: TLS Outgoing Transport Type: TLS Incoming Port*: 5061

B.

Device Security Mode: Encrypted Incoming Transport Type: TLS Outgoing Transport Type: TLS Incoming Port*: 6061

C.

Device Security Mode: Non-Secure
Incoming Transport Type: TCP+UDP
Outgoing Transport Type: TCP
Incoming Port*: 5060

D.
Device Security Mode: Authenticated
Incoming Transport Type: TLS
Outgoing Transport Type: TLS
Incoming Port*: 6061

Answer: A

Explanation:

Question: 174

An engineer is configuring Cisco Expressway-E and needs to implement toll fraud prevention. Which configuration meets this requirement?

A. Enable SIP ALG inspection on the network address translation firewall.
B. Enable and configure local call policy.
C. Enable and configure the Expressway-E firewall.
D. Configure the external firewall to block specific IPs.

Answer: B

Explanation:

Question: 175

What is the default file extension for saving Cisco Expressway-C backups when using the Google Chrome browser?

A. .tar.gz.enc
B. .tar.tar.gz
C. .zip
D. .tar.gz.gz

Answer: A

Explanation:

Question: 176

In Cisco Expressway, which information from an incoming search request does the pre-search transform configuration allow to be modified?

A. calling party
B. called address
C. Source IP address
D. CUD

Answer: B

Explanation:

Question: 177

Refer to the exhibit.

Uri, ExpectedResult, Deployment, Description, HttpMethod https://myServer1:8443/myPath1,block, “my deployment", "a block test", GET http7/myServer2:8000/myPath2, allow, "my deployment", “an allow test", PUT https://myServer4/myPath4, allow,,,GET http7/myServer4/myPath4, block,,,

Refer to the exhibit. A manager asks an engineer to create a CSV file for the HTTP allow list on the Expressway deployment. The engineer wrote the script shown and uploaded it to the Expressway, but it is not being accepted. Which action resolves the issue?

A. Add the command POST at the end on this line “http://myServer4/myPath4,block,,,POST”.

B. Remove the Method “PUT” from “http://myServer2:8000/myPath2,allow “my deployment”, “an allow test”, PUT”.

C. Remove the line “https://myServer4/myPath4,allow,,,GET”.

D. Nothing is wrong, but the file type is most likely not XML.

Answer: C

Explanation:

Question: 178

Refer to the exhibit.

! Server certificate ‘ftandberg/persistent/certs/server.pem’ is invalid because it has expired
Upload a valid certificate with a future expiry date.

Unified CM server lookup [1] Failed: Cannot connect to 10.1.5.5 Invalid credentials

Unified CM publisher address	10.1.5.5
Username	[AXLuser
Password	•••••••••
TLS verify mode	On Si, ..., J » pOn v
AES GCM support	

Save | Delete, Cancel,

Refer to the exhibit. An engineer is configuring Cisco Expressway-C to discover Cisco UCM by using an IP address and a TCP connection. After the configuration is saved, errors occur.
Which two changes must be made to resolve the errors? (Choose two.)

A. Configure an application user with Cisco Computer Telephony Integration-enabled privileges in Cisco UCM.
B. Configure an application user with Administrative XML privileges in Cisco UCM.
C. Upload a valid Cisco Tomcat certificate from the Cisco UCM to Expressway-C.
D. Set TLS verify mode to Off.
E. Configure an HTTP allow list that contains the Cisco UCM

Answer: B, D

Explanation:

Question: 179

Refer to the exhibit.

```
<Directory>
<DirectoryServerType>UDS</DirecotryServerType>
<PhotoUriWithToken>http://192.160.100.10/photo%%uid%%.jpg<
/PhotoUriWithToken>
<UdsServer>%IP%</UdsServer>
<MinimumCharacterQuery>3</MinimumCharacterQuery>
</Directory>
```

Refer to the exhibit. The web server is set up to store contact photos and the Cisco Jabber-config.xml file is updated for all clients. After these changes, Jabber for Windows users cannot view the contact photos when they are connected via Mobile and Remote Access. Which action resolves the issue?

A. Update the “PhotoUriWithToken’ entry to “Https”.
B. Update the contact photos to “png”.
C. Add the web-server address within the HTTP server allow list on the Expressway-C.
D. Add the web-server address within the HTTP server allow list on the Expressway-E.

Answer: D

Explanation:

Question: 180

After Mobile and Remote Access is deployed with automatic service discovery, end users encounter the error “Cannot communicate with the server” when they attempt to log in to Cisco Jabber 14.0 using the company email address from within the company network. Which action must an administrator take to resolve this challenge?

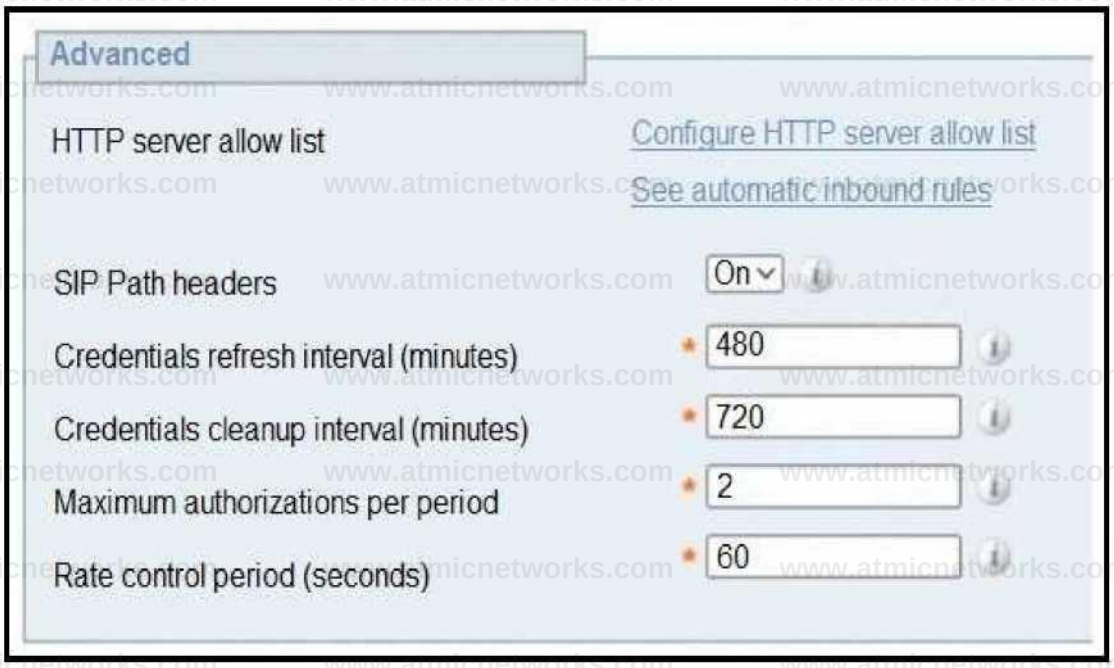
A. Create _collab-edge._tcp DNS SRV record in the internal DNS.
B. Create _cisco-uds._tcp DNS SRV record in the internal DNS server.
C. Create _collab-edge._tls DNS SRV record in the public DNS.
D. Create _cisco-uds._tcp DNS SRV record in the public DNS server.

Answer: A

Explanation:

Question: 181

Refer to the exhibit.



Refer to the exhibit. After hardening the Cisco Expressway, an engineer noticed this error in the logs HTTP error 429 "Too Many Requests," and users report that authentication is not possible on more than two devices. What must the engineer increase to correct the issue?

A. maximum authorizations per period
B. credentials refresh interval
C. rate control period
D. credentials cleanup interval

Answer: A

Explanation:

Question: 182

Which option mandates that calls fall back to unencrypted media if encryption cannot be established?

A. auto
B. force unencrypted
C. best effort
D. force encrypted

Answer: C

Explanation:

Question: 183

Refer to the exhibit.

Status	
State	Failed
Cause	System unreachable
Number of calls to this zone	0
Number of proxied registrations from this zone	0
Bandwidth used on this Expressway	0 kbps
Total bandwidth used across this cluster	0 kbps
Search rules targeting this zone	1

Refer to the exhibit. A company has a Cisco collaboration infrastructure that contains Cisco UCM and Cisco Expressway-C and Expressway-E for Mobile and Remote Access. When the engineer sets up the

environment to support B2B calling, they discover that the zone stale between Expressway-C and Cisco UCM failed. What must the STEP Trunk Security Profile setting be changed to in Cisco UCM to resolve the issue?

A. UDP for the outgoing transport type
B. value other than the default listening port for outgoing SIP connections on Cisco UCM
C. value other than the default listening port for incoming SIP connections on Cisco UCM
D. TCP for the incoming transport type

Answer: D

Explanation:

Question: 184

In a Webex Video Mesh deployment, where do Cloud-registered Webex Teams clients and devices send signaling traffic for call setup?

A. to a local Video Mesh node
B. directly to the Webex cloud

C. to an Expressway-E server
D. to a remote Video Mesh node

Answer: B

Explanation:

Question: 185

Where can the administrator manage a Webex tenant?

A. Cisco Webex administrator portal
B. Cisco Webex management portal
C. Cisco Webex control panel
D. Cisco Webex Control Hub

Answer: D

Explanation:

Question: 186

Refer to the exhibit.

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SIP Trunk Security Profile Information

Name*	Zone Profile 1
Description	
Device Security Mode	Non Secure
Incoming Transport Type*	TCP+UDP
Outgoing Transport Type	TCP
☐ Enable Digest Authentication	
Nonce Validity Time (mins)*	600
Secure Certificate Subject or Subject Alternate Name	
Incoming Port*	6060

SIP Trunk Security Profile Information

Name*	Zone Profile 2
Description	
Device Security Mode	Encrypted
Incoming Transport Type*	TLS
Outgoing Transport Type	TLS
☐ Enable Digest Authentication	
Nonce Validity Time (mins)*	600
Secure Certificate Subject or Subject Alternate Name	
Incoming Port*	6061

Refer to the exhibit. A collaboration engineer is configuring Cisco Expressway for B2B calling. The engineer must allow inbound calls to be routed to Cisco UCM. The traffic must be unencrypted between the Expressway-C and the Cisco UCM cluster. Which configuration correctly implements the zone?

A)

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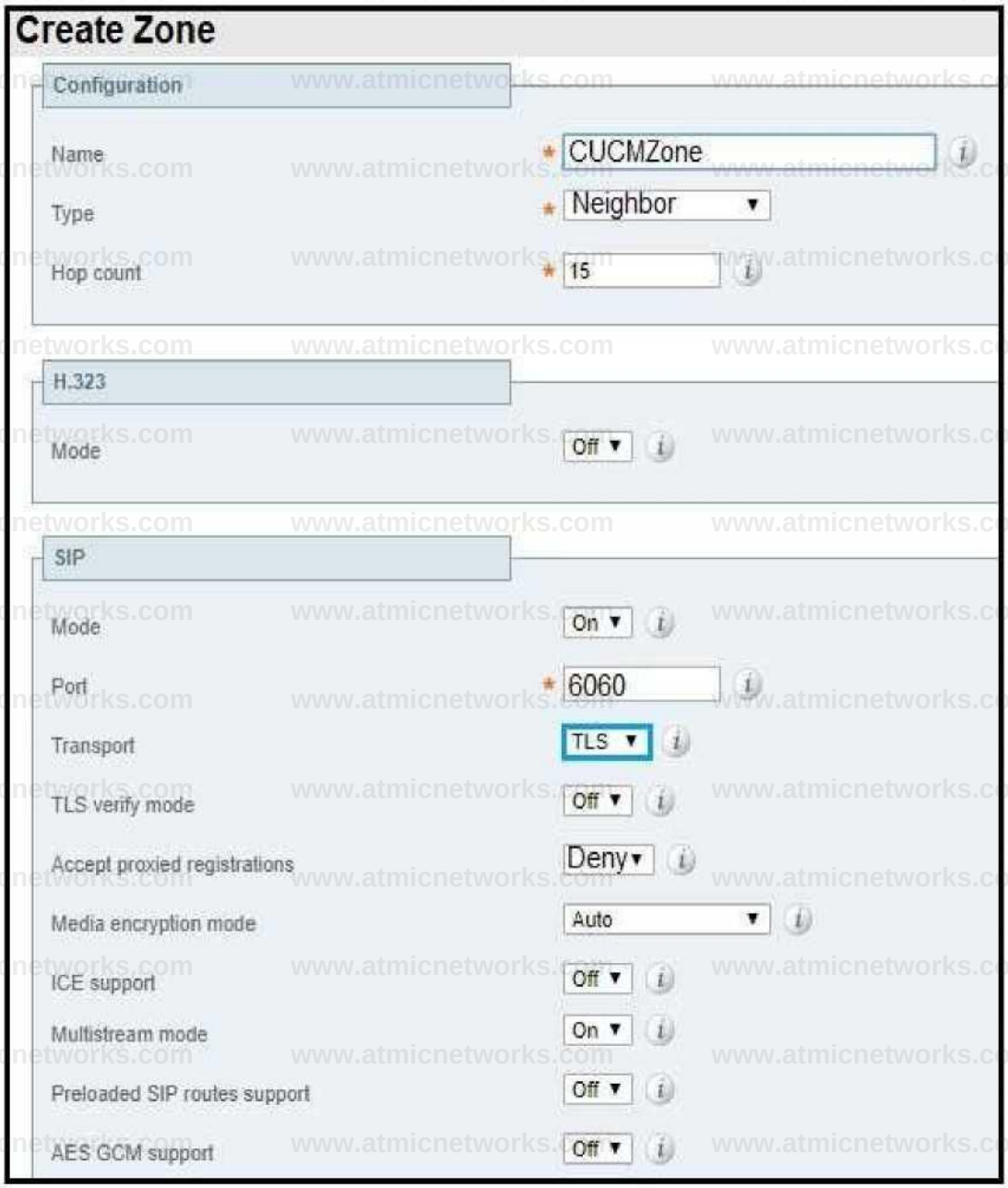

B)

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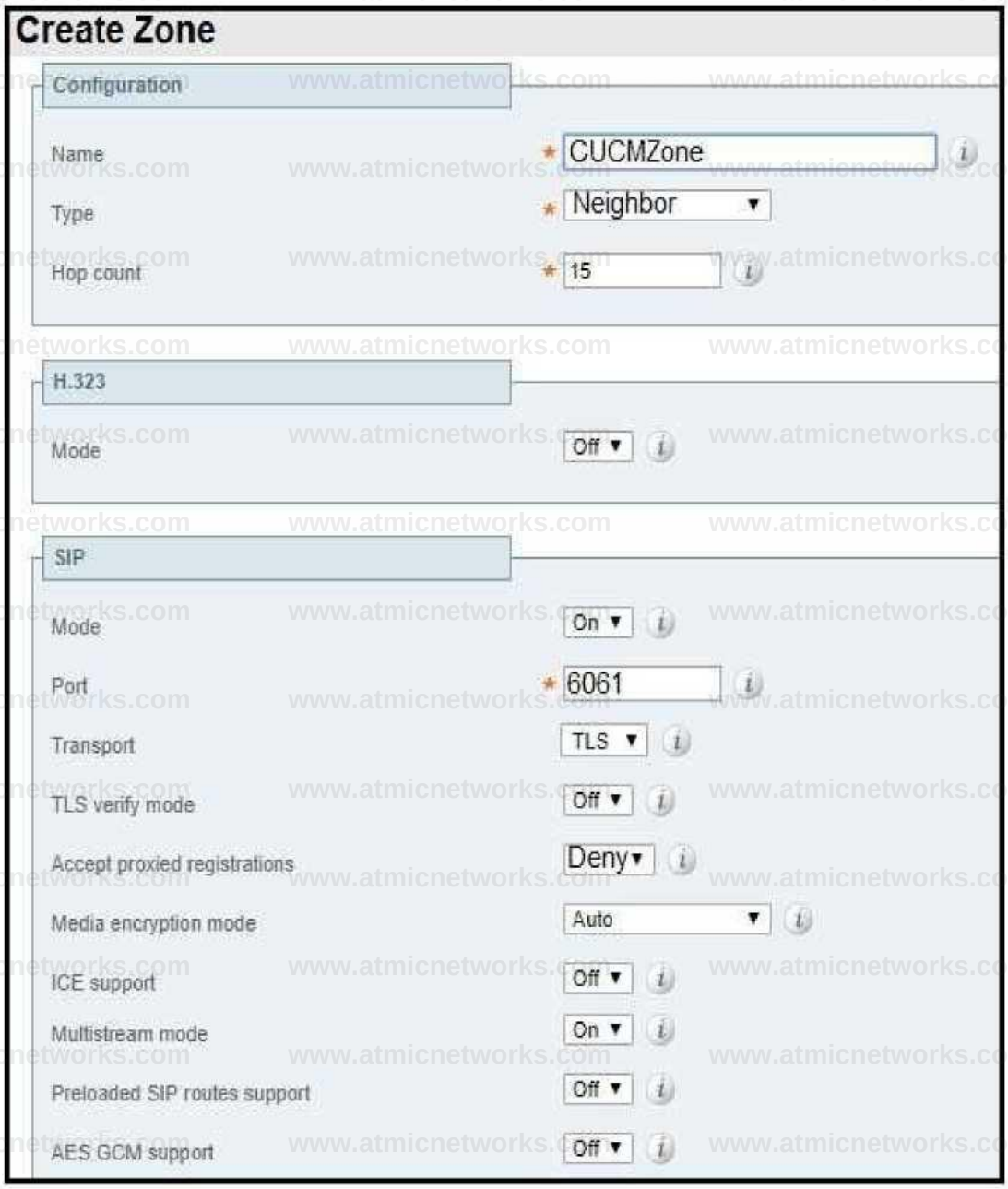
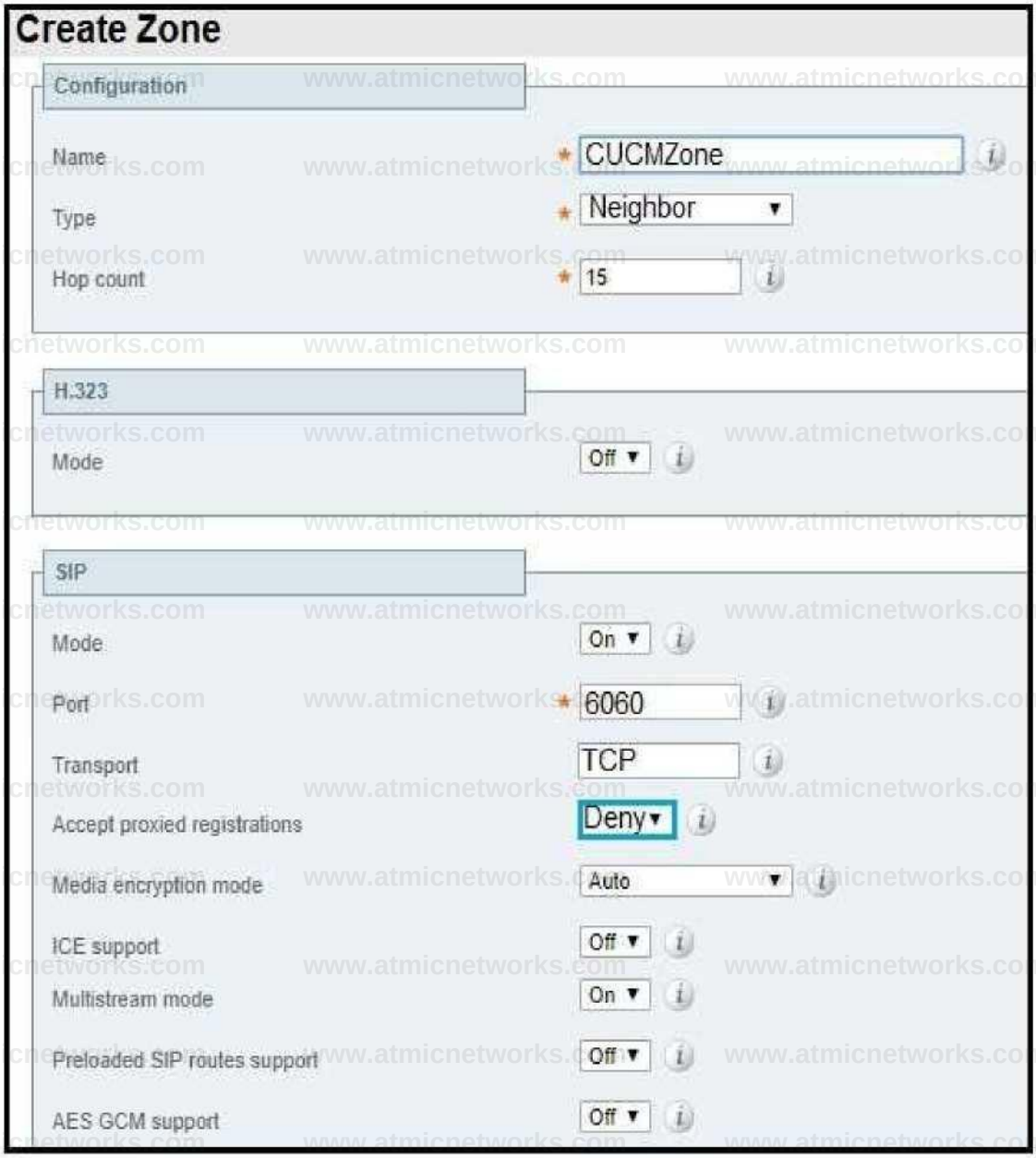


C)



D)

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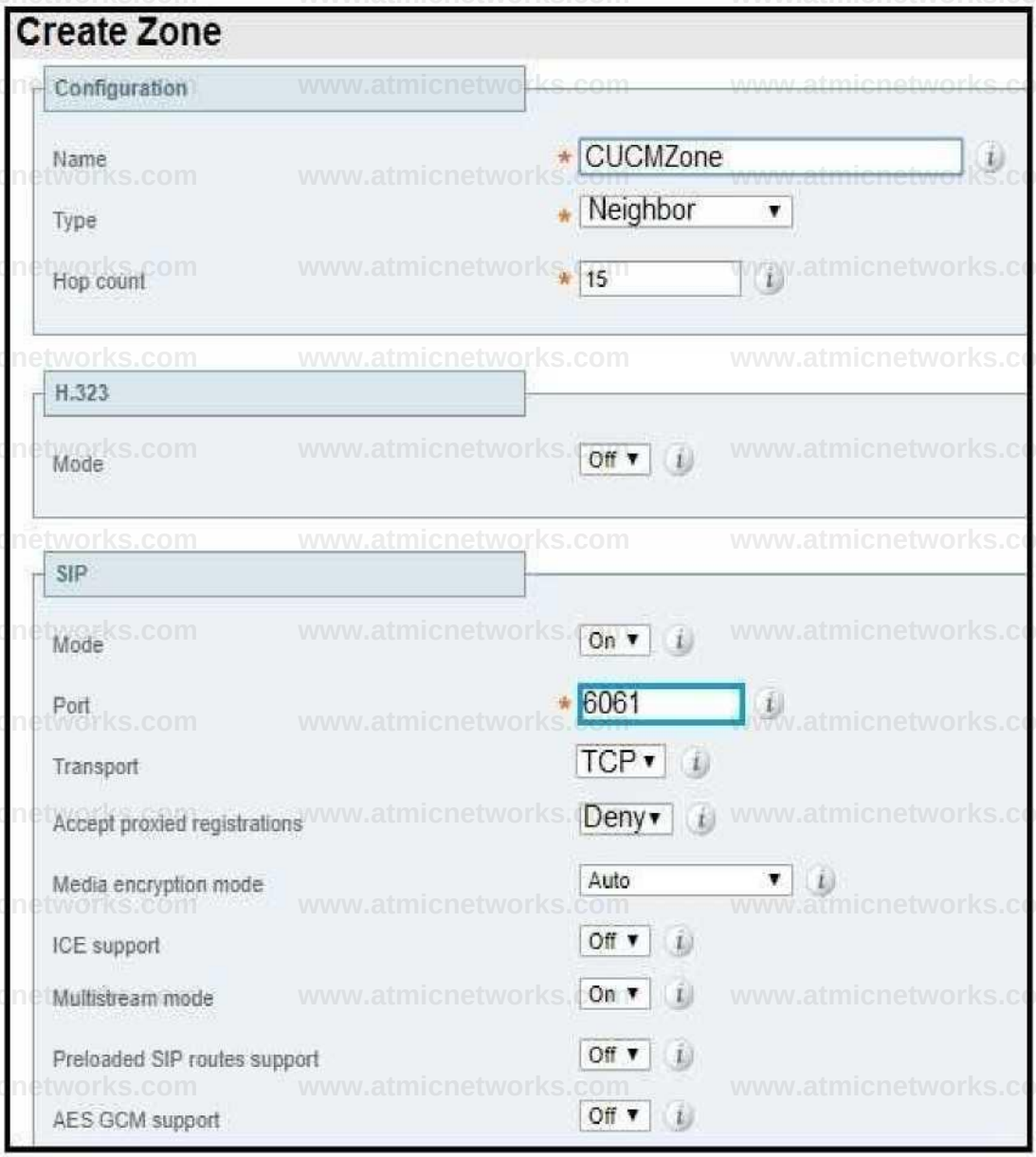


A. Option A B. Option B C. Option C D. Option D

Answer: C

Explanation:

Question: 187

A new set of Expressway-C and Expressway-E is deployed and was configured for Mobile and Remote Access with basic settings. How must the engineer edit the inbound allow list rule?

A. Go to Configuration > Unified Communications > HTTP allow list > Editable inbound rules to view.

B. Go to Configuration > MRA > HTTP allow rules > Editable inbound rules to view, create, modify, or delete HTTP allow list rules.

C. Go to Configuration > MRA > Editable Inbound rules to view, create, modify, or delete HTTP allow list

rules.

D. Go to Configuration > Unified Communications > MRA > HTTP allow list > Editable inbound rules to view, create, modify, or delete HTTP allow list rules.

Answer: D

Explanation:

Question: 188

A network engineer is configuring Mobile and Remote Access for the environment and must add the Certificate Authority into the Expressways. How does the engineer perform this action?

A. Go to Maintenance > Trusted CA certificate > Security and upload the trusted Certificate Authority certificates.

B. Go to Maintenance > Security > Trusted CA certificate and upload the trusted Certificate Authority certificates.

C. Go to Maintenance > Tools > Security > Certificates > Trusted CA certificate and upload the trusted Certificate Authority certificates.

D. Go to Maintenance > Tools > Security > Trusted CA certificate and upload the trusted Certificate Authority certificates.

Answer: C

Explanation:

Question: 189

What is the purpose of Webex Cloud-Connected UC?

A. It is a Cisco UCM deployed in the Webex cloud for feature parity when moving to cloud.

B. It is a hybrid calling setup with an on-premises Cisco UCM and a Webex based Cisco UCM to benefit from both critical on-prem and flexible cloud deployments.

C. Get the benefits of centralized cloud-based analytics and troubleshooting while keeping critical calling on-premises.

D. It is a migration path tor moving from on-premises UC to Webex in a step by step plan.

Answer: C

Explanation:

Question: 190

Refer to the exhibit.

Description: a block test
ExpectedResult: block
URL: https://myServer/myPath
Port: 8443
Method: GET
Deployment: my deployment

Refer to the exhibit. A collaboration engineer creates an allow list test file for a Mobile and Remote Access deployment. Which lines are needed to format the test in the file correctly?

A. https://myServer:8443/myPath.block, “my deployment”, “a block test”, GET
B. “my deployment”, block, GET https://myServer:8443/myPath, “a block test”
C. a block test:https:8443:GET “myServer/myPath”:my deployment:block
D. a block test,https:8443,GET “myServer/myPath”,my deployment:block

Answer: A

Explanation:

Question: 191

An engineer must review a new traversal zone that is not establishing a successful connection between Expressway-C and Expressway-E. When the event log page on the Expressway-E is reviewed, an authentication failure is found with the detail “user not found”. Which two actions must the engineer take to resolve the issue? (Choose two.)

A. Disable TLS verification on the Expressway-E.
B. Ensure that the authentication credentials configured on both zones to match.
C. Ensure that LDAP is properly configured and synchronized on the Expressway-E.
D. Ensure that the authentication credentials exist on the Expressway-E local database.
E. Ensure that the authentication credentials exist on the Expressway-C local database.

Answer: B, D

Explanation:

Question: 192

Refer to the exhibit.

2021 -12-21 T13:06:10 626-01:00 tvcs:Event~* Inbound TLS Negotiation Error'' Service[3] SIP" Src-ip = “10.8.140.6” Src-port= “41928” Dst-ip- “10.8.140.18” Dst-port= “5061” Detaii= “unsupported certificate purpose" Protocol[3] “TLS” Level[3] “1” UTCTime- “2021-12-2114:06:10.626”

Refer to the exhibit. The neighbor zone to Cisco UCM fails to come up when TLS verify mode is enabled on the Expressway-C for B2B traffic. Which Issue correctly describes the cause of the error?

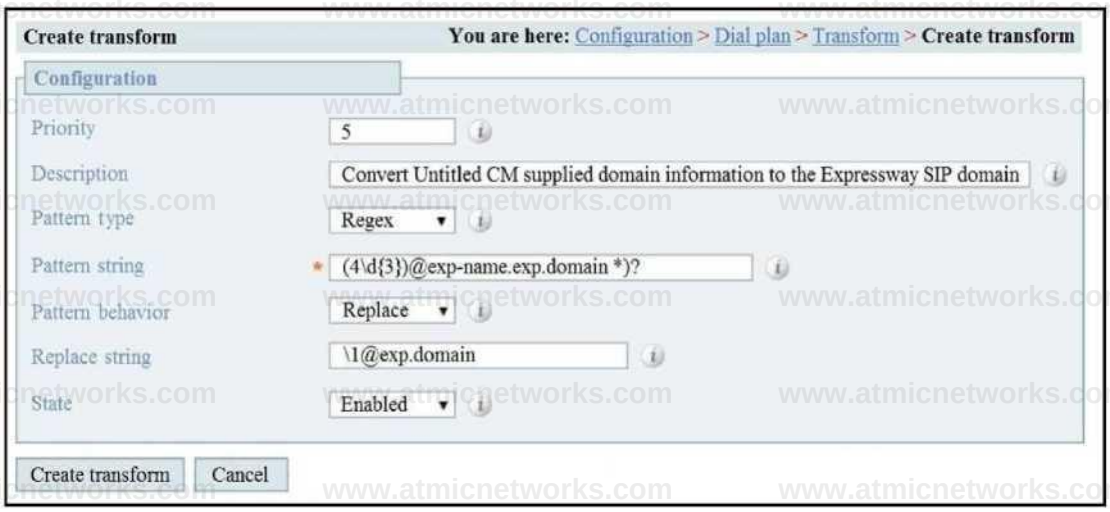
A. The certificate has a key length of 8192 bits.
B. TLS verify mode is enabled on the neighbor zone.
C. Subject Alternative Name fields are longer than 999 characters.
D. The neighbor system FQDN is missing from Subject Alternative Name attributes of the certificate.

Answer: D

Explanation:

Question: 193

Refer to the exhibit.



Refer to the exhibit. A collaboration engineer creates a transform to modify 4123@exp-name.exp.domain:<port> to 4123@exp.domain. Which pattern behavior setting accomplishes this task?

A. replace
B. strip
C. add prefix
D. add suffix

Answer: A

Explanation:

Question: 194

Users in the Cisco Webex collaboration environment want to be able to use @webex when scheduling a Webex meeting from their Outlook client connected to Office365. Which configuration meets this requirement?

A. Add an O365 tenant in the admin pages of Webex as a Microsoft 385 Global administrator.
B. Add the Webex domain in the calendar integration services in the admin interface for Microsoft Exchange Online.
C. Enable user onboarding for each user in the Webex admin interface. Each user will then authorize Webex

to read only their calendar in a secure manner.

D. Add an O365 tenant in the admin pages of Webex as a Webex site administrator.

Answer: B

Explanation:

Question: 195

Which option changes the addresses and ports in voice and video signaling messages?

A. Firewall ALG
B. NAT overload
C. NAT Pinhole
D. NAT ALG

Answer: D

Explanation:

Question: 196

Which set of actions configures ACME certificates on Expressways?

A. Configure ACME Certificate settings on your Expressway-E, and change the ACME automated scheduler field to ON.
B. Configure ACME Certificate settings on your Expressway-C, and change the ACME automated scheduler field to OFF.
C. Configure ACME Certificate settings on your Expressway-C, and change the ACME automated scheduler field to ON.
D. Configure ACME Certificate settings on your Expressway-E, disable the Expressway cluster, and change the ACME automated scheduler field to OFF.

Answer: A

Explanation:

Question: 197

Refer to the exhibit.

_h323ls._udp.ciscovoice.com _h323cs._tcp.ciscovoice.com. _sip._tcp.ciscovoice.com _sips._tcp.ciscovoice.com _xmpp-server._tcp.ciscovoice.com _collab-edge._tls.ciscovoice.com _tcp.ciscovoice.com
_sipfederationtcp._tcp.ciscovoice.com

Refer to the exhibit. An administrator set up a B2B interop with a business partner running a Microsoft Lync environment and can successfully make outbound video calls to Jane.doe@ciscovideo.com. Inbound calls to paul.smith@ciscovoice.com, however, are failing. A quick SRV search returns the records in the exhibit. Which record must be modified to resolve this challenge?

A. _h323ls._udp.ciscovoice.com
B. _sipfederationtcp._tcp.ciscovoice.com
C. _sips._tcp.ciscovoice.com
D. _collab-edge._tls.ciscovoice.com

Answer: B

Explanation:

Question: 198

What is the benefit of configuring ICE, TURN and STUN in a Cisco Unified Collaboration environment?

A. The ICE protocol enables the use of MRA for Cisco endpoints to register behind the firewall.
B. The endpoints use fewer ports to minimize the port range and allows for multiple connections in a high-density deployment.
C. It can traverse firewalls without opening incoming ports.
D. The endpoints discover paths to optimize media flow and allows for peer-to-peer media traffic in some cases.

Answer: D

Explanation:

Question: 199

A company identifies a fraudulent toil situation. An engineer reviews the Cisco UCM call detail

records and discovers that fraudulent calls originate from a Cisco Expressway-C server and are then routed to a 10-digit PSTN number. What must be configured to limit incoming Expressway calls to the internal Cisco UCM range of extensions 5XXXX?

A. calling search space that contains all the partitions on the Unified Communications Manager SIP trunk to Expressway
B. call policy rule from the DNS zone to allow a destination regex pattern of \d.*@abc.com
C. unique search rule with a regex pattern of [5]\d{4}@abc.com that targets the neighbor zone
D. call policy rule from the DNS zone to allow a destination regex pattern of .*@abc.com

Answer: C

Explanation:

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Question: 200

A company decided to gradually move to the Cisco Webex Cloud from a Cisco on-premises solution. One step is to configure a Cisco Hybrid Services connector. Where must an engineer make this configuration?

A. Deploy the Cisco Hybrid Services connector, which is an on-premises node, to allow for multiple Cisco collaboration environments to connect to Cisco Webex.
B. Configure Hybrid Service in the Cisco Expressway-E in the DMZ to connect to the Cisco Webex Cloud.
C. Configure Hybrid Services in Cisco Webex Control Hub in the Cisco Webex Cloud to enable Hybrid Services.
D. Enable the Hybrid Services service on the Cisco UCM to allow the on-premises call control to establish a hybrid link to the Cisco Webex Cloud.

Answer: C

Explanation:

Question: 201

Employees at company A must call employees at company B in an extension range of 4XXX@companyB.com. Both companies have a Cisco collaboration infrastructure. All required zones are configured in Cisco Expressways at company

A. What must be configured on the Expressway at company A to enable outbound B2B calls?
A. search rule with a regex pattern of [4]\d{3}@companyB\.com that targets the DNS zone
B. search rule with a suffix pattern of *.@companyB.com that targets the neighbor zone
C. call policy rule from the DNS zone to allow a destination pattern of 4[1-9]@companyB.com
D. call policy rule from the neighbor zone to allow a destination pattern of 4[1-9]@companyB.com

Answer: B

Explanation:

Question: 202

An engineer noticed that internal participants using Full HD endpoints are joining meetings hosted in the Video Mesh node. The quality of the calls is 720p. What must the engineer configure to support 1080p quality?

A. Set the “Enhanced Layout Experience” within the Video Mesh settings in Cisco Webex Control Hub to 1080P HD video.
B. Set the “Received Video Resolution” on the Video Mesh node to maximum.
C. Turn on the “Enable 1080P HD video for all participants hosted on on-premises Video Mesh nodes” setting in the Cisco Webex Control Hub.
D. Turn on the “Highest Detail, Best Motion: 1080P” setting in the Cisco Webex Control Hub.

Answer: D

Explanation:

Question: 203

Which statement correctly describes links and pipes in Cisco Expressway?

A. A maximum of one pipe can be applied to a link.
B. A call between two endpoints in the same subzone or zone fails if there is no pipe between the endpoints.
C. A call between two endpoints in the same subzone or zone fails if there is no link between the endpoints.
D. The lower bandwidth restriction is applied to calls over a link that is associated to two pipes.

Answer: D

Explanation:

Question: 204

Which method is used to send the incoming call request to the client when the traversal server receives an incoming call for the traversal client?

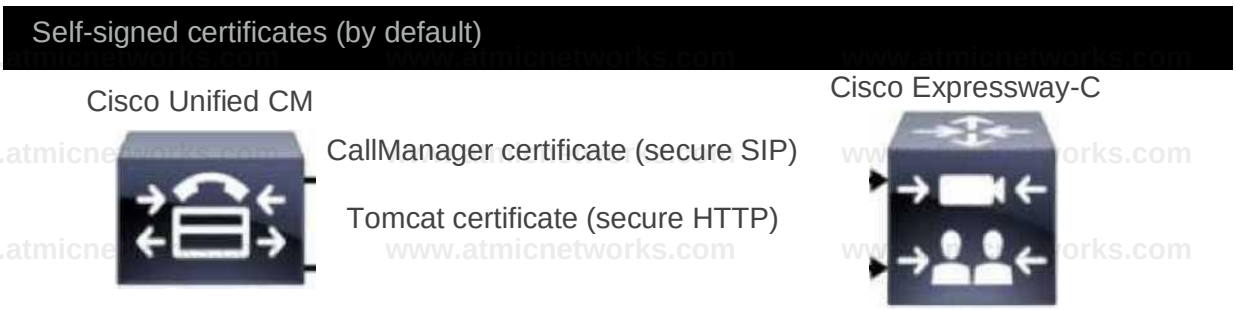
A. Requesting for permission from the firewall
B. Using an existing keep-alive connection opened by the client
C. Opening an outbound connection directly to the client through the firewall
D. Opening an inbound connection directly to the client through the firewall

Answer: B

Explanation:

Question: 205

Refer to the exhibit.



Refer to the exhibit. A Cisco UCM cluster in mixed mode is integrated with Cisco Expressway-C for Mobile and Remote Access endpoint registration. TLS verify mode is enabled and self-signed certificates with the same common name for Cisco Tomcat and Cisco Call Manager are uploaded to Expressway-C. A Cisco Jabber client fails to register using secure SIP. Which two configurations are the cause of the issue? (Choose two.)

A. The Tomcat certificate has the incorrect FQDN for the Cisco UCM server.

B. The Jabber client cannot connect to its associated phone device by using Cisco Computer Telephony Integration.

C. The incorrect secure device profile was applied to the Jabber client.

D. The Expressway-C does not allow two self-signed certificates with the same CN to be trusted.

E. The Call Manager certificate is causing a conflict.

Answer: D, E

Explanation:

Question: 206

After an engineer implements load balancing in the Cisco CMS cluster, they observe that shortly after the second Call Bridge is added to the cluster, calls into a space randomly disconnect when the calls are from endpoints registered with Cisco UCM. Which action resolves the issue?

A. Enable "Accept Out-of-dialog REFER" on the SIP Trunk security profile.

B. Enable "Accept Unsolicited Notification" on the SIP Trunk security profile.

C. Enable "Accept Presence Subscription" on the SIP Trunk security profile on Cisco UCM.

D. Enable "Accept Replaces Header" on the SIP Trunk security profile on Cisco UCM.

Answer: D

Explanation:

Question: 207

Where is encryption enabled in a Cisco collaboration environment for dedicated hardware-based video endpoint calls?

A. Set enforce encryption in Cisco Expressway-C under Dial Plan Configuration.
B. Set enforce encryption in regions in Cisco UCM.
C. Set enforce encryption on every single endpoint.
D. Ensure that Cisco UCM is set to restricted mode.

Answer: B

Explanation:

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