EXAMTOPICS

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Question #1 *Topic 1*

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

A. Additional headers due to NAT encapsulation can cause the packet size to exceed the MTU.

B. When the client is behind a NAT they may be unable to determine the appropriate offset due to time zones.

C. The IP address specified in the connection data field may be an unrouteable internal address.

D. The encryption keys advertised in the SDP are only valid for clients not behind a NAT.

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

veraiden Highly Voted 3 years, 3 months ago

Should be C: the problem is that if NAT enabled, some firewalls doesn't write the translated address into the SIP Signalling (fortinet for example has VIP feature that make it works).

upvoted 6 times

Collabinski Most Recent 2 years ago

Cert Guide pg 182 -183 If a device were to try and route to the private IP address of another endpoint, the transmission would fail at the source router, because private IP addresses are not publicly routable

upvoted 1 times

ysrck 2 years, 6 months ago

Answer is C

upvoted 2 times

msully 2 years, 8 months ago

Answer is C

upvoted 2 times

chacthor 3 years ago

Should be C

upvoted 3 times

rob79 3 years, 4 months ago

This should be C

upvoted 3 times

Question #2 *Topic 1*

A company already has a Cisco Unified Communications Manager for internal audio and video traffic, but it requires video communication with external partners and customers. It is important to ensure security for the deployment and the connectivity.
What must be set up to enable this requirement?

A. Cisco Unified Border Element and Cisco ASA Firewall

B. Cisco Unified Border Element and Cisco Firepower Firewall

C. Cisco Expressway-C and Cisco Expressway-E

D. Cisco Expressway-C and Cisco Unified Border Element

Suggested Answer: *C*
Official Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #3 *Topic 1*

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

A. SDP b-line

B. SIP record route

C. SDP c-line

D. SDP m-line

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

AKREM86 Highly Voted 4 years, 1 month ago

C is correct as c-line shows the connection information, Media IP address. So if it is natted it will be reflected there.

upvoted 8 times

Collabinski 2 years ago

With static NAT enabled on LAN2 of the Expressway-E, the c-line of the SIP INVITE has now been rewritten to c=IN IP4 64.100.0.10, and this means that when endpoint B sends outbound RTP media to endpoint A, this will be sent to IP address 64.100.0.10, the public NAT address of the NAT router, which is 1:1 NATed to the LAN2 IP address of the Expressway-E, 10.0.10.2. As RTP media from endpoint B arrives at the NAT router with a destination IP address of 64.100.0.10, the NAT router will forward these packets to the Expressway-E at 10.0.10.2 and two-way media is achieved.
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-5/Cisco-Expressway-Basic-Configuration-Deployment-Guide-X8-5-2.pdf

upvoted 3 times

Simdude 4 years, 1 month ago

it should be D

upvoted 1 times

Simdude 4 years, 1 month ago

it should be DNo it shouldn't. B is correct.

upvoted 1 times

iamnoone Most Recent 1 year, 5 months ago

No it shouldn't. B is correct.

upvoted 1 times

Question #4 *Topic 1*

A company is installing Cisco Collaboration infrastructure and one of the requirements is that they must be able to communicate with many external parties that are using H.323 and SIP. Internally they want to register the endpoints only on SIP.
Which functionality would describe the feature that needs to be enabled and where to achieve this?

A. Interworking in Expressway-C

B. Transcoding in Cisco Unified Communications Manager

C. Transcoding in Expressway-C

D. Interworking in Cisco Unified Communications Manager

Suggested Answer: *A*
Official Answer: A

Community vote distribution
A (100%)

ocero Most Recent 1 year, 10 months ago
Answer is Ajavascript:void(0)
upvoted 1 times

Collabinski 3 years ago
By default, the Expressway acts as a SIP–H.323 and H.323–SIP gateway but only if at least one of the endpoints that are involved in the call is locally registered. You can change this setting so that the Expressway acts as a SIP–H.323 gateway regardless of whether the endpoints involved are locally registered. You also have the option to disable interworking completely. The options for the H.323 SIP interworking mode are: • Off: The Expressway does not act as a SIP–H.323 gateway. • Registered only: The Expressway acts as a SIP–H.323 gateway but only if at least one of the endpoints is locally registered. • On: The Expressway acts as a SIP–H.323 gateway regardless of whether the endpoints are locally registered.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-2/exwy_b_cisco-expressway-administrator-guide-x1402.pdf
upvoted 3 times

TestingAAgain 3 years, 7 months ago
Answer is A
upvoted 2 times

msully 3 years, 8 months ago
Answer is A
upvoted 2 times

chacthor 4 years ago
Should be A
upvoted 2 times

tilo1988 4 years, 1 month ago
change the correct answer to A please
upvoted 1 times

leigh1141 4 years, 11 months ago
Interworking - interworking is required on expressway seriers to interwork h.323 to SIP calls. CUCM is SIP only and does not support H.323 calls. Inteworking for B2B calls is always done at expressway level
upvoted 2 times

Mark03 5 years ago
Answer is A Interworking to convert between SIP and H323
upvoted 2 times

Abhishek1610 5 years, 1 month ago
Correct answer is A. Interworking in Expressway-C
upvoted 1 times

mactian007 5 years, 2 months ago
Answer should be A

upvoted 3 times

khader09 5 years, 4 months ago

B. Transcoding in Cisco Unified Communications Manager. Using g.711 codec internally and 729 externally.

upvoted 2 times

BangBang86 5 years, 6 months ago

No transcoding is needed here, since there is no need to convert codecs, instead interworking from SIP to H.323 and vice-versa for the signaling.

upvoted 4 times

Question #5 *Topic 1*

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

A. You must have the Intercluster Sync Agent working across your IM and Presence clusters.

B. You must have the Intercluster Lookup Service working across all of your IM and Presence clusters.

C. Your IM and Presence Service clusters must have Multiple Device Messaging disabled.

D. AXL service should be activated only on the publisher of each IM and Presence cluster.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

• If you have multiple IM and Presence Service clusters, you must have the Intercluster Sync Agent (ICSA) working across them.
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-message-deployment-guide_chapter_01.html

upvoted 3 times

Ol_Mykhailiuk 2 years, 3 months ago

The Cisco Sync Agent must be running on the database publisher node of each intercluster peer on the local and remote IM and Presence database publisher nodes.

upvoted 1 times

Mark03 4 years ago

A is correct https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/im_presence/configAdminGuide/11_5_1/cup0_b_config-and-admin-guide-1151su5/cup0_b_imp-system-configuration-1151su5_chapter_01100.pdf

upvoted 4 times

Question #6 *Topic 1*

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

A. Internal endpoints cannot use addresses from the private address space.

B. The NAT ALG cannot inspect the contents of encrypted signaling messages.

C. NAT ALG introduces jitter in the voice path.

D. Source addresses cannot provide the destination addresses that remote endpoints should use for return packets.

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

rob79 Highly Voted 3 years, 4 months ago
NAT ALGs never work anyway.
upvoted 9 times

Collabinski Most Recent 2 years ago
Answer is B
upvoted 1 times

msully 2 years, 8 months ago
Answer is B https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/basic_config/exwy_b_cisco-expressway-e-and-expressway-c-basic-configuration-deployment-guide-x14-0/exwy_m_advanced-networking-deployments.html
upvoted 2 times

leigh1141 3 years, 11 months ago
The NAT ALG cannot inspect the contents of encrypted signaling message - https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/srnd/collab11/collab11/security.html
upvoted 2 times

Mark03 4 years ago
Answer is B - AKREM86 is right
upvoted 1 times

AKREM86 4 years, 1 month ago
Ref: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/srnd/collab11/collab11/security.html
upvoted 2 times

khader09 4 years, 4 months ago
A NAT ALG is similar to a firewall ALG, but a NAT ALG actually changes (maps) the addresses and ports in the signaling messages. The NAT ALG cannot inspect the contents of encrypted signaling messages.
upvoted 4 times

Question #7 *Topic 1*

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

A. The MRA license is missing on the Expressway-E.

B. The Unified Communications zone is down.

C. Transform is not configured on Expressway-E.

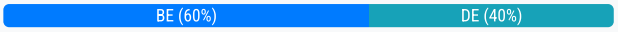
D. The SRV record for _cisco-uds is misconfigured.

E. The firewall is blocking the port.

Suggested Answer: *B, E*

Official Answer: BE

Community vote distribution



BangBang86 Highly Voted 4 years, 6 months ago

Either port blocked, or the UC traversal zone is down.

upvoted 6 times

somedudebob Highly Voted 4 years, 2 months ago

Traffic is coming from the internet so can not be the cisco_uds record, as it is created on the internal DNS only. Collab_edge is the external DNS record. It has to be port blocked or traversal zone down

upvoted 6 times

Collabinski Most Recent 2 years ago

D & E are correct. The links in the comments do not refer to UC Zone at all.

upvoted 1 times

cyberknock 2 years, 1 month ago

there is no unified communications zone, it is for sure DE, the _cisco-uds record must be present

upvoted 1 times

preki10 2 years, 2 months ago

There is no "Unified Communications zone", B can't be right....cannot assume it refers to "Unified Communications traversal zone"

upvoted 1 times

TestingAAgain 2 years, 7 months ago

Traffic coming through an MRA pair (C&E) DOES use the _cisco-uds record to get from the C to CUCM. B is wrong because there is no unified Communications Zone (there is a UC Traversal zone, close, but different) in the expressway. Since the 8443 traffic is actually destined for CUCM, if the _cisco-uds record is botched, it won't get there...and thus it will be unreachable.

upvoted 3 times

msully 2 years, 8 months ago

B and E. Collab-edge is used for MRA, not UDS.

upvoted 5 times

chacthor 3 years ago

Should be BE

upvoted 4 times

rlcabrini 4 years ago

https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc6 Topic 1 B - The Unified Communications zone is down. E - Firewall is blocking.Nothing in this link specifies anything about a "UC Zone". It does mention both the _cisco-uds SRV and firewalls blocking ports,

upvoted 4 times

rlcabrini 4 years ago

https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc6 Topic 1 B - The Unified Communications zone is down. E - Firewall is blocking.

upvoted 4 times

Collabinski 2 years, 1 month ago

Nothing in this link specifies anything about a "UC Zone". It does mention both the _cisco-uds SRV and firewalls blocking ports,

upvoted 1 times

khader09 4 years, 4 months ago

D and E are correct

upvoted 1 times

khader09 4 years, 4 months ago

D and E are correctNot D, cisco-uds is an internal srv, collab-edge is the external (internet facing) srv record

upvoted 1 times

msully 3 years ago

Not D, cisco-uds is an internal srv, collab-edge is the external (internet facing) srv record

upvoted 2 times

Question #8 *Topic 1*

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

A. Advanced Encryption Standard

B. IPsec

C. Triple Data Encryption Standard

D. force unencrypted

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

khader09 Highly Voted 4 years, 10 months ago

D. force unencrypted

upvoted 7 times

aocstr Most Recent 2 years ago

answer is D

upvoted 3 times

Collabinski 2 years, 6 months ago

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-1/exwy_b_cisco-expressway-administrator-guide-x14-0-1/exwy_m_zones-and-neighbors.html

upvoted 1 times

Collabinski 2 years, 6 months ago

The encryption mode options are: • Force encrypted: All media to and from the zone/subzone must be encrypted. If the target system/endpoint is configured to not use encryption, then the call will be dropped. • Force unencrypted: All media must be unencrypted. If the target system/endpoint is configured to use encryption, then the call may be dropped; if it is configured to use Best effort then the call will fall back to unencrypted media. • Best effort: Use encryption if available, otherwise fall back to unencrypted media. • Auto: No specific media encryption policy is applied by the Expressway. Media encryption is purely dependent on the target system/endpoint requests. This is the default behavior and is equivalent to how the Expressway operated before this feature was introduced. Encryption policy (any encryption setting other than Auto) is applied to a call by routing it through a back-to-back user agent (B2BUA) hosted on the Expressway.

upvoted 2 times

chacthor 3 years, 6 months ago

Should be D

upvoted 1 times

Abhishek1610 4 years, 8 months ago

Available modes are "Force encrypted, Force unencrypted, Auto and Best Effort" So the answer is option D - "Force unencrypted".

upvoted 4 times

BangBang86 5 years ago

Available modes are "Force encrypted, Force unencrypted, Auto and Best Effort".

upvoted 4 times

Question #9 *Topic 1*

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

A. A transform has the function as a neighbor zone in the Expressway. It creates a connection with another server.

B. A transform changes the audio codec when the call goes through the Expressway.

C. A transform is used to route calls to a destination.

D. A transform changes an alias that matches certain criteria into another alias.

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Collabinski Most Recent 2 years ago

Pre-search transform configuration allows the destination alias (called address) in an incoming search request to be modified. The Expressway applies the transformation before any searches are sent to external zones.

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/basic_config/exwy_b_cisco-expressway-e-and-expressway-c-basic-configuration-deployment-guide-x14-0/exwy_m_routing-configuration.html

upvoted 2 times

cyberknock 2 years, 1 month ago

D is true

upvoted 2 times

khader09 4 years, 4 months ago

D is correct

upvoted 4 times

Question #10 *Topic 1*

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

A. _sips._tcp.example.com

B. _sips._udp.example.com

C. _h323ls._udp.example com

D. _h323ls._tcp.example.com

E. _collab-edge._tls.example.com

Suggested Answer: *A, C*
Official Answer: AC

Community vote distribution
AC (100%)

Collabinski Most Recent 2 years ago
The format of DNS SRV queries for sip (RFC 3263) and H.323 used by Expressway are: • _sips._tcp. • _sip._tcp. • _sip._udp. - not recommended for video calls, only use for audio-only calls • _h323ls._udp. - for UDP location (RAS) signaling, such as LRQ • _h323cs._tcp. - for H.323 call signaling https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-6/exwy_b_cluster-creation-maintenance-deployment-guide/exwy_b_cluster-creation-maintenance-deployment-guide_chapter_01010.html#concept_F5323B1B7F8CED8A4ACEE5D70EC43C4B
upvoted 1 times

msully 2 years, 8 months ago
A and C. Official cert guide page 204
upvoted 1 times

chamba87 3 years, 11 months ago
The format of DNS SRV queries for sip (RFC 3263) and H.323 used by Expressway are: _sips._tcp. _sip._tcp. _sip._udp. - not recommended for video calls, only use for audio-only calls _h323ls._udp. - for UDP location (RAS) signaling, such as LRQ _h323cs._tcp. - for H.323 call signaling The format of DNS SRV queries for sip (RFC 3263) and H.323 typically used by an endpoint are: _sips._tcp. _sip._tcp. _sip._udp. - not recommended for video calls, only use for audio-only calls _h323ls._udp. - for UDP location (RAS) signaling, such as LRQ _h323cs._tcp. - for H.323 call signaling _h323rs._udp. - for H.323 registrations
upvoted 1 times

Mark03 4 years ago
That is correct, A & C
upvoted 1 times

khader09 4 years, 4 months ago
A and C are correct
upvoted 3 times

Question #11 *Topic 1*

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

A. 1024

B. 2048

C. 4096

D. 8192

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

iamnoone Most Recent 1 year, 5 months ago

It's not specified in the documentation, but it's common as a best practice to use 4096 nowadays. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-3/cert_creation_use/exwy_b_cisco-expressway-certificate-creation-and-use-deployment-guide-x14-3/exwy_m_generating-a-certificate-signing-request.html

upvoted 1 times

Collabinski 2 years ago

Certificates with Key Length of 8192 Bits SIP TLS zones may fail to become active if certificates use a key length of 8192 bits. We recommend using certificates with a key length of 4096 bits. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-5/exwy_b_certificate-creation-use-deployment-guide/exwy_b_certificate-creation-use-deployment-guide_chapter_01000.html

upvoted 1 times

Ol_Mykhailiuk 2 years, 3 months ago

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-5/exwy_b_certificate-creation-use-deployment-guide/exwy_b_certificate-creation-use-deployment-guide_chapter_01000.html#:~:text=We%20recommend%20using%20certificates%20with%20a%20key%20length%20of%204096%20bits. SIP TLS zones may fail to become active if certificates use a key length of 8192 bits. We recommend using certificates with a key length of 4096 bits.

upvoted 1 times

leigh1141 3 years, 11 months ago

Answer is D - https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdfTypo in answer it's C - 4096

upvoted 1 times

leigh1141 3 years, 11 months ago

Answer is D - https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdf

upvoted 1 times

leigh1141 3 years, 11 months ago

Typo in answer it's C - 4096

upvoted 2 times

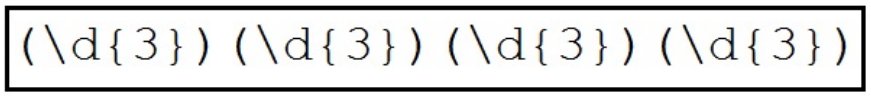
khader09 4 years, 4 months ago

recommend using certificates with a key length of 4096 bits.

upvoted 3 times

Question #12 *Topic 1*

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



A. d20d16d20d22

B. 2091652010224

C. 209165200225

D. d209d165d200d224

E. 209165200224

Suggested Answer: *C, E*

Official Answer: CE

Community vote distribution

CE (100%)

iamnoone Most Recent 1 year, 5 months ago

\d: This is a special sequence in regex that matches any digit (equivalent to [0-9]). {3}: This is a quantifier that specifies exactly how many times the preceding element should be repeated. In this case, it means that exactly three digits should be matched. (\d{3}): The parentheses around \d{3} create a capture group. This means that the matched sequence of three digits is stored as a group, which can be referenced later in the regex or in the code that uses the regex. So, the entire regex (\d{3})(\d{3})(\d{3})(\d{3}) matches a string that consists of four groups of exactly three digits each. C&E contain 4 groups of 3 digits.

upvoted 1 times

Collabinski 2 years ago

The third use of backslash is for specifying generic character types. The following are always recognized: \d any decimal digit \D any character that is not a decimal digit \s any whitespace character \S any character that is not a whitespace character \w any "word" character \W any "non-word" character \d{8} matches exactly 8 digits. An opening curly bracket that appears in a position where a quantifier is not allowed, or one that does not match the syntax of a quantifier, is taken as a literal character.

upvoted 1 times

JamieF66 3 years, 4 months ago

CE are correct

upvoted 2 times

Question #13 *Topic 1*

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

A. The video call is using encryption, which is not supported by ICE with CUCM 12.5

B. ICE cannot reduce the packet loss on the link

C. A STUN cannot punch holes in the firewall

D. The video call is using 4K resolution, which is not supported by ICE with CUCM 12.5

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

virtu Highly Voted 4 years ago
The answer is C "Those addresses (A, B, and C) populate the SIP SDP offer and answer as ICE candidates, and after the signaling has gone through, both endpoints will have the remote party ICE candidate addresses. It is at that point that the endpoints do a connectivity check by sending STUN messages to one another in an attempt to punch transport holes in the firewalls in order to establish media connectivity between peers." https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.html
upvoted 11 times

jagifoto Most Recent 1 year, 11 months ago
Answer is C. https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.html
upvoted 1 times

Collabinski 2 years ago
Interactive Connectivity Establishment (ICE), defined in RFC 8445, is a protocol that combines STUN and TURN. Using ICE, endpoints can determine if there is direct connectivity between them and will then apply the STUN hole-punching techniques to keep the firewall ports opened, thus allowing for both inbound and outbound media traffic. If direct media connectivity cannot be achieved, the endpoints will fall back to the TURN server and will send their UDP traffic centrally instead of going peer-to-peer. https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.html
upvoted 3 times

msully 2 years, 8 months ago
As virtu said, the answer is C
upvoted 1 times

Question #14 *Topic 1*

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

A. It controls which calls are allowed, which calls are rejected, and which calls are redirected to a different destination.

B. It changes the calling and called number on a call.

C. It changes the audio protocol used by a call through Expressways.

D. It changes the audio codec used in a call through Expressways.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

iamnoone Most Recent 1 year, 5 months ago

Call Policy plays a key role in preventing toll fraud on Cisco Expressways by enabling administrators to define rules that determine how calls are handled based on their source and destination. Specifically, Call Policy allows the following actions: 1) Allowing calls: Permitting legitimate calls to proceed. 2) Rejecting calls: Blocking unauthorized or suspicious calls, such as those associated with toll fraud attempts. 3) Redirecting calls: Sending calls to a different destination if necessary. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2025/pdf/BRKCOL-2116.pdf

upvoted 1 times

Collabinski 2 years ago

You can set up rules to control which calls are allowed, which calls are rejected, and which calls are to be redirected to a different destination. These rules are known as Call Policy (or Administrator Policy). If Call Policy is enabled and has been configured, each time a call is made the Expressway will execute the policy in order to decide, based on the source and destination of the call, whether to: • Proxy the call to its original destination. • Redirect the call to a different destination or set of destinations. • Reject the call.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html#concept_8876F177CE697E827E6FD343D743CC1F

upvoted 3 times

Question #15 *Topic 1*

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

A. The signaling makes it back to the endpoint because the firewall is an application layer gateway and provides address translation.

B. Encrypted IP traffic for collaboration devices always is trusted by the firewall.

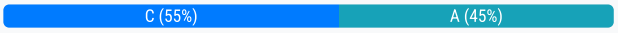
C. The signaling does not make it back to the endpoint because the firewall cannot inspect encrypted traffic.

D. The signaling makes it back to the endpoint because the endpoint sent the private address to the external endpoint.

Suggested Answer: *A*

Official Answer: A

Community vote distribution



khader09 Highly Voted 4 years, 4 months ago

The signaling does not make it back to the endpoint because the firewall cannot inspect encrypted traffic.

upvoted 8 times

TestingAAgain Highly Voted 2 years, 8 months ago

Don't like this question. However, the key to the question is that we're talking about signaling that is encrypted. That means TLS over TCP/IP. Since the station is initiating the connection to the outside via TCP/IP (with TLS on top), the signaling traffic will go through, and return traffic come back via the dynamic NAT from the firewall. Has nothing to do with the traffic being "always trusted" though. The media is a different story. Media exchange would fail as the device would not be reachable from the outside without additional collaboration ifnrastructure unless you are using some form of static NAT. So, the best answer here is A.A NAT ALG is similar to a firewall ALG, but a NAT ALG actually changes (maps) the addresses and ports in the signaling messages. The NAT ALG cannot inspect the contents of encrypted signaling messages. Answer C

upvoted 5 times

TestingAAgain 2 years, 8 months ago

Selected Answer: A

Don't like this question. However, the key to the question is that we're talking about signaling that is encrypted. That means TLS over TCP/IP. Since the station is initiating the connection to the outside via TCP/IP (with TLS on top), the signaling traffic will go through, and return traffic come back via the dynamic NAT from the firewall. Has nothing to do with the traffic being "always trusted" though. The media is a different story. Media exchange would fail as the device would not be reachable from the outside without additional collaboration ifnrastructure unless you are using some form of static NAT. So, the best answer here is A.

upvoted 5 times

iulianm 2 years, 6 months ago

A NAT ALG is similar to a firewall ALG, but a NAT ALG actually changes (maps) the addresses and ports in the signaling messages. The NAT ALG cannot inspect the contents of encrypted signaling messages. Answer C

upvoted 1 times

d32aece Most Recent 6 months, 2 weeks ago

C. The signaling does not make it back to the endpoint because the firewall cannot inspect encrypted traffic.

upvoted 1 times

daniepad 1 year, 2 months ago

C. The signaling does not make it back to the endpoint because the firewall cannot inspect encrypted traffic. Here's why: When a collaboration device is behind a firewall with a private IP, it cannot be directly reached from the outside world unless NAT traversal or a specific collaboration infrastructure is in place. If the signaling is encrypted (e.g., SIP over TLS), the firewall cannot inspect or modify the payload to help with NAT traversal. This makes C the most technically accurate and complete explanation.

upvoted 1 times

Collabinski 2 years ago

If the signaling flows do not go through the firewall so that the firewall can inspect the signaling traffic, the RTP streams could be blocked because the firewall will not know which ports need to be opened to allow the RTP streams for a conversation.

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/srnd/collab12/collab12/security.html

upvoted 2 times

cyberknock 2 years, 1 month ago

Answer C, because firewall cannot inspect the encrypted traffic and is not able to rewrite ip addresses

upvoted 2 times

BangBang86 4 years, 6 months ago

The signaling does not make it back.

upvoted 1 times

Question #16 *Topic 1*

Which statement about scheduling Expressway backups is true?

A. It is not supported on the application.

B. It is allowed from the application CLI of the Expressway only.

C. It is allowed from the application CLI and GUI of the Expressway.

D. It is allowed from the application GUI of the Expressway only.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

BangBang86 Highly Voted 4 years, 6 months ago

Scheduling backups is not supported in the Expressway code.

upvoted 10 times

khader09 Highly Voted 4 years, 4 months ago

We cannot schedule backup

upvoted 5 times

Collabinski Most Recent 2 years ago

Scheduled backups are not supported for Cisco Expressways. This Community thread talks about how to automate outside of Cisco.
https://community.cisco.com/t5/telepresence-and-video-infrastructure/how-to-automate-expressway-e-and-c-backups/m-p/4305067

upvoted 4 times

cyberknock 2 years, 1 month ago

Scheduling Backups will come in X15 next year. Correct anser A

upvoted 1 times

kljw5 2 years, 9 months ago

These answers are all incorrect or have been resolved in recent updates. Backups are available in the GUI. They save Call Details and Certificates. There are other new questions in this exam that are similar. Be sure to update with new admin guide information.

upvoted 1 times

kljw5 2 years, 9 months ago

These answers are all incorrect or have been resolved in recent updates. Backups are available in the GUI. They save Call Details and Certificates. There are other new questions in this exam that are similar. Be sure to update with new admin guide information.I stand corrected. the question is about scheduling backups. "scheduling" is not a feature available.

upvoted 1 times

kljw5 2 years, 9 months ago

I stand corrected. the question is about scheduling backups. "scheduling" is not a feature available.

upvoted 1 times

chacthor 3 years ago

Should be A

upvoted 2 times

Question #17 *Topic 1*

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

A. unsolicited notify

B. RFC 2833

C. KPML

D. passthrough

E. H.245 user input indication

Suggested Answer: *B, E*

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

Community vote distribution

BE (100%)

jonycakes Highly Voted 3 years, 1 month ago

B&E: When the Expressway is interworking a call between SIP and H.323, it also interworks the DTMF signaling, but only between RFC 2833 DTMF, and the H.245 user input indicators "dtmf" and "basicString". Source: https://jerome.pro:8443/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X12-5.pdf

upvoted 5 times

Collabinski Most Recent 2 years ago

Interworking DTMF signals For SIP calls, the Expressway implements RFC 2833 for DTMF signaling in RTP payloads. For H.323 calls, the Expressway implements H.245 UserInputIndication for DTMF signaling. dtmf is the only supported UserInputCapability. Expressway does not support any other H.245 user input capabilities (eg. basicString, generalString) When the Expressway is interworking a call between SIP and H.323, it also interworks the DTMF signaling, but only between RFC 2833 DTMF, and the H.245 user input indicators “dtmf” and “basicString”. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-2/exwy_b_cisco-expressway-administrator-guide-x1402.pdf

upvoted 2 times

Question #18 *Topic 1*

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

A. RTP

B. TLS

C. SNMP

D. ICE

Suggested Answer: *D*

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

Community vote distribution

D (100%)

Collabinski 2 years ago

Selected Answer: D

ICE makes use of Traversal Using Relay NAT (TURN) and Session Traversal Utilities for NAT (STUN) to optimize the media path of MRA calls.

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

upvoted 3 times

Collabinski 2 years ago

ICE makes use of Traversal Using Relay NAT (TURN) and Session Traversal Utilities for NAT (STUN) to optimize the media path of MRA calls. https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.htmlWhere is Cisco 300-820 questions ? I don't see it here anymore. Only in discussions.

upvoted 3 times

Tristam22 Most Recent 1 year, 11 months ago

Where is Cisco 300-820 questions ? I don't see it here anymore. Only in discussions.

upvoted 4 times

Question #19 *Topic 1*

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

A. call records

B. log files

C. IP addresses

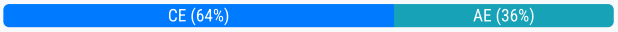
D. current call states

E. security certificates

Suggested Answer: *C, E*

Official Answer: CE

Community vote distribution



jonycakes Highly Voted 4 years, 3 months ago

What Gets Backed Up: A&E The data saved to a backup file includes: ■ Bootstrap key (from X8.11) ■ System configuration settings ■ Clustering configuration ■ Local authentication data (but not Active Directory credentials for remotely managed accounts) — User account and password details — Server security certificate and private key ■ Call detail records (if the CDR service on Expressway is enabled)

Source: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X8-11-4.pdf

upvoted 8 times

jonycakes Highly Voted 4 years, 3 months ago

What Gets Backed Up: A&E The data saved to a backup file includes: ■ Bootstrap key (from X8.11) ■ System configuration settings ■ Clustering configuration ■ Local authentication data (but not Active Directory credentials for remotely managed accounts) — User account and password details — Server security certificate and private key ■ Call detail records (if the CDR service on Expressway is enabled) Source: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X8-11-4.pdfthen it should be A&CI think A & E make the most sense based on this document but IP addresses is rather ambiguous and could fall under system configuration settings...Definitely a loaded question. E. is a given, but for Call Records to work the CDR service on expressway need to be enabled and IP addresses are found in the System Config. I couldn't see why an admin would not enable CDR since it has many benefits, so I think I would choose A over C since it's pretty vague.

upvoted 8 times

AAMM 3 years, 8 months ago

then it should be A&C

upvoted 1 times

AAMM 3 years, 8 months ago

then it should be A&CI think A & E make the most sense based on this document but IP addresses is rather ambiguous and could fall under system configuration settings...

upvoted 1 times

Omitted 3 years, 8 months ago

I think A & E make the most sense based on this document but IP addresses is rather ambiguous and could fall under system configuration settings...

upvoted 2 times

Collabinski 3 years ago

Definitely a loaded question. E. is a given, but for Call Records to work the CDR service on expressway need to be enabled and IP addresses are found in the System Config. I couldn't see why an admin would not enable CDR since it has many benefits, so I think I would choose A over C since it's pretty vague.

upvoted 1 times

TestingAAgain 3 years, 8 months ago

Selected Answer: CE

I just labbed this up as I was confused. call records are only backed up if selected. They are not backed up by default. Current call states are not backed up. Lot files are not backed up. However IP Addresses are part of the configuration, as are the SSL certificates (both server and CA that have been loaded. The correct answers are C and E

upvoted 5 times

TestingAAgain 3 years, 8 months ago

I just labbed this up as I was confused. call records are only backed up if selected. They are not backed up by default. Current call states are not backed up. Lot files are not backed up. However IP Addresses are part of the configuration, as are the SSL certificates (both server and CA that have been loaded. The correct answers are C and EThe question (here at least) isn't asking what is backed up by default though.True it isn't. But you only get 2 answers and IP addresses and SSL certs are backed up by default. CDR isn't. Which two you gonna chose?

upvoted 5 times

Omitted 3 years, 8 months ago

The question (here at least) isn't asking what is backed up by default though.

upvoted 1 times

Omitted 3 years, 8 months ago

The question (here at least) isn't asking what is backed up by default though.True it isn't. But you only get 2 answers and IP addresses and SSL certs are backed up by default. CDR isn't. Which two you gonna chose?

upvoted 1 times

TestingAAgain 3 years, 7 months ago

True it isn't. But you only get 2 answers and IP addresses and SSL certs are backed up by default. CDR isn't. Which two you gonna chose?

upvoted 2 times

ingbioriznova Most Recent 1 year, 11 months ago

It is C and E because according to this link the system configuration includes the IP address:https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-1/exwy_b_cisco-expressway-administrator-guide-x14-0-1/exwy_m_maintenance.html#reference_34747E548B7AAE12D29DFD43A90B3A8D

upvoted 2 times

sandman0409 2 years, 5 months ago

think it should be A&E. Cisco didn't mention about IP addresses being backed up by Expressway servers. Source: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-1/exwy_b_cisco-expressway-administrator-guide-x14-0-1/exwy_m_maintenance.html

upvoted 2 times

RafaKarz 2 years, 5 months ago

Explanation: The data saved to a backup file includes: Bootstrap key (from X8.11) System configuration settings Clustering configuration Local authentication data (but not Active Directory credentials for remotely managed accounts) User account and password details Server security certificate and private key Call detail records (if the CDR service on Expressway is enabled) https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco- Expressway-Administrator-Guide-X8-11-4.pdf

upvoted 2 times

Collabinski 3 years ago

Tough question. I would probably choose A & E

upvoted 2 times

cyberknock 3 years, 1 month ago

There are no call records, they are called Call Detail Records. C&E is the correct answer here.

upvoted 2 times

kc10boom 4 years, 3 months ago

A and E.

upvoted 4 times

Question #20 *Topic 1*

Which connection does the traversal zone configuration define?

A. Expressway-E and Collaboration Endpoints

B. Cisco UCS E-Series and Cisco UCM

C. Cisco UC and Cisco Unified Presence Server

D. Cisco Expressway-C and Cisco Expressway-E platforms

Suggested Answer: *D*
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

Currently there are no comments in this discussion, be the first to comment!

Question #21 *Topic 1*

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

A. STUN

B. RTP

C. SNMP

D. TURN

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

Currently there are no comments in this discussion, be the first to comment!

Question #22 *Topic 1*

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

A. Off

B. Best Effort

C. Auto

D. Force Encrypted

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

undertabler Highly Voted 4 years ago
Answer C: Auto - no specific media encryption policy is applied by the Expressway. Media encryption is purely dependent on the target system/endpoint requests. This is the default behavior and is equivalent to how the Expressway operated before this feature was introduced.
upvoted 7 times

rob79 Highly Voted 4 years, 1 month ago
This should be C "Auto"
upvoted 5 times

ocero Most Recent 1 year, 10 months ago
Page 21. https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X8-10.pdf As the new media encryption mode is off by default, it is off for the CEtls zones that are automatically created for MRA. These zones are not editable through the web interface. To use AES GCM media encryption with MRA. Tricky question
upvoted 1 times

Collabinski 3 years ago
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-1/exwy_b_cisco-expressway-administrator-guide-x14-0-1/exwy_m_zones-and-neighbors.html
upvoted 1 times

Collabinski 3 years ago
The encryption mode options are: • Force encrypted: All media to and from the zone/subzone must be encrypted. If the target system/endpoint is configured to not use encryption, then the call will be dropped. • Force unencrypted: All media must be unencrypted. If the target system/endpoint is configured to use encryption, then the call may be dropped; if it is configured to use Best effort then the call will fall back to unencrypted media. • Best effort: Use encryption if available, otherwise fall back to unencrypted media. • Auto: No specific media encryption policy is applied by the Expressway. Media encryption is purely dependent on the target system/endpoint requests. This is the default behavior and is equivalent to how the Expressway operated before this feature was introduced. Encryption policy (any encryption setting other than Auto) is applied to a call by routing it through a back-to-back user agent (B2BUA) hosted on the Expressway.
upvoted 1 times

Collabinski 3 years, 1 month ago
This has been verified on my local Expressway. Auto is the default
upvoted 1 times

cyberknock 3 years, 1 month ago
This is C for sure
upvoted 1 times

preki10 3 years, 2 months ago
Default: Auto
upvoted 1 times

chacthor 4 years ago
Should be C
upvoted 2 times

Question #23 *Topic 1*

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

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

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

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

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

Suggested Answer: *A*
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

Currently there are no comments in this discussion, be the first to comment!

Question #24 *Topic 1*

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

A. call routing

B. traversal subzone

C. call policy

D. search rule

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Collabinski Most Recent 2 years ago

D is correct

upvoted 1 times

Ol_Mykhailiuk 2 years, 3 months ago

Search rules specify the range of telephone numbers / URIs to be handled by this neighbor Unified CM. They can also be used to transform URIs before they are sent to the neighbor

upvoted 2 times

TestingAAgain 2 years, 7 months ago

Answer is D. Reference: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-1/Cisco-Expressway-SIP-Trunk-to-Unified-CM-Deployment-Guide-CUCM-8-9-and-X8-1.pdf

upvoted 2 times

msully 2 years, 8 months ago

Search rules

upvoted 1 times

chacthor 3 years ago

Should be D

upvoted 2 times

tilo1988 3 years, 1 month ago

Why adminstrator doesn't change it? It's D (search rule).

upvoted 4 times

tilo1988 3 years, 1 month ago

Why adminstrator doesn't change it? It's D (search rule).He must be changing millions of answers from other exams

upvoted 4 times

chacthor 3 years ago

He must be changing millions of answers from other exams

upvoted 1 times

veraiden 3 years, 3 months ago

Should Be "Search Rule"

upvoted 3 times

rob79 3 years, 4 months ago

This should be D search rule.

upvoted 4 times

Question #25 *Topic 1*

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

A. connection

B. name

C. version

D. bandwidth

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

rob79 Highly Voted 3 years, 1 month ago

This should be A connection

upvoted 9 times

Collabinski Most Recent 2 years ago

Tough question. You could almost be convinced it is B, but this doc mainly points to c= connection.

https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-5/Cisco-Expressway-Basic-Configuration-Deployment-Guide-X8-5-2.pdf

upvoted 1 times

cyberknock 2 years, 1 month ago

the c= line - connection

upvoted 2 times

chacthor 3 years ago

Should be A

upvoted 1 times

tilo1988 3 years, 1 month ago

the answer is A (connection), NOT B

upvoted 4 times

tilo1988 3 years, 1 month ago

c-line shows the connection information, Media IP address. So if it is natted it will be reflected there.

upvoted 2 times

tilo1988 3 years, 1 month ago

I think the answer is B. its attribute c-line=connection. There is no attribute "name"

upvoted 3 times

Question #26 *Topic 1*

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.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
Recommended: Dual NIC Static NAT Deployment The following example illustrates the recommended deployment. It shows the typical DMZ configuration where the internal and external firewalls cannot route directly to each other, and dual-NIC devices such as Expressway-E are required to validate and forward the traffic between the isolated subnets.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/basic_config/exwy_b_cisco-expressway-e-and-expressway-c-basic-configuration-deployment-guide-x14-0.pdf
upvoted 1 times

TestingAAgain 2 years, 8 months ago
C is the answer
upvoted 2 times

Mark03 4 years ago
C is correct, ask about Expressway and not firewall
upvoted 4 times

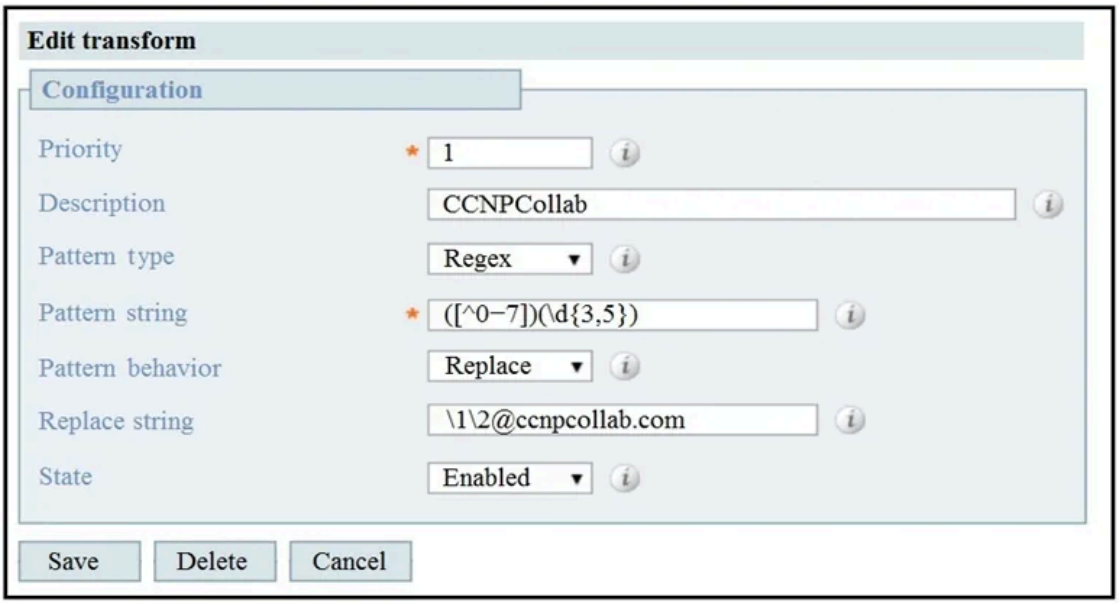
khader09 4 years, 4 months ago
B. A static NAT route could be added to the firewall to bridge the two networks.But the question asks what could be done on the Expressway, B is a change to the firewall. I believe C is correct
upvoted 1 times

khader09 4 years, 4 months ago
B. A static NAT route could be added to the firewall to bridge the two networks.
upvoted 1 times

somedudebob Highly Voted 4 years, 2 months ago
But the question asks what could be done on the Expressway, B is a change to the firewall. I believe C is correct
upvoted 7 times

Question #27 *Topic 1*

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



A. 98851@ccnpcollab.com

B. 88513@ccnpcollab com

C. 88514@ccnpcollab.com

D. 88515@ccnpcollab.com

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

BangBang86 Highly Voted 4 years, 6 months ago

The answer should be 88514@ccnpcollab.com, since the regex considers anything after digit 8 (excludes 1-7), leaves the rest intact, and replaces the domain. So in short terms, it simply adds the domain after the DN.

upvoted 5 times

BangBang86 Highly Voted 4 years, 6 months ago

The answer should be , since the regex considers anything after digit 8 (excludes 1-7), leaves the rest intact, and replaces the domain. So in short terms, it simply adds the domain after the DN.

upvoted 5 times

chamba87 3 years, 11 months ago

Answer is C i tested in the check pattern tool on a EXP-E

upvoted 5 times

Collabinski Most Recent 2 years ago

Side note. All of the aliases in the answers are a match to this Transform, so if it's specified in the question any other answer it would be correct. Verified on Expressway

upvoted 1 times

Collabinski 2 years ago

I tested this on my Expressway-C and the alias match was 88514.

upvoted 1 times

msully 2 years, 8 months ago

[1-7] excludes 1-7 and replaces the domain with ccnpcollab.com. C is correct

upvoted 2 times

chacthor 3 years ago

Should be C

upvoted 2 times

Simdude 4 years, 1 month ago

88514@ccnpcollab.com is correct

upvoted 1 times

Simdude 4 years, 1 month ago

 is correct

upvoted 1 times

khader09 4 years, 4 months ago

C. 88514@ccnpcollab.com

upvoted 4 times

khader09 4 years, 4 months ago

C.

upvoted 4 times

Question #28 *Topic 1*

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

A. any number in the drop-down menu

B. any number in the dialog box

C. any number between 1-128

D. any number between 1-65534

Suggested Answer: *D*
Official Answer: D

Community vote distribution
D (100%)

khader09 Highly Voted 4 years, 4 months ago
D. any number between 1-65534
upvoted 5 times

Collabinski Most Recent 2 years ago
Up to 100 pre-search transforms can be configured. Each transform must have a unique priority number between 1 and 65534.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html
upvoted 1 times

TestingAAgain 2 years, 8 months ago
D is the answer
upvoted 3 times

Mark03 4 years ago
Answer is D https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X8-6.pdf
upvoted 4 times

Question #29 *Topic 1*

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

A. traversal zone

B. DNS zone

C. default zone

D. neighbor zone

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

A is correct

upvoted 1 times

TestingAAgain 2 years, 8 months ago

A Traversal Zone

upvoted 3 times

khader09 4 years, 4 months ago

A. traversal zone

upvoted 4 times

Question #30 *Topic 1*

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

A. extended CPL

B. local CPL, policy service, and off

C. on

D. remote CPL

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

BangBang86 Highly Voted 4 years, 6 months ago
The possible modes are "local CPL, policy service, or off"
upvoted 7 times

khader09 Highly Voted 4 years, 4 months ago
B. local CPL, policy service, and off
upvoted 7 times

Collabinski Most Recent 2 years ago
B is correct
upvoted 1 times

Ol_Mykhailiuk 2 years, 3 months ago
The Call Policy mode controls from where the Expressway obtains its Call Policy configuration. The options are: ■ Local CPL: uses locally-defined Call Policy. ■ Policy service: uses an external policy service. ■ Off: Call Policy is not in use.
upvoted 3 times

dimitrof 2 years, 3 months ago
should be B
upvoted 1 times

Omitted 2 years, 8 months ago
Haven't taken the test but this question needs to be rephrased if these are the options.
upvoted 1 times

msully 2 years, 8 months ago
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X12-5-1.pdf Page 168
upvoted 1 times

chumleyex 2 years, 11 months ago
Everyone on here is wrong.. Let's read the question again, words are important on a cisco exam. "Which mode should be used when Call Policy is configured on Expressways?" not which modes are available, but which one should be used when it's configured on the expressway. This means it's a local and per the guide that is "On" which is the answer they have here.

page 170 https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X12-5-1.pdf
upvoted 3 times

chumleyex 2 years, 11 months ago
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off.The correct answer should be "local CPL" or "policy service" with the wording of the question. That isn't an option. I would not say "on" as that isn't a call policy mode.

upvoted 3 times

kljw5 2 years, 9 months ago

Being that there are 3 answers on the admin guide that can be selected. "ON" is not one of them. Correct answer should be local CPL, policy service, and off.

upvoted 1 times

Omitted 2 years, 8 months ago

The correct answer should be "local CPL" or "policy service" with the wording of the question. That isn't an option. I would not say "on" as that isn't a call policy mode.

upvoted 1 times

chacthor 3 years ago

Should be B

upvoted 1 times

tilo1988 3 years, 1 month ago

@Administrator: please change the correct Answer to B! It's known for 1 Year and 5 months.

upvoted 2 times

tilo1988 3 years, 1 month ago

@Administrator: please change the correct Answer to B! It's known for 1 Year and 5 months.But B is wrong and they have the answer correct. Would you have all 3 modes active to turn this feature on? No you wouldn't.

upvoted 2 times

chumleyex 2 years, 11 months ago

But B is wrong and they have the answer correct. Would you have all 3 modes active to turn this feature on? No you wouldn't.

upvoted 1 times

Mark03 4 years ago

B is the correct answer. There is no such a thing as "mode ON" for Policy Services

upvoted 4 times

AKREM86 4 years, 1 month ago

B is correct. Reference: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/admin_guide/Cisco-Expressway-Administrator-Guide-X12-5-1.pdf Page 168

upvoted 5 times

Question #31 *Topic 1*

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

A. transforms, CPL, user policy, search rules

B. search rules, zones, local zones

C. DNS zone, local zone, search rules

D. search rules, transforms

Suggested Answer: *A*
Official Answer: A

Community vote distribution
A (100%)

khader09 Highly Voted 4 years, 4 months ago
A. transforms, CPL, user policy, search rules
upvoted 5 times

khader09 Highly Voted 4 years, 4 months ago
A. transforms, CPL, user policy, search ruleswhat is user policy ?Find Me service
upvoted 5 times

Simdude 4 years, 1 month ago
what is user policy ?
upvoted 3 times

Simdude 4 years, 1 month ago
what is user policy ?Find Me service
upvoted 3 times

virtu 4 years ago
Find Me service
upvoted 4 times

Collabinski Most Recent 2 years ago
he pre-search transform function allows you to modify the alias in an incoming search request. The transformation is applied by the Expressway before any Call Policy (CPL) or User Policy is applied, and before any searches take place.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html#reference_18DBC558E34532EB78E9603EF988C3AB
upvoted 2 times

chacthor 3 years ago
Should be A
upvoted 1 times

immymortal 3 years, 2 months ago
Proof in the comments below.
upvoted 2 times

NotNStock 3 years, 10 months ago
A is the Answer... https://ccieme.wordpress.com/2016/11/07/14-4-cisco-vcs-dial-plan-components/
upvoted 3 times

chamba87 3 years, 11 months ago
A is correct. https://www.youtube.com/watch?v=XGV29NxHoVk
upvoted 2 times

Abhishek1610 4 years, 1 month ago
Correct answer is A
upvoted 2 times

BangBang86 4 years, 6 months ago
The right order is transforms, then CPL, and lastly Search Rules.

upvoted 2 times

Question #32 *Topic 1*

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

A. SIP trunk between Cisco Unified Communications Manager and Cisco Expressway-C

B. search rules in Cisco Expressway-E

C. SIP trunk between Cisco Unified Communications Manager and Cisco Expressway-E

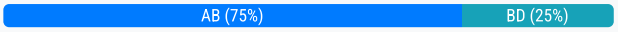
D. traversal client on a Cisco Expressway-E

E. DNS zone on a Cisco Expressway-C

Suggested Answer: *A, B*

Official Answer: AB

Community vote distribution



leigh1141 Highly Voted 4 years, 11 months ago

A and B

upvoted 8 times

khader09 Highly Voted 5 years, 4 months ago

A & B are correct

upvoted 5 times

sgtalex77 Most Recent 1 year, 8 months ago

A & B https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/213864-configure-business-to-business-audio-and.html

upvoted 1 times

Collabinski 3 years ago

https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/213864-configure-business-to-business-audio-and.html#anc14

upvoted 1 times

Collabinski 3 years ago

Step 1. SIP trunk between CUCM and Expressway-C After CUCM discovery is done by Expressway-C, Neighboring zone(s) are automatically configured for each node, and the transport protocol is discovered. When the CUCM cluster is configured in mixed mode there is one zone for Transmission Control Protocol (TCP) for non-secure traffic with destination port 5060 and 1 zone for TLS (Transport Layer Security) for secure traffic with destination port 5061. These ports can not be changed. The two zones are used for all edge calls to and from the edge endpoints. Inbound calls from the edge endpoints take the route of these auto-added zones and hence target TCP 5060 or TLS 5061 on CUCM. Step 4. Configure dialplan a.Transforms and/or Search Rules on Expressway-C and E From Expressway Administration page, navigate to Configuration > Dial Plan > Transforms y Configuration > Dial Plan > Transform or Search Rules

upvoted 3 times

Babas09 3 years, 7 months ago

Transversal Client is only expressway C. The good answers are AB

upvoted 2 times

TestingAAgain 3 years, 7 months ago

Selected Answer: BD

But what if there is no CUCM in the mix? You might have endpoints directly registered to the C, or to a TMS. You'd definately need search rules (B), but a B2B also requires a traversal zone, which means you'd need a traversal client on the E (answer D). And you'd have to have this even if you were using a CUCM (or not). So I think the answers here are B and D

upvoted 1 times

TestingAAgain 3 years, 7 months ago

But what if there is no CUCM in the mix? You might have endpoints directly registered to the C, or to a TMS. You'd definately need search rules (B), but a B2B also requires a traversal zone, which means you'd need a traversal client on the E (answer D). And you'd have to have this even if you were using a CUCM (or not). So I think the answers here are B and DOn Expressway-E you would need in that case a traversal server, not a client.

upvoted 1 times

RosadeColores 3 years, 4 months ago

On Expressway-E you would need in that case a traversal server, not a client.

upvoted 4 times

Question #33 *Topic 1*

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.

Suggested Answer: *B*

Official Answer: B

Community vote distribution

B (100%)

Collabinski Most Recent 2 years ago

The Expressway-E has both NICs enabled, and static NAT enabled on its outward-facing LAN interface. The Expressway-C inside the network is a traversal client of the Expressway-E in the DMZ. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/basic_config/exwy_b_cisco-expressway-e-and-expressway-c-basic-configuration-deployment-guide-x14-0/exwy_m_advanced-networking-deployments.html

upvoted 2 times

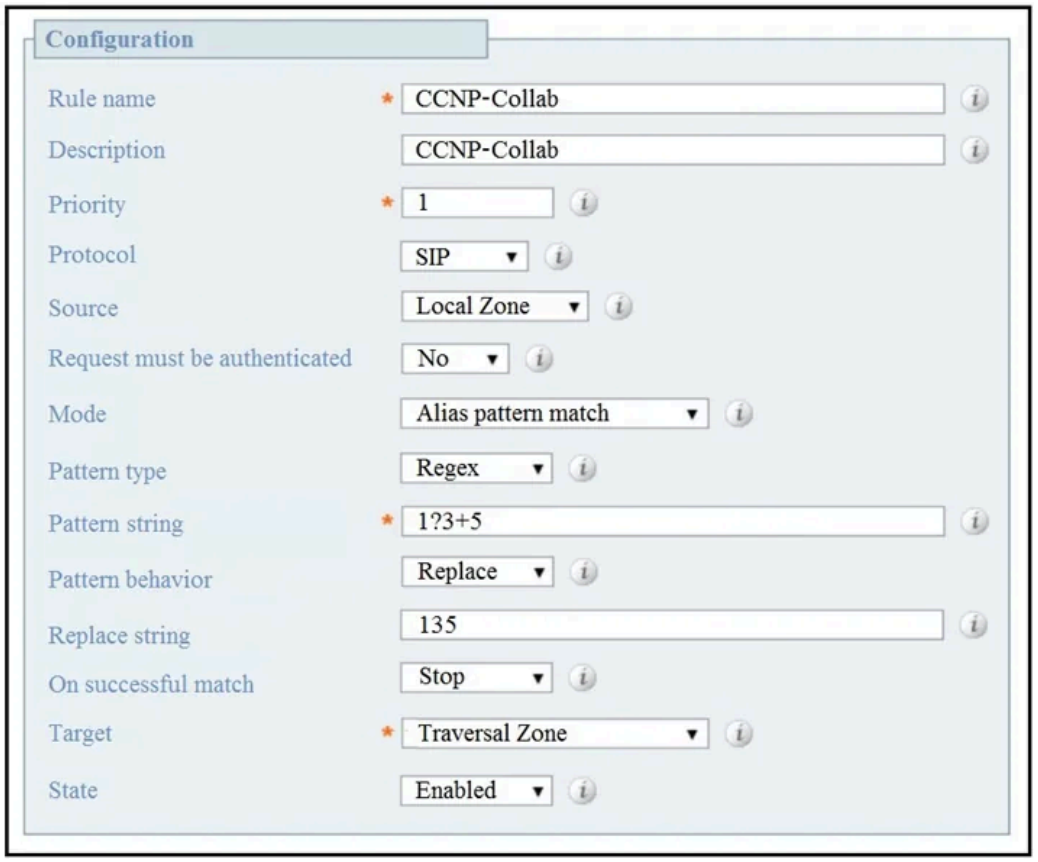
leigh1141 3 years, 11 months ago

B - Expressway E is to be natted only

upvoted 2 times

Question #34 *Topic 1*

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.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
D (100%)

Collabinski 2 years ago
Babasa09 is correct. I tested it on my Expressway and the match failed, so it would send it to the Traversal Zone. If you make the alias 1335 then there will be a successful match.
upvoted 1 times

Babas09 2 years, 7 months ago
Answer D For the response to be C, regex should be 1?3+58
upvoted 3 times

TestingAAgain 2 years, 8 months ago
None of the answers are correct. I dropped this all into the expression tester on an expressway in my lap, and it says that the pattern doesn't match. So, it would not be sent to the target zone, because it didn't match the pattern. The expressway would then continue to process the next search rule.
upvoted 2 times

kljw5 2 years, 9 months ago
So am i to understand C is the correct answer then? as it will match 1335 then stop and replace the string with 135?? or is D correct as the 13358 as a whole string doesn't match??????

upvoted 1 times

undertabler 3 years ago

There is no match 13358 so this search rule will not be applied. I believe there is a typo.

upvoted 2 times

tilo1988 3 years, 1 month ago

Based on LINK for Regex: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKCOL-2018.pdf * 0 or more repetitions of previous character or expression + 1 or more repetitions of previous character or expression ? 0 or 1 repetitions of previous character or expression

Based on Website (https://www.regextester.com/10544) there are a few options which meets this Regex:

135, 1335, 13335, 1333335 1135, 11335, 113335, 11333335

no match for 13358: D is correct

upvoted 2 times

tilo1988 3 years, 1 month ago

Based on LINK for Regex: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKCOL-2018.pdf * 0 or more repetitions of previous character or expression + 1 or more repetitions of previous character or expression ? 0 or 1 repetitions of previous character or expression Based on Website (https://www.regextester.com/10544) there are a few options which meets this Regex: 135, 1335, 13335, 1333335 1135, 11335, 113335, 11333335 no match for 13358: D is correctI think these are valid matches: 35,335,33335,33335 etc. 135,1335,13335,133335 etc. Because there is no way to get more then one 1 at the beginning. "?" says that the character before the "?" must be there 0 or 1 times.

upvoted 2 times

Krachowsky Most Recent 1 year, 10 months ago

I think these are valid matches: 35,335,33335,33335 etc. 135,1335,13335,133335 etc. Because there is no way to get more then one 1 at the beginning. "?" says that the character before the "?" must be there 0 or 1 times.

upvoted 1 times

ddrogi 4 years, 2 months ago

This is all wrong it should be 1358 and send to traversal zoneHi, why you are saying that it should be 1358? picture has a replace behavior without any append or something like thatBecause 13358 will not be matched by shown regex. 1335 will be matched.Yep, i check pattern, and it will work if matching alias will be 1335 without 8 in the end of string

upvoted 1 times

ddrogi 4 years, 2 months ago

This is all wrong it should be 1358 and send to traversal zone

upvoted 1 times

virtu 4 years ago

Hi, why you are saying that it should be 1358? picture has a replace behavior without any append or something like that

upvoted 2 times

virtu 4 years ago

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upvoted 2 times

Bazant 3 years, 1 month ago

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upvoted 1 times

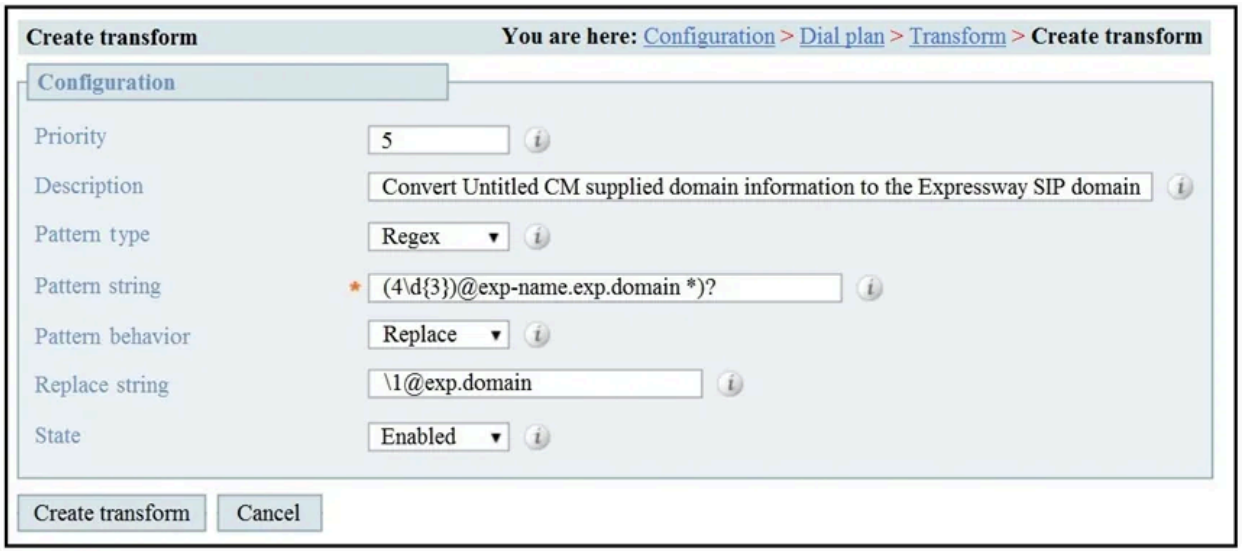
virtu 4 years ago

Yep, i check pattern, and it will work if matching alias will be 1335 without 8 in the end of string

upvoted 1 times

Question #35 *Topic 1*

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



A. It converts 4123@exp-name.exp.domain: to 4123@exp.domain

B. It changes all patterns that begin with 4123@exp-name.exp.domain: to 1@exp.domain

C. It changes 413@exp-name.exp.domain: to 413@exp.domain

D. It converts 4.3@exp-name.exp.domain: to 1@exp.domain

Suggested Answer: *A*
Official Answer: A

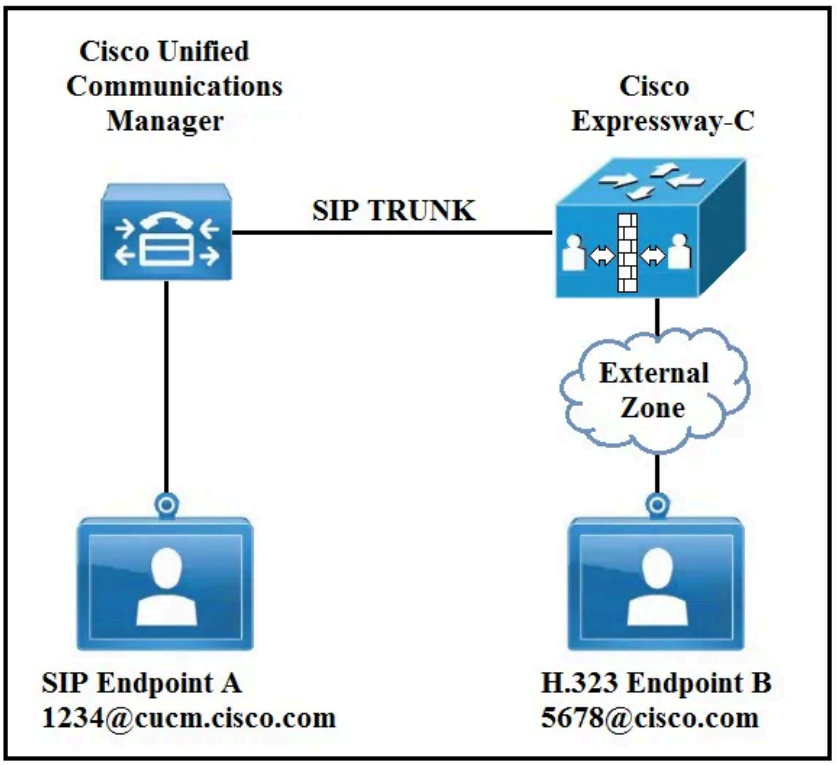
khader09 Highly Voted 1 year, 10 months ago

A is correct, but the pattern string should be: (4\d{3})@exp-name.exp.domain(:.*)?

upvoted 6 times

Question #36 *Topic 1*

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



A. Create a presearch transform.

B. Change the domain of SIP endpoint A to cisco.com.

C. Disable SIP in the external zone.

D. Change the interworking mode to On.

Suggested Answer: *D*
Official Answer: D

Community vote distribution
D (100%)

Collabinski Most Recent 2 years ago
D is correct
upvoted 2 times

Question #37 *Topic 1*

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.

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Collabinski Most Recent 2 years ago

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

upvoted 1 times

Question #38 *Topic 1*

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

A. Traversal Server

B. TURN Relays

C. Rich Media Sessions

D. Advanced Networking

E. Device Provisioning

Suggested Answer: *A, C*

Official Answer: AC

Community vote distribution

AC (100%)

BangBang86 Highly Voted 5 years ago

Traversal server and RMS. Any other is not needed. (Unless the calls needs Interworking, but that is not the case in this question).

upvoted 13 times

Panda_man Most Recent 1 year, 10 months ago

A,C correct

upvoted 1 times

Collabinski 2 years, 6 months ago

• Rich Media Sessions: Determines the number of non-Unified Communications calls allowed on the Expressway (or Expressway cluster) at any one time. See the Call Types and Licensing section for more information. • Traversal Server: Enables the Expressway to work as a firewall traversal server. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_managing-licensing.html

upvoted 2 times

iulianm 3 years ago

Room system and desktop system registration licenses: These licenses are required for all devices that register to Cisco Expressway-C. Devices that consume a registration license will not consume a Rich Media license when they are in a call with any other Cisco registered device, Cisco Infrastructure product (for example, Cisco Meeting Server), or calls in the Cisco Collaboration Cloud.

upvoted 1 times

iulianm 3 years ago

Room system and desktop system registration licenses: These licenses are required for all devices that register to Cisco Expressway-C. Devices that consume a registration license will not consume a Rich Media license when they are in a call with any other Cisco registered device, Cisco Infrastructure product (for example, Cisco Meeting Server), or calls in the Cisco Collaboration Cloud.Answer are BC

upvoted 1 times

iulianm 3 years ago

Answer are BC

upvoted 1 times

tilo1988 3 years, 7 months ago

BangBang86 wrote correct Answer 1 year ago and have 7 votes. Why administrator doesnt change the corrcet Answer to A and C?

upvoted 4 times

rob79 3 years, 9 months ago

Shouldn't E be device registration?

upvoted 1 times

rob79 3 years, 9 months ago

Shouldn't E be device registration?In the answer you have "Device Provisioning" not "Device Registration", so no this in NOT correct answer. The question asks what you need for B2B. No matter where the device is registered you need Traversal Server and RMS

upvoted 1 times

Bazant 3 years, 7 months ago

In the answer you have "Device Provisioning" not "Device Registration", so no this in NOT correct answer. The question asks what you need for B2B. No matter where the device is registered you need Traversal Server and RMS

upvoted 1 times

Question #39 *Topic 1*

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

A. TLS verify must be enabled.

B. The zone profile must be set to default.

C. The peer address must be the Expressway-E NAT address.

D. The peer address must be the Expressway-E LAN 1 IP address.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
You must enter the FQDN of the Expressway-E, as it is seen from outside the network, as the peer address on the Expressway-C's secure traversal zone. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/basic_config/exwy_b_cisco-expressway-e-and-expressway-c-basic-configuration-deployment-guide-x14-0/exwy_m_advanced-networking-deployments.html
upvoted 3 times

khader09 4 years, 4 months ago
C is correct
upvoted 3 times

Question #40 *Topic 1*

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

	Expressway-E
Rule name	Enter `Block ISDN call` for example
Description	Enter `Block everything (including nonregistered endpoints)`
Priority	Enter `41`
Protocol	*Any*
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-call` for example
On successful match	*Stop*
Target	*TraversalZone*
State	*Enabled*

A. Traversal Zone

B. Any

C. Neighbor Zone

D. All

Suggested Answer: *D*
Official Answer: D

Community vote distribution
B (100%)

BangBang86 Highly Voted 5 years ago
There is no such parameter "All". It must be set to "Any".
upvoted 11 times

Alex234 Most Recent 6 months, 4 weeks ago
its is b
upvoted 1 times

daniepad 1 year, 1 month ago
For me, any is more accurate as it also covers non-registered devices
upvoted 1 times

Collabinski 2 years, 6 months ago
Tough question. If the exam specifies "All Zones" then that is the answer. • To minimize toll fraud risks, avoid using the "Any" wild card for the Source setting. To provide extra security you can set the rule's Source option to All zones. This means that the query is only sent to the target zone if it originated from any configured zone or the Local Zone. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html
upvoted 4 times

TestingAAgain 3 years, 2 months ago
From the expressway help file below. The difference between the two is that any also blocks unregistered devices. I go with ANY as the answer The sources of the requests for which this rule applies. Any: locally registered devices, neighbor or traversal zones, and any non-registered devices. All zones: locally registered devices plus neighbor or traversal zones.

upvoted 2 times

jonycakes 3 years, 7 months ago

Answer B: The dropdown options for the Source field are - *Any *All zones *Local Zone *Named Source: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-8/Cisco-Expressway-Basic-Configuration-Deployment-Guide-X8-8.pdf

upvoted 4 times

chamba87 4 years, 5 months ago

or maybe the answer make refference to any of the all 3 options above O_o ?No as possible choices at Expressway are: Any: locally registered devices, neighbor or traversal zones, and any non-registered devices. All zones: locally registered devices plus neighbor or traversal zones. Local Zone: locally registered devices only. Named: a specific zone or subzone. No "Neigbor Zone" or "Traversal Zone" available, so the any possible correct answer is B "Any"this would not prevent toll fraud though, tricky question

upvoted 1 times

chamba87 4 years, 5 months ago

or maybe the answer make refference to any of the all 3 options above O_o ?

upvoted 1 times

Bazant 3 years, 7 months ago

No as possible choices at Expressway are:

Any: locally registered devices, neighbor or traversal zones, and any non-registered devices. All zones: locally registered devices plus neighbor or traversal zones. Local Zone: locally registered devices only. Named: a specific zone or subzone.

No "Neigbor Zone" or "Traversal Zone" available, so the any possible correct answer is B "Any"

upvoted 1 times

Bazant 3 years, 7 months ago

No as possible choices at Expressway are: Any: locally registered devices, neighbor or traversal zones, and any non-registered devices. All zones: locally registered devices plus neighbor or traversal zones. Local Zone: locally registered devices only. Named: a specific zone or subzone. No "Neigbor Zone" or "Traversal Zone" available, so the any possible correct answer is B "Any"this would not prevent toll fraud though, tricky question

upvoted 1 times

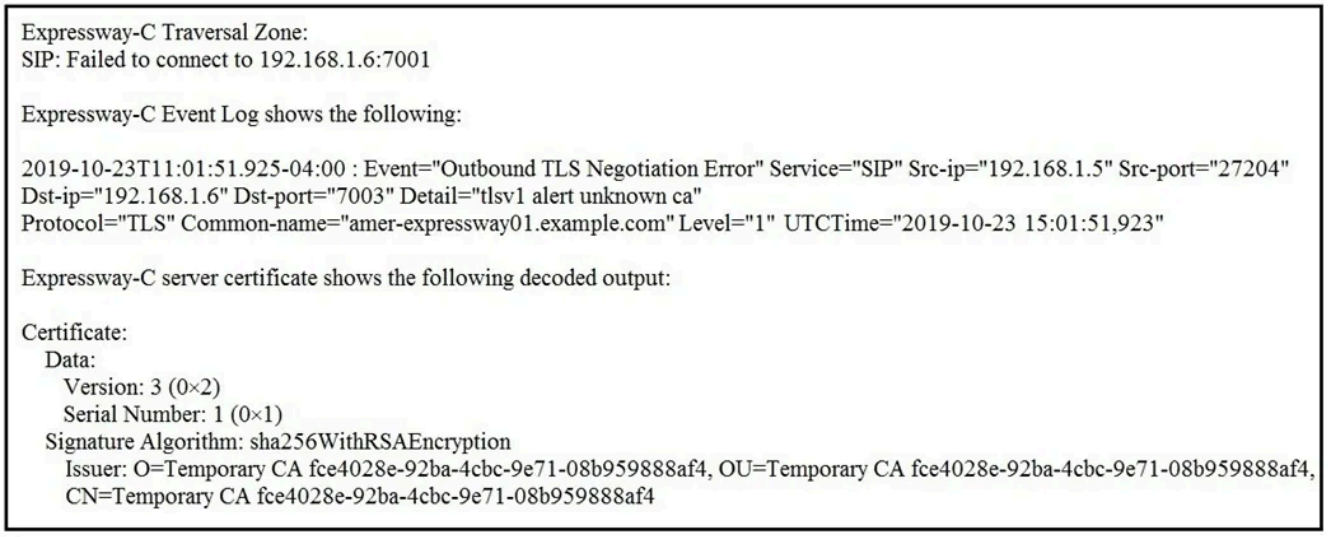
aocstr 2 years ago

this would not prevent toll fraud though, tricky question

upvoted 1 times

Question #41 *Topic 1*

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



Expressway-C Traversal Zone:
SIP: Failed to connect to 192.168.1.6:7001

Expressway-C Event Log shows the following:

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

Expressway-C server certificate shows the following decoded output:

```
Certificate:
    Data:
        Version: 3 (0×2)
        Serial Number: 1 (0×1)
    Signature Algorithm: sha256WithRSAEncryption
        Issuer: O=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4, OU=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4,
        CN=Temporary CA fce4028e-92ba-4cbc-9e71-08b959888af4
```

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.

Suggested Answer: *D*
Official Answer: D

Community vote distribution
D (100%)

chamba87 Highly Voted 3 years, 11 months ago
Yep i feel the same, the answer is C
upvoted 5 times

iamnoone Most Recent 1 year, 5 months ago
Correct answer should be D. There's no such a thing like a "temporary CA". An Issuer (CA) is an Issuer. It signs certificates. This is just the common name of the CA used to sign the certificate. It can be whatever. In this case TLS fails as stated in the Event Log Detail because of "tlsv1 alert unknown ca". This means that the certificate presented for the TLS negotiation is not trusted by the Exp-C, because of the lack of an intermediate or root certificate that signed the specific certificate. (public or private) So, either an intermediate is missing, or the root certificate of teh CA in the trust store is not there.
upvoted 1 times

Collabinski 2 years ago
If TLS verify mode is enabled, the neighbor system's FQDN or IP address, as specified in the Peer address field of the zone's configuration, is used to verify against the certificate holder's name in the X.509 certificate presented by that system. (The name must be in the SAN attribute of the certificate.) The certificate itself must also be valid and signed by a trusted certificate authority. So when certificates have been generated with peer or cluster FQDNs, ensure that the zone's Peer address fields are configured with FQDNs rather than IP addresses. - https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0-2/cert_creation_use/exwy_b_certificate-creation-and-use-deployment-guide-x1402/exwy_b_certificate-creation-use-deployment-guide_chapter_01000.html#concept_BFDB31BC4989A5EB232AF2A85AD1727E
upvoted 1 times

Collabinski 2 years ago

Tough question. Could be A or D. Managing the Trusted CA Certificate List The Trusted CA certificate page (Maintenance > Security certificates > Trusted CA certificate) allows you to manage the list of certificates for the Certificate Authorities (CAs) trusted by this Expressway. When a TLS connection to Expressway mandates certificate verification, the certificate presented to the Expressway must be signed by a trusted CA in this list and there must be a full chain of trust (intermediate CAs) to the root CA.
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdf

upvoted 1 times

Collabinski 2 years, 1 month ago

SIP TLS Negotiation Failures on Neighbor and Traversal Zones If TLS verify mode is enabled, the neighbor system's FQDN or IP address, as specified in the Peer address field of the zone's configuration, is used to verify against the certificate holder's name in the X.509 certificate presented by that system. (The name must be in the SAN attribute of the certificate.) The certificate itself must also be valid and signed by a trusted certificate authority. So when certificates have been generated with peer or cluster FQDNs, ensure that the zone's Peer address fields are configured with FQDNs rather than IP addresses. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0-2/cert_creation_use/exwy_b_certificate-creation-and-use-deployment-guide-x1402/exwy_b_certificate-creation-use-deployment-guide_chapter_01000.html#concept_BFDB31BC4989A5EB232AF2A85AD1727E

upvoted 1 times

jonycakes 3 years, 1 month ago

Answer D: When a TLS connection to Expressway mandates certificate verification, the certificate presented to the Expressway must be signed by a trusted CA in this list and there must be a full chain of trust (intermediate CAs) to the root CA.

Source https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdf

upvoted 2 times

jonycakes 3 years, 1 month ago

Answer D: When a TLS connection to Expressway mandates certificate verification, the certificate presented to the Expressway must be signed by a trusted CA in this list and there must be a full chain of trust (intermediate CAs) to the root CA. Source https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdfYou can upload the server certificate with the full chain on it. The issue here seems to be the temporary cert. I think it is C

upvoted 2 times

Omitted 2 years, 8 months ago

You can upload the server certificate with the full chain on it. The issue here seems to be the temporary cert. I think it is C

upvoted 2 times

khader09 4 years, 4 months ago

I feel answer is C

upvoted 2 times

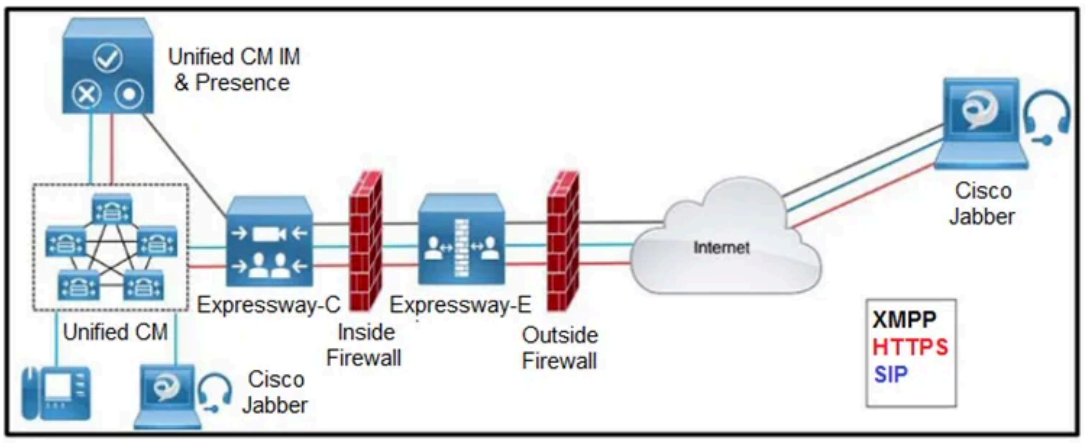
BangBang86 4 years, 6 months ago

The ExpC is using a temporary CA, and it needs a certificate signed by a CA (either private or public).

upvoted 4 times

Question #42 *Topic 1*

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



A. Media: UDP 36000 to 36011

B. XMPP: TCP 5222

C. SIP: TCP 5061

D. HTTPS (tunneled over SSH between C and E): TCP 2222

Suggested Answer: *C*

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

Community vote distribution

B (100%)

undertabler Highly Voted 3 years, 6 months ago

Both B and C are correct. Probably a multichoice question...

The external firewall must allow the following inbound connections to the Expressway-E: SIP: TCP 5061 HTTPS: TCP 8443 XMPP: TCP 5222 Media: UDP 36002 to 59999 Source: Official Cert Guide

upvoted 9 times

undertabler Highly Voted 3 years, 6 months ago

Both B and C are correct. Probably a multichoice question... The external firewall must allow the following inbound connections to the Expressway-E: SIP: TCP 5061 HTTPS: TCP 8443 XMPP: TCP 5222 Media: UDP 36002 to 59999 Source: Official Cert GuideThat is wrong. The SIP:TCP 5061 is not valid. Only between Expressway-C and On-premises Infrastructure you need to open a SIP TCP Port. And the TCP Port is 5060, not 5061. Port 5061 is used for TLS. Connections Between Off-premises Endpoints and the Expressway-E only needs to be opened for SIP:TLS 5061, not for SIP:TCP 5060. Have a look at the reference tilo1988 mentioned in his comment. So only B is correct.

upvoted 9 times

Krachowsky 2 years, 4 months ago

That is wrong. The SIP:TCP 5061 is not valid. Only between Expressway-C and On-premises Infrastructure you need to open a SIP TCP Port. And the TCP Port is 5060, not 5061. Port 5061 is used for TLS. Connections Between Off-premises Endpoints and the Expressway-E only needs to be opened for SIP:TLS 5061, not for SIP:TCP 5060. Have a look at the reference tilo1988 mentioned in his comment. So only B is correct.

upvoted 3 times

JamieF66 3 years, 10 months ago

Answer B. SIP TLS 5061 and XMPP TCP 5222

upvoted 6 times

Dutchviking Most Recent 10 months, 3 weeks ago

sorry, B is correct: You're right to point to that doc. Cisco's IP Port Usage / MRA guides say the external firewall must allow these inbound ports to Expressway-E: SIP TLS: TCP 5061 HTTPS (reverse proxy): TCP 8443 XMPP: TCP 5222 Media: UDP 36002–59999 Cisco +1 Given the choices you had

earlier, B (XMPP TCP 5222) is a valid—and commonly tested—answer. A (UDP 36000–36011) is not the correct external range; that 12-port block applies to internal C↔E traversal media on large appliances, not internet-facing media. Cisco +1 D (TCP 2222) is C→E internal (HTTPS tunneled over SSH), not exposed to the internet. Cisco So, if you must pick one inbound internet port from the list, B (5222) is the best choice.

upvoted 1 times

iamnoone 1 year, 5 months ago

Selected Answer: B

This an MRA scenario (screenshot), this should be a multiple answer question. In which case B, C and D are all correct. B) XMPP (IM and Presence) C) SIP signaling D) UDS (phonebook and provisioning)

These should be opened ports according to the Cisco documentation, in order to for connections between Off-premises Endpoints and the Expressway-E (Table 2): https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X15-0/ip-port/exwy_b_cisco-expressway-ip-port-usage-configuration-guide-x15/exwy_m_mobile-and-remote-access.html

A. Media UDP 36000-36011 seems too short of a range for RTP flows. In the documentation it states 36000-59999 UDP.

upvoted 1 times

iamnoone 1 year, 5 months ago

This an MRA scenario (screenshot), this should be a multiple answer question. In which case B, C and D are all correct. B) XMPP (IM and Presence) C) SIP signaling D) UDS (phonebook and provisioning) These should be opened ports according to the Cisco documentation, in order to for connections between Off-premises Endpoints and the Expressway-E (Table 2): https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X15-0/ip-port/exwy_b_cisco-expressway-ip-port-usage-configuration-guide-x15/exwy_m_mobile-and-remote-access.html A. Media UDP 36000-36011 seems too short of a range for RTP flows. In the documentation it states 36000-59999 UDP.Pfff my bad, HTTPS is 443 or 8443 in this case. Again B & C look possible answers, but since it's not a multiple answer question, only B anyways. TLS is used for SIP. But on the firewall you would open TCP 5061 anyway. TLS run on top of that using certificates.

upvoted 1 times

iamnoone 1 year, 5 months ago

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upvoted 1 times

jagifoto 2 years, 5 months ago

B. XMPP: TCP 5222 this is the answerXMPP (IM and Presence) Offpremises endpoint 1024-65535 TCP ExpresswayE Public IP 5222

upvoted 2 times

TestingAAgain 3 years, 2 months ago

I agree the answers should be B & C. While tilo1988 points out that the protocol running on port 5061 is actually TLS, the question is what do you have to open on the FIREWALL. The access list requires you to open TCP port 5061, TCP Port 5022, TCP port 8433, and UDP36000 - 59999. TLS is actually a secure layer that runs on TOP of TCP/IP.

upvoted 3 times

TestingAAgain 3 years, 2 months ago

I agree the answers should be B & C. While tilo1988 points out that the protocol running on port 5061 is actually TLS, the question is what do you have to open on the FIREWALL. The access list requires you to open TCP port 5061, TCP Port 5022, TCP port 8433, and UDP36000 - 59999. TLS is actually a secure layer that runs on TOP of TCP/IP.Technically TLS runs over TCP and option B is related to TCP, not TLS. I would choose XMPP, is a "closer" answer I'd say.

upvoted 3 times

aocstr 2 years, 1 month ago

Technically TLS runs over TCP and option B is related to TCP, not TLS. I would choose XMPP, is a "closer" answer I'd say.

upvoted 1 times

kljw5 3 years, 3 months ago

This answer almost got me. SIP is almost right but offnet SIP incoming should be SIP TLS not TCP so that's incorrect. Only valid answer provided is XMPP TCP 5222

upvoted 3 times

tilo1988 3 years, 7 months ago

Based on following LINK and page 18(SIP Calls) + 29 (MRA Connections): 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 SIP UDP: 5060 SIP TCP: 5060 SIP TLS: 5061 XMPP TCP: 5222 RTP/RTCP: 36000-59999 There could be ONLY one correct answer B (XMPP: TCP 5222)

upvoted 5 times

Question #43 *Topic 1*

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

A. block the call with a call policy rule in the Expressway-E

B. add the specific URI in the firewall section of the Expressway and block it

C. configure FAC for the destination alias on the Expressway

D. add a search rule route all calls to the Cisco UCM

Suggested Answer: *C*

Reference: https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiW2dKTxpfvAhX87nMBHQw5CBoQFjABegQIAxAD&url=https%3A%2F%2Fcommunity.cisco.com%2Fkxiwq67737%2Fattachments%2Fkxiwq67737%2F4576-docs-colaboracao-voz-e-video%2F141%2F2%2Flpcor- fac.pdf&usg=AOvVaw32Q70oP4UYkubwfFJlmAQ9

Community vote distribution



TheBabu Most Recent 2 years, 1 month ago

A is correct.

upvoted 1 times

Collabinski 3 years, 7 months ago

From everything I've searched, FAC is a feature specific to CUCM, not expressway. Call Policy is the Expressway feature to control which calls are allowed, which calls are rejected, and which calls are to be redirected to a different destination. https://community.cisco.com/t5/unified-communications-infrastructure/block-unwanted-calls-on-cisco-expressway/td-p/4320919 https://community.cisco.com/t5/unified-communications-infrastructure/block-unwanted-calls-on-cisco-expressway/td-p/4320919

upvoted 2 times

hake 3 years, 8 months ago

This is the correct link to the Reference Document: https://community.cisco.com/kxiwq67737/attachments/kxiwq67737/4576-docs-colaboracao-voz-e-video/141/2/lpcor-fac.pdf But I don't understand, why the correct answer should be C. For external calls the right answer should be A.

upvoted 1 times

TestingAAgain 4 years, 2 months ago

Should be A, and the link provided as a reference doesn't even work.

upvoted 2 times

tilo1988 4 years, 7 months ago

Yes it is A, but why Administrator doesnt change it?

upvoted 1 times

veraiden 4 years, 8 months ago

Should be A

upvoted 3 times

JamieF66 4 years, 10 months ago

Answer A

upvoted 3 times

Question #44 *Topic 1*

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

A. Expressway-E DHCP

B. Cisco UCM FQDN

C. Cisco UCM DHCP

D. Expressway-E FQDN

Suggested Answer: *D*
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

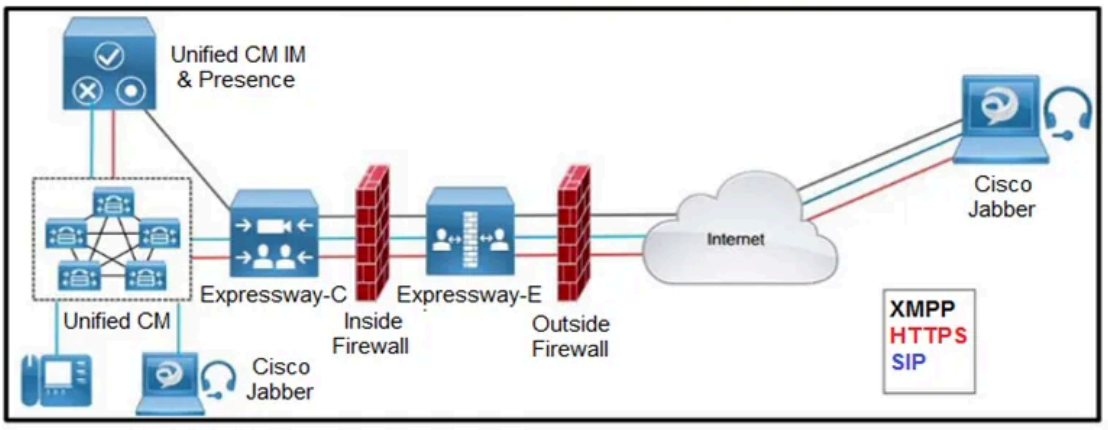
Community vote distribution
D (100%)

Panda_man Most Recent 1 year, 10 months ago
D is correct
upvoted 1 times

Collabinski 2 years, 7 months ago
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 "You must enter the FQDN of the Expressway-E, as it is seen from outside the network, as the peer address on the Expressway-C's secure traversal zone. The reason for this is that in static NAT mode, the Expressway-E requests that incoming signaling and media traffic should be sent to its external FQDN, rather than its private name."
upvoted 2 times

Question #45 *Topic 1*

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



A. XMPP: TCP 7400

B. SIP: TCP 7001

C. SIP TCP 5061

D. Media: UDP 36012 to 59999

E. HTTPS: TCP 8443

Suggested Answer: *A, B*

Official Answer: AB

Community vote distribution

AB (100%)

undertabler 2 years, 6 months ago

The internal firewall must allow the following outbound connections from the Expressway-C to the Expressway-E: SIP: TCP 7001 Traversal media: UDP 2776 to 2777 (or 36000 to 36011 for large VM/appliance) XMPP: TCP 7400 HTTPS (tunneled over SSH between C and E): TCP 2222 Source: Official Cert Guide

upvoted 5 times

iamnoone Most Recent 1 year, 5 months ago

Table 3. Connections Between Expressway-C and Expressway-E

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X15-0/ip-port/exwy_b_cisco-expressway-ip-port-usage-configuration-guide-x15/exwy_m_mobile-and-remote-access.html

upvoted 1 times

kljw5 2 years, 3 months ago

I think this is a typo in the answers Correct answers should be SIP TLS 7001 and XMPP TCP 7400 HTTPS is not valid through internal firewall as most traffic is TLS not TCP so that rules out all the answers. This is a core question in which signaling protocol is allowed from C to E.Not a typo. The question is what do you configure on the FIREWALL. TLS is a secure layer that runs on top of TCP/IP. You have to open TCP ports on the firewall for TLS to flow through. If you look at table 16 on page 31 of the Cisco Expressway IP Port Usage for Firewall Traversal Deployment guide, you'll see 7001 and 7400 right there in the table for SIP and XMPP.This is the correct answer

upvoted 2 times

kljw5 2 years, 3 months ago

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upvoted 2 times

TestingAAgain Highly Voted 2 years, 2 months ago

Not a typo. The question is what do you configure on the FIREWALL. TLS is a secure layer that runs on top of TCP/IP. You have to open TCP ports on the firewall for TLS to flow through. If you look at table 16 on page 31 of the Cisco Expressway IP Port Usage for Firewall Traversal Deployment guide,

you'll see 7001 and 7400 right there in the table for SIP and XMPP.

upvoted 6 times

TestingAAgain Highly Voted 2 years, 2 months ago

Not a typo. The question is what do you configure on the FIREWALL. TLS is a secure layer that runs on top of TCP/IP. You have to open TCP ports on the firewall for TLS to flow through. If you look at table 16 on page 31 of the Cisco Expressway IP Port Usage for Firewall Traversal Deployment guide, you'll see 7001 and 7400 right there in the table for SIP and XMPP.This is the correct answer

upvoted 6 times

msully 2 years, 2 months ago

This is the correct answer

upvoted 1 times

tilo1988 2 years, 7 months ago

page 29(MRA): SIP TLS: 7001 XMPP TCP 7400 SSH 2222 RTP/RTCP 2776 - 2777

upvoted 1 times

Question #46 *Topic 1*

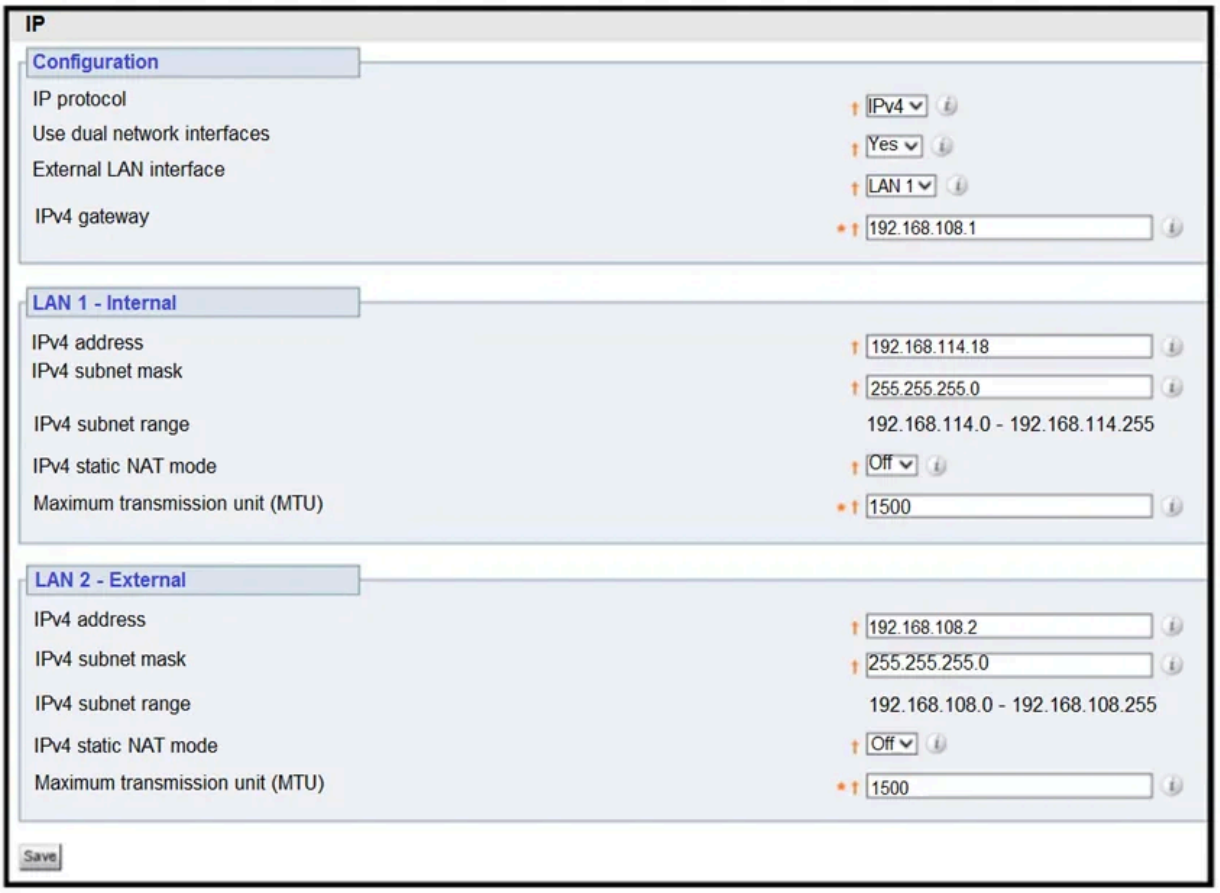
Refer to the exhibit. The firewall has been configured from NAT 192.168.108.2 to 100.64.0.1. Which configuration changes are needed for an Expressway-E with dual network interfaces?

A.

B.

C.

D.



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

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

Suggested Answer:
Official Answer: B

JamieF66 Most Recent 1 year, 10 months ago

B is correct

upvoted 3 times

Question #47 *Topic 1*

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

A. _collab-edge._tls.cisco.com

B. _cisco-uds._tcp.cisco.com

C. _sip._tcp.cisco.com

D. _cuplogin._tcp.cisco.com

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

jonycakes Most Recent 2 years, 1 month ago

C is correct: SIP B2B - Cisco SRV Records for business-to-business _sips._tcp.domain 5061 TLS _sip._tcp.domain 5060 TCP _sip._udp.domain 5060 UDP

upvoted 3 times

Question #48 *Topic 1*

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.!

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

OZtemp Most Recent 1 year, 10 months ago
Shouldn't the answer be: \1@conf\.pod8\.test\.lab instead of \\.test\.lab? Why isn't there a slash before the period beginging with pod8?
upvoted 2 times

OZtemp 1 year, 10 months ago
Shouldn't the answer be: \1@conf\.pod8\.test\.lab instead of \1@conf.pod8\.test\.lab? Why isn't there a slash before the period beginging with pod8?
upvoted 2 times

Panda_man 2 years, 10 months ago
C is correct
upvoted 2 times

TestingAAgain 4 years, 2 months ago
Actually, none of the answers are valid. I plugged this into the expression tester on my Expressway C in my lab, and the alias does not match the regex pattern.The problem is the apostrophe pipe ('|). The apostrophe isn't a valid character in REGEX, and the pipe specifies a logical OR. BUT, assuming the regex pattern was: (7508.*)@expc1a\.pod8\.test\.lab, then the answer would be C as verified by the expression tester. C doesn't work due to the unescaped period in the string, and the others add extra unwanted characters to the output.
upvoted 1 times

TestingAAgain 4 years, 2 months ago
Actually, none of the answers are valid. I plugged this into the expression tester on my Expressway C in my lab, and the alias does not match the regex pattern.
upvoted 1 times

TestingAAgain 4 years, 2 months ago
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upvoted 1 times

rob79 4 years, 10 months ago
Shouldn't this be B?
upvoted 1 times

rob79 4 years, 10 months ago
Shouldn't this be B?Sorry ignore this C is correct
upvoted 1 times

rob79 4 years, 7 months ago
Sorry ignore this C is correct
upvoted 3 times

Question #49 *Topic 1*

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



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

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 ɔ€Standards-Basedɔ€.

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.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

Stripping @domain for dialing to H.323 numbers SIP endpoints can only make calls in the form of URIs - for example name@domain. If the caller does not specify a domain when placing the call, the SIP endpoint automatically appends its own domain to the number that is dialed. So if you dial 123 from a SIP endpoint, the search will be placed for 123@domain. If the H.323 endpoint being dialed is registered as 123, the VCS will be unable to locate the alias 123@domain and the call will fail. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html

upvoted 2 times

Question #50 *Topic 1*

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

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

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

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

chacthor Highly Voted 3 years ago

Should be D, at the end it says "Could not resolve hostname"

upvoted 6 times

Madc5 Highly Voted 3 years, 5 months ago

D is corect

upvoted 5 times

Collabinski Most Recent 2 years, 1 month ago

Looks like A to me. https://www.cisco.com/c/en/us/support/docs/unified-communications/spark/212475-troubleshooting-guide-for-cisco-spark-hy.html#anc18 The general rule of thumb with Search rules is the more specific the Pattern string, the lower it can be placed in the Search rule priority list. Generally a DNS Zone is configured with a Pattern string that is going to catch anything that is not a local domain and send it to the Internet. Due to this, we recommend that you set that type of Search rule to a high priority so it's invoked last. It seems like a Search Rule match would resolve the "underlying DNS issue"

upvoted 2 times

TestingAAgain 2 years, 8 months ago

D is correct.

upvoted 1 times

Question #51 *Topic 1*

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

A. It is possible to NAT both Expressway-E interfaces

B. The Unified Communications traversal zone should be used for MRA

C. The Expressway-E must be put in a firewall DMZ segment

D. Expressway Control is the traversal server installed in the DMZ

E. Cisco UCM zone should be either traversal server or client

Suggested Answer: *B, C*

Official Answer: BC

Community vote distribution

BC (100%)

Panda_man Most Recent 1 year, 10 months ago

BC correct

upvoted 1 times

Collabinski 2 years, 6 months ago

• An Expressway-E located outside the firewall on the public network or in the DMZ, which acts as the firewall traversal server. Unified Communications features such as Mobile and Remote Access or Jabber Guest, require a Unified Communications traversal zone connection between the Expressway-C and the Expressway-E. This involves: ○ Installing suitable security certificates on the Expressway-C and the Expressway-E. ○ Configuring a Unified Communications traversal zone between the Expressway-C and the Expressway-E.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_unified-communications.html

upvoted 2 times

Question #52 *Topic 1*

Jabber cannot log in via Mobile and Remote Access. You inspect Expressway-C logs and see this error message:
XCP_JABBERD Detail="Unable to connect to host '%IP%', port 7400:(111) Connection refused"
Which is the cause of this issue?

A. Rich Media Session licenses are not activated on Expressway-E.

B. Expressway-E is listening on the wrong IP interface.

C. The destination port for Expressway-E is set to 7400 instead of 8443 on the Expressway-C.

D. The XCP Service is not activated on Expressway-E.

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

Abhishek1610 Highly Voted 4 years, 1 month ago
https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc6
upvoted 7 times

Collabinski Most Recent 2 years ago
B is correct. kljw5 has the right explanation.
upvoted 2 times

kljw5 2 years, 9 months ago
Expressway-C Logs Show This Error: XCP_JABBERD Detail="Unable to connect to host '%IP%', port 7400:(111) Connection refused" 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. The Use Dual Network Interfaces option is set to Yes. In order to correct this problem, change the Use Dual Network Interfaces option to No. 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 netstatcommand from the VCS as root.
upvoted 3 times

Abhishek1610 4 years, 2 months ago
If Expressway-E Network Interface Controller (NIC) is incorrectly configured, this can cause the Extensible Communications Platform (XCP) server to not be updated.
upvoted 1 times

khader09 4 years, 4 months ago
B is correct https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc9
upvoted 2 times

Question #53 *Topic 1*

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

A. IPS

B. SAML authentication

C. Cisco Unified CM publisher address

D. SSO

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

Collabinski Most Recent 2 years ago

Step 1 On the Expressway-C primary peer, go to Configuration > Unified Communications > Unified CM servers. Step 2 Click New and add the following details for the publisher node: • Unified CM publisher address—The server address of the publsiher node. • Username—User ID of an account that can access the server. • Password—Password of the account that can access the server • TLS verify mode (What about for basic MRA without ICE – is this recommended?) • AEM GCM media encryption—Set to On to enable AEM GCM support. This field appears only if you • Deployment—If you have configured multiple Deployments, select the appropriate deployment. Note that this field does not appear unless you have configured deployments. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-7/exwy_b_mra-deployment/exwy_m_basic-configuration.html

upvoted 1 times

leigh1141 3 years, 11 months ago

Unfied CM configuration is required for MRA

upvoted 1 times

Question #54 *Topic 1*

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.

Suggested Answer: *B*

Official Answer: B

Community vote distribution



Collabinski 2 years ago

Interactive Connectivity Establishment (ICE), defined in RFC 8445, is a protocol that combines STUN and TURN. Using ICE, endpoints can determine if there is direct connectivity between them and will then apply the STUN hole-punching techniques to keep the firewall ports opened, thus allowing for both inbound and outbound media traffic. If direct media connectivity cannot be achieved, the endpoints will fall back to the TURN server and will send their UDP traffic centrally instead of going peer-to-peer. https://www.cisco.com/c/en/us/td/docs/solutions/PA/ICE/icepa125.htmlCorrect, except that ICE is not a protocol, it is a framework, a technique or a mechanism.

upvoted 1 times

Collabinski 2 years ago

Selected Answer: B

Interactive Connectivity Establishment (ICE), defined in RFC 8445, is a protocol that combines STUN and TURN. Using ICE, endpoints can determine if there is direct connectivity between them and will then apply the STUN hole-punching techniques to keep the firewall ports opened, thus allowing for both inbound and outbound media traffic. If direct media connectivity cannot be achieved, the endpoints will fall back to the TURN server and will send their UDP traffic centrally instead of going peer-to-peer.

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

upvoted 1 times

Ernisa Most Recent 1 year, 11 months ago

Correct, except that ICE is not a protocol, it is a framework, a technique or a mechanism.

upvoted 1 times

Mark03 4 years ago

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

upvoted 3 times

khader09 4 years, 4 months ago

The following ICE-capable endpoints can send media directly to each other when they are MRA-registered and ICE passthrough is enabled:

upvoted 3 times

khader09 4 years, 4 months ago

The following ICE-capable endpoints can send media directly to each other when they are MRA-registered and ICE passthrough is enabled:B is correct

upvoted 3 times

khader09 4 years, 4 months ago

B is correct

upvoted 3 times

Question #55 *Topic 1*

When deploying an Expressway Core and Expressway Edge cluster for mobile and remote access, which TLS verity 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

Suggested Answer: *B*
Official Answer: B

Community vote distribution
D (100%)

BangBang86 Highly Voted 4 years, 6 months ago
This should be Expressway-C cluster FQDN.
upvoted 6 times

Abhishek1610 Highly Voted 4 years, 1 month ago
The correct answer is D. Expressway-C Cluster Name
upvoted 5 times

Collabinski Most Recent 2 years ago
On Expressway-E enter the name to look for in the traversal client's certificate (must be in the Subject Alternative Name attribute). If there is a cluster of traversal clients, specify the cluster name here and ensure that it is included in each client's certificate.
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_01000.html
upvoted 2 times

AKREM86 2 years, 8 months ago
Answer is D. Explanation: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-8/Mobile-Remote-Access-via-Expressway-Deployment-Guide-X8-8.pdf On Expressway E, Enter the name to look for in the traversal client's certificate (must be in either the Subject Common Name or the Subject Alternative Name attributes). If there is a cluster of traversal clients, specify the cluster name here and ensure that it is included in each client's certificate. Traversal Client is EXP-C
upvoted 3 times

chacthor 3 years ago
Should be D
upvoted 2 times

tilo1988 3 years, 1 month ago
@Adminiistrator: Change the correct answer to D! NOT B
upvoted 1 times

rob79 3 years, 1 month ago
D Expressway C is correct
upvoted 3 times

Simdude 4 years, 1 month ago
D is the correct why would exp-e need to know its tls name
upvoted 3 times

ddrogi 4 years, 2 months ago
D. Expressway-C FQDN
upvoted 5 times

khader09 4 years, 4 months ago
B. Expressway-E Cluster Name
upvoted 2 times

khader09 4 years, 4 months ago

B. Expressway-E Cluster Namewrong answer

upvoted 2 times

Madc5 3 years, 5 months ago

wrong answer

upvoted 3 times

Question #56 *Topic 1*

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

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

Module="developer.nomodule" Level="WARN"
CodeLocation="ppcmains/sip/sipproxy/
SipProxyAuthentication.cpp(686)" Method="SipProxyAuthentication::
checkDigestSAResponse" Thread="0x7a2485cb0700": calculated response does not
match supplied response,
calculatedResponse=769c8f488b71eebdf28b61abldc9f5e9,
response=319a0bb365dccf98c1bb7b3ce350f6cc

Event="Authenticaicn Failed" Service="SIP" Src-ip="10.1.1.161"
Src-port="25713" Detail="Incorrect authentication credential for user"
Protocol="TLS" Method="OPTIONS" Level="1"
```

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.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
When the password is incorrect, you see this in the Expressway-E logs: Module="network.ldap" Level="INFO": Detail="Authentication credential found in directory for identity: traversal? Module="developer.nomodule" Level="WARN" CodeLocation="ppcmains/sip/sipproxy/ SipProxyAuthentication.cpp(686)" Method="SipProxyAuthentication:: checkDigestSAResponse" Thread="0x7f2485cb0700": calculated response does not match supplied response, calculatedResponse=769c8f488f71eebdf28b61ab1dc9f5e9, response=319a0bb365decf98c1bb7b3ce350f6ec Event="Authentication Failed" Service="SIP" Src-ip="10.48.80.161" Src-port="25723" Detail="Incorrect authentication credential for user" Protocol="TLS" Method="OPTIONS" Level="1? https://community.cisco.com/kxiwq67737/attachments/kxiwq67737/discussions-collaboration-apps/17264/1/117811-configure-vcs-00.pdf
upvoted 1 times

AKREM86 2 years, 8 months ago
Correct Answer C: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKCOL-2021.pdf
upvoted 1 times

khader09 4 years, 4 months ago
When the password is incorrect, you see this in the Expressway-E logs:isn't that what it says "Incorrect authentication credential for user"??
upvoted 1 times

khader09 4 years, 4 months ago
When the password is incorrect, you see this in the Expressway-E logs:
upvoted 1 times

kljw5 2 years, 9 months ago
isn't that what it says "Incorrect authentication credential for user"??
upvoted 2 times

Question #57 *Topic 1*

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

A. Expressway Control is the traversal server installed in the DMZ.

B. The Expressway Edge must be put in a firewall DMZ segment.

C. Cisco Unified Communications Manager zone can be either traversal server or client.

D. The Unified Communications traversal zone can be used for Mobile and Remote Access.

E. Both Expressway Edge interfaces can be NATed.

Suggested Answer: *B, D*

Official Answer: BD

Community vote distribution

BD (100%)

chamba87 Highly Voted 3 years, 11 months ago

B & D are correct

upvoted 6 times

Collabinski Most Recent 2 years ago

• An Expressway-E located outside the firewall on the public network or in the DMZ, which acts as the firewall traversal server. Unified Communications features such as Mobile and Remote Access or Jabber Guest, require a Unified Communications traversal zone connection between the Expressway-C and the Expressway-E. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_unified-communications.html

upvoted 1 times

leigh1141 3 years, 11 months ago

D and E - Zone for MRA is always unfied coms and Expressway E must be deployed in the DMZ segmentIt can't be E

upvoted 1 times

leigh1141 3 years, 11 months ago

D and E - Zone for MRA is always unfied coms and Expressway E must be deployed in the DMZ segment

upvoted 1 times

chacthor 3 years ago

It can't be E

upvoted 3 times

Question #58 *Topic 1*

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

A. Unified Communications traversal zone

B. neighbor zone

C. DNS zone

D. traversal zone

Suggested Answer: *A*
Official Answer: A

Community vote distribution
A (100%)

Panda_man Most Recent 1 year, 10 months ago
A is correct
upvoted 1 times

mciensanc 2 years, 6 months ago
Answer is A Which type of traversal zone? • If your deployment is for business to business calling, use a traversal zone. • If your deployment is for mobile and remote access, use a Unified Communications traversal zone
upvoted 2 times

Collabinski 2 years, 7 months ago
Unified Communications features such as Mobile and Remote Access or Jabber Guest, require a Unified Communications traversal zone connection between the Expressway-C and the Expressway-E. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_unified-communications.html
upvoted 4 times

djs9nomad 2 years, 8 months ago
Answer is D.

Traversal zone (client and server) between E and C.

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_zones-and-neighbors.html
upvoted 1 times

djs9nomad 2 years, 8 months ago
Answer is D. Traversal zone (client and server) between E and C.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_zones-and-neighbors.htmlThat's to set up a connection from Exp-C to Exp-E. A Unified Communications Traversal Zone is required for MRA to work.
upvoted 1 times

Collabinski 2 years, 6 months ago
That's to set up a connection from Exp-C to Exp-E. A Unified Communications Traversal Zone is required for MRA to work.
upvoted 2 times

Question #59 *Topic 1*

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

A. Expressway-C server certificate

B. Cisco Unified Communications Manager server certificate

C. Expressway-E server certificate

D. Expressway-C and Expressway-E server certificate

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

khader09 Highly Voted 4 years, 4 months ago

The Expressway-E server certificate needs to include the following elements in its list of subject alternative names (SAN): Unified CM registrations domains XMPP federation domains IM and Presence chat node aliases (federated group chat)

upvoted 9 times

Collabinski Most Recent 2 years ago

Expressway-E server certificate requirements The Expressway-E server certificate must include the elements listed below in its list of subject alternative names (SAN). If the Expressway-E is also known by other FQDNs, all of the aliases must be included in the server certificate SAN. • Unified CM registrations domains: all of the domains which are configured on the Expressway-C for Unified CM registrations. Required for secure communications between endpoint devices and Expressway-E. The Unified CM registration domains used in the Expressway configuration and Expressway-E certificate, are used by Mobile and Remote Access clients to lookup the _collab-edge DNS SRV record during service discovery. They enable MRA registrations on Unified CM, and are primarily for service discovery.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0-2/cert_creation_use/exwy_b_certificate-creation-and-use-deployment-guide-x1402/exwy_b_certificate-creation-use-deployment-guide_chapter_011.html

upvoted 2 times

Question #60 *Topic 1*

A Jabber user is being prompted to trust the Expressway-E certificate when using Mobile and Remote Access. The administrator has validated that the
Expressway-E certificate is being trusted by the machine running the Jabber client.
What else can be done to solve this problem?

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

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

C. Change the domain name.

D. Change the FQDN of the Expressway.

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

Collabinski Most Recent 2 years ago
khader09s information is correct.
upvoted 1 times

Mark03 4 years ago
Answer is B: https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html
upvoted 3 times

khader09 4 years, 4 months ago
The Unified CM registration domain used for the collab-edge record must be present within the SAN of the Expressway-E certificate. CSR tool in the Expressway server will give you the option to add the Unified CM registration domain as a SANB is correct
upvoted 3 times

khader09 4 years, 4 months ago
The Unified CM registration domain used for the collab-edge record must be present within the SAN of the Expressway-E certificate. CSR tool in the Expressway server will give you the option to add the Unified CM registration domain as a SAN
upvoted 3 times

khader09 4 years, 4 months ago
B is correct
upvoted 2 times

Question #61 *Topic 1*

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

A. _collab-edge on port 8443

B. _cisco-uds-edge on port 5061

C. _collab-edge on port 5061

D. _cisco-uds on port 8443

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

Public DNS (External Domains) The public, external DNS must be configured with _collab-edge._tls. SRV records so that endpoints can discover the Expressway-Es to use for Mobile and Remote Access. You also need SIP service records for general deployment (not specifically for MRA). Domain Service Protocol Priority Weight Port Target host example.com collab-edge tls 10 10 8443 expe1.example.com example.com collab-edge tls 10 10 8443 expe2.example.com example.com sips tcp 10 10 5061 expe1.example.com example.com sips tcp 10 10 5061 expe2.example.com https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/mra/exwy_b_mra-deployment-guide-14/exwy_m_requirements-for-mra.html

upvoted 1 times

leigh1141 3 years, 11 months ago

A - 8443 is required from the public IP address of the expressway for collab-edge SRV records

upvoted 3 times

Question #62 *Topic 1*

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

A. Expressway Core can use private CA signed certificate.

B. You must upload the root certificates in the phone trust store.

C. Expressway must generate certificate signing request.

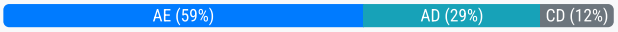
D. Expressway Edge must use public CA signed certificate.

E. The Jabber client can work with public or private CA signed certificate.

Suggested Answer: *A, E*

Official Answer: AE

Community vote distribution



TestingAAgain Highly Voted 4 years, 2 months ago

I meant to put A & E. Sorry.

upvoted 8 times

BangBang86 Highly Voted 6 years ago

Jabber works fine with a private CA, and the ExpC can use a private CA. Those should be the right answers.

upvoted 5 times

Alex234 Most Recent 7 months ago

it is speak about MRA so you must use Public CA for expressway E and Private CA for Expressway C

upvoted 1 times

iamnoone 1 year, 5 months ago

A. Expressway Core can use private CA signed certificate. > Yes it can use a private CA signed cert. But the Exp-E needs to trust it. Is it best practice? I guess not. Bin there, done that. B. You must upload the root certificates in the phone trust store. > Nope C. Expressway must generate certificate signing request. > No, it doesn't have too (must not). I believe you can use a private key generated and provided by a CA, and upload it manually via SCP. D. Expressway Edge must use public CA signed certificate. > No it must not. Can work with a private CA signed cert. E. The Jabber client can work with public or private CA signed certificate. > Yes it can. It will prompt the user to trust the certificate presented, if the root or intermidiate CA cert is not in the devices trust store. End of story. So A&E correct answers.

upvoted 1 times

ad5354f 1 year, 10 months ago

I think Collabinski is right. C and D are the answers I would prefer A. Expressway Core can use private CA signed certificate – While technically possible, this is not recommended for MRA, as clients connecting via the Edge would not trust a private CA. E. The Jabber client can work with public or private CA signed certificate – This is only partially true. The Jabber client can trust a private CA signed certificate if the root CA certificate is manually installed on the device, but for MRA via the Edge, a public CA is required for seamless operation.

upvoted 1 times

Panda_man 2 years, 10 months ago

A and D

upvoted 2 times

Testme1235 3 years, 4 months ago

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.

upvoted 1 times

Collabinski 3 years, 6 months ago

https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdfHi Collabinski , your answers are wrong.

upvoted 1 times

Collabinski 3 years, 6 months ago

https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-9/Cisco-Expressway-Certificate-Creation-and-Use-Deployment-Guide-X8-9.pdf

upvoted 1 times

jagifoto 3 years, 5 months ago

Hi Collabinski , your answers are wrong.

upvoted 2 times

Collabinski 3 years, 6 months ago

The only server that is really required to be signed by a public CA is the Expressway-E. This is the only server that clients will see the certificate from when singing in via MRA therefore using a public CA will ensure that users do not have to manually accept the certificate. Certificate Generation Overview X.509 certificates may be supplied from a third party, or may be generated by a certificate generator such as OpenSSL or a tool available in applications such as Microsoft Certification Authority. Third-party certificates supplied by recognized certificate authorities are recommended, although Expressway deployments in controlled or test environments can use internally generated certificates. Certificate generation is usually a 3-stage process: ■ Stage 1: generate a private key ■ Stage 2: create a certificate request ■ Stage 3: authorize and create the certificate

upvoted 2 times

Collabinski 3 years, 7 months ago

I think C & D are correct.

https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/213872-configure-and-troubleshoot-collaboration.html

upvoted 2 times

Collabinski 3 years, 7 months ago

I think C & D are correct. https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/213872-configure-and-troubleshoot-collaboration.htmlWhether the cert is public or private, it looks like you must generate a CSR in Expressway before uploading the file.Not really, you can upload the certificate and private key generated by a CA without having to use CSRi think , you're right.

upvoted 2 times

Collabinski 3 years, 7 months ago

Whether the cert is public or private, it looks like you must generate a CSR in Expressway before uploading the file.

upvoted 1 times

Collabinski 3 years, 7 months ago

Whether the cert is public or private, it looks like you must generate a CSR in Expressway before uploading the file.Not really, you can upload the certificate and private key generated by a CA without having to use CSR

upvoted 1 times

aocstr 3 years, 1 month ago

Not really, you can upload the certificate and private key generated by a CA without having to use CSR

upvoted 3 times

ad5354f 1 year, 10 months ago

i think , you're right.

upvoted 1 times

TestingAAgain 4 years, 2 months ago

I agree with the answers below. You can load a cert without a CSR as long as you also load the private key (you do this in clustering a lot), and you can use a private CA on the E as long as you're not going to have physical phones running through it.

upvoted 2 times

leigh1141 5 years, 5 months ago

Answer is A and D. Expressway C can use a public/private. Expressway E must use a private

upvoted 3 times

tclpjk 6 years, 1 month ago

answer should be A and D. For C, I think the key work is "can" or "must"

upvoted 4 times

Question #63 *Topic 1*

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

A. Cisco Expressway-E and endpoints outside the enterprise

B. Cisco Expressway-C, Cisco Unified Communications Manager, and IM&P

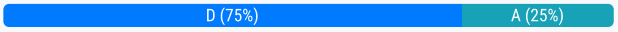
C. Cisco Expressway-C, Cisco Expressway-E, and Cisco Unified Communications Manager

D. Cisco Expressway-C, Cisco Expressway-E, and endpoints outside the enterprise

Suggested Answer: *D*

Official Answer: D

Community vote distribution



FilipeM Highly Voted 4 years, 2 months ago

D is correct: "All signaling between the Cisco Expressway-E and the external endpoints must be encrypted and depending on the endpoint software version, traffic must also be authenticated with certificates" "The communication between the Cisco Expressway-C and the Cisco Expressway-E must always be encrypted and authenticated using server certificates from both servers"Agreed - answer would be D

upvoted 8 times

FilipeM Highly Voted 4 years, 2 months ago

D is correct: "All signaling between the Cisco Expressway-E and the external endpoints must be encrypted and depending on the endpoint software version, traffic must also be authenticated with certificates" "The communication between the Cisco Expressway-C and the Cisco Expressway-E must always be encrypted and authenticated using server certificates from both servers"

upvoted 8 times

leigh1141 3 years, 11 months ago

Agreed - answer would be D

upvoted 3 times

jagifoto 1 year, 11 months ago

D. Cisco Expressway-C, Cisco Expressway-E, and endpoints outside the enterprise must be the answer.

upvoted 1 times

Collabinski 2 years ago

Public DNS (External Domains) The public, external DNS must be configured with _collab-edge._tls. SRV records so that endpoints can discover the Expressway-Es to use for Mobile and Remote Access. You also need SIP service records for general deployment (not specifically for MRA). Domain Service Protocol Priority Weight Port Target host example.com collab-edge tls 10 10 8443 expe1.example.com example.com collab-edge tls 10 10 8443 expe2.example.com example.com sips tcp 10 10 5061 expe1.example.com example.com sips tcp 10 10 5061 expe2.example.com https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/mra/exwy_b_mra-deployment-guide-14/exwy_m_requirements-for-mra.htmlThe traversal zone (UCM or not) between the C&E must also be encrypted.

upvoted 1 times

Collabinski 2 years ago

Selected Answer: A

Public DNS (External Domains) The public, external DNS must be configured with _collab-edge._tls. SRV records so that endpoints can discover the Expressway-Es to use for Mobile and Remote Access. You also need SIP service records for general deployment (not specifically for MRA). Domain Service Protocol Priority Weight Port Target host example.com collab-edge tls 10 10 8443 expe1.example.com example.com collab-edge tls 10 10 8443 expe2.example.com example.com sips tcp 10 10 5061 expe1.example.com example.com sips tcp 10 10 5061 expe2.example.com

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/mra/exwy_b_mra-deployment-guide-14/exwy_m_requirements-for-mra.html

upvoted 1 times

iamnoone Most Recent 1 year, 5 months ago

The traversal zone (UCM or not) between the C&E must also be encrypted.

upvoted 1 times

itzme2nw 3 years ago

It should be D MRA requires secure communication between Expressway-C and Expressway-E, and between Expressway-E and external endpoints. As per tech note https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html

upvoted 3 times

Abhishek1610 4 years, 1 month ago

Correct answer Option A. MRA requires secure communication between Expressway-C and Expressway-E, and between Expressway-E and external endpoints https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc6

upvoted 1 times

Abhishek1610 4 years, 1 month ago

Correct answer Option A. MRA requires secure communication between Expressway-C and Expressway-E, and between Expressway-E and external endpoints https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc6then Aswer is D

upvoted 1 times

chamba87 3 years, 11 months ago

then Aswer is D

upvoted 5 times

Mash11 4 years, 2 months ago

Media encryption is enforced on the call legs between the Expressway-C and the Expressway-E, and between the Expressway-E and endpoints located outside the enterprise.

upvoted 3 times

khader09 4 years, 4 months ago

A is correct

upvoted 1 times

Question #64 *Topic 1*

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

A. link to the DefaultZone

B. pipe to the DefaultZone

C. SIP trunk to the DefaultZone

D. route pattern to the DefaultZone

Suggested Answer: *C*
Official Answer: C

Community vote distribution
A (100%)

BangBang86 Highly Voted 4 years, 6 months ago
There is no way to set a SIP Trunk to the ExpC defaultZone, instead this is a possible missing "Link" to the defaultZone.
upvoted 10 times

Collabinski Most Recent 2 years ago
The Expressway comes preconfigured with the Default Zone and default links between it and the Traversal Subzone. You can also manage calls from unrecognized systems and endpoints by configuring the "links" and "pipes" associated with the Default Zone.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-2/exwy_b_cisco-expressway-administrator-guide-x1402/exwy_m_zones-and-neighbors.html#reference_AB9714D9A58AB2411A667F451A8ED9A5
upvoted 1 times

AKREM86 2 years, 8 months ago
Correct Answer A. Link to DefaultZone Explanation here : "Using Links and Pipes to Manage Access and Bandwidth You can also manage calls from unrecognized systems and endpoints by configuring the "links" and "pipes" associated with the Default Zone. For example, you can delete the default links to prevent any incoming calls from unrecognized endpoints, or apply pipes to the default links to control the bandwidth consumed by incoming calls from unrecognized endpoints." https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0-2/exwy_b_cisco-expressway-administrator-guide-x1402/exwy_m_zones-and-neighbors.html#reference_AB9714D9A58AB2411A667F451A8ED9A5
upvoted 1 times

Abhishek1610 4 years, 1 month ago
The correct answer is option "A" - link to the DefaultZone
upvoted 3 times

khader09 4 years, 4 months ago
route pattern to the DefaultZoneis, wrong, can you explaint your decision?
upvoted 1 times

khader09 4 years, 4 months ago
route pattern to the DefaultZone
upvoted 1 times

Madc5 3 years, 5 months ago
is, wrong, can you explaint your decision?
upvoted 1 times

Question #65 *Topic 1*

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

A. _cisco-uds._tcp.

B. _cisco-mra._tls.

C. _collab-edge._tls.

D. _cisco-expwy._tls.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

C (100%)

Abhishek1610 Highly Voted 4 years, 2 months ago

_cisco-uds is used for CUCM _collab-edge is used for MRA _cuplogin i sused for IM&P Correct answer is option C. _collab-edge._tls.

upvoted 5 times

BangBang86 Highly Voted 4 years, 6 months ago

_cisco-uds is used for internal communication, while _collab-edge is used for external clients.

upvoted 5 times

Alex234 Most Recent 7 months ago

it is for public

upvoted 1 times

Collabinski 2 years ago

Public DNS (External Domains) The public, external DNS must be configured with _collab-edge._tls. SRV records so that endpoints can discover the Expressway-Es to use for Mobile and Remote Access. 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_0100.pdf

upvoted 1 times

khader09 4 years, 4 months ago

_collab-edge._tls.

upvoted 4 times

Prorod 4 years, 4 months ago

_collab-edge._tls. is used for external resolution

upvoted 3 times

Question #66 *Topic 1*

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?



```
2021-02-02T12:18:27.359-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,359" Module="network.sip" Level="INFO":  Action="Sent" Local-ip="]
2021-02-02T12:18:27.360-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,359" Module="network.sip" Level="DEBUG":  Action="Sent" Local-ip='
SIPMSG:
|REGISTER sip:cucm.pod1.local SIP/2.0
Via: SIP/2.0/TCP 10.0.101.115:5060;egress-zone=CEtcpcucmpod1local;branch=z9hG4bKaa525ee7842f3b408b2cbc882ff5866237642.8b46bf0f88eff29e
Via: SIP/2.0/TLS 10.0.101.119:7002;egress-zone=UC;branch=z9hG4bK0822ed2041bc6f7a15d68e86ce58290b2465.967ceda2f6ae2c01deb5a118f58ab29e;
Via: SIP/2.0/TLS 10.0.132.202:54651;branch=z9hG4bK00006696;received=10.0.132.202;ingress-zone=CollaborationEdgeZone
Call-ID: 005056ae-48d5084e-000041c1-00004e3b@10.0.132.202
CSeq: 4351 REGISTER
Contact: <sip:6649132f-1a5c-a445-9400-869c6960b0d9@10.0.101.115:5060;transport=tcp;orig-hostport=10.0.132.202:54651>;+sip.instance="<u
From: <sip:2000@cucm.pod1.local>;tag=005056ae48d5085000002633-0000339d
To: <sip:2000@cucm.pod1.local>
Max-Forwards: 14
Route: <sip:cucm.pod1.local;transport=tcp;lr>
User-Agent: Cisco-CSF
Expires: 3600
Date: Tue, 02 Feb 2021 20:18:26 GMT
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,
P-Asserted-Identity: <sip:2000@cucm.pod1.local>
Reason: SIP ;cause=200;text="cisco-alarm:24 Name=CSFjabberuse ActiveLoad=Jabber_for_Windows-11.8.2.50390 InactiveLoad=Jabber_for_Windo
Session-ID: c0d0278100255000a0000dcf900d0000;remote=00000000000000000000000000000000
Content-Type: multipart/mixed;boundary=uniqueBoundary
Content-Length: 1271
2021-02-02T12:18:27.363-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,362" Module="network.sip" Level="INFO":  Action="Received" Local-i
2021-02-02T12:18:27.363-08:00 expc tvcs: UTCTime="2021-02-02 20:18:27,363" Module="network.sip" Level="DEBUG":  Action="Received" Local-
SIPMSG:
|SIP/2.0 405 Method Not Allowed
Via: SIP/2.0/TCP 10.0.101.115:5060;egress-zone=CEtcpcucmpod1localrt=7002;ingress-zone=UCZone,SIP/2.0/TLS 10.0.132.202:54651;branch=z9h
Call-ID: 005056ae-48d5084e-000041c1-00004e3b@10.0.132.202
CSeq: 4351 REGISTER
From: <sip:2000@cucm.pod1.local>;tag=005056ae48d5085000002633-0000339d
To: <sip:2000@cucm.pod1.local>;tag=220085250
Allow: INVITE,OPTIONS,INFO,BYE,CANCEL,ACK,PRACK,UPDATE,REFER,SUBSCRIBE,NOTIFY
Server: Cisco-CUCM12.5
Date: Tue, 02 Feb 2021 20:18:27 GMT
Warning: 399 cucm "SIP trunk disallows REGISTER"
Content-Length: 0
```

A. Change the SIP profile on the SIP trunk for the Expressway-E to Standard SIP Profile for TelePresence Endpoint

B. Change the ג€Incoming Portג€ 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 ג€vcs-interopג€ normalization script does not allow registrations

Suggested Answer: *B*

Official Answer: B

Community vote distribution

B (100%)

Collabinski Most Recent 2 years ago

A diagnostic log from Expressway-C shows a SIP/2.0 405 Method Not Allowed message in response to the Registration request sent by the Jabber client. This is likely due to an existing Session Initiation Protocol (SIP) trunk between Expressway-C and CUCM using port 5060/5061. In order to correct this issue, change the SIP port on the SIP Trunk Security Profile that is applied to the existing SIP trunk configured in CUCM and the Expressway-C neighbor zone for CUCM to a different port such as 5065. https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc16

upvoted 1 times

Ol_Mykhailiuk 2 years, 3 months ago

In order to correct this issue, change the SIP port on the SIP Trunk Security Profile that is applied to the existing SIP trunk configured in CUCM and the Expressway-C neighbor zone for CUCM to a different port such as 5065.

upvoted 1 times

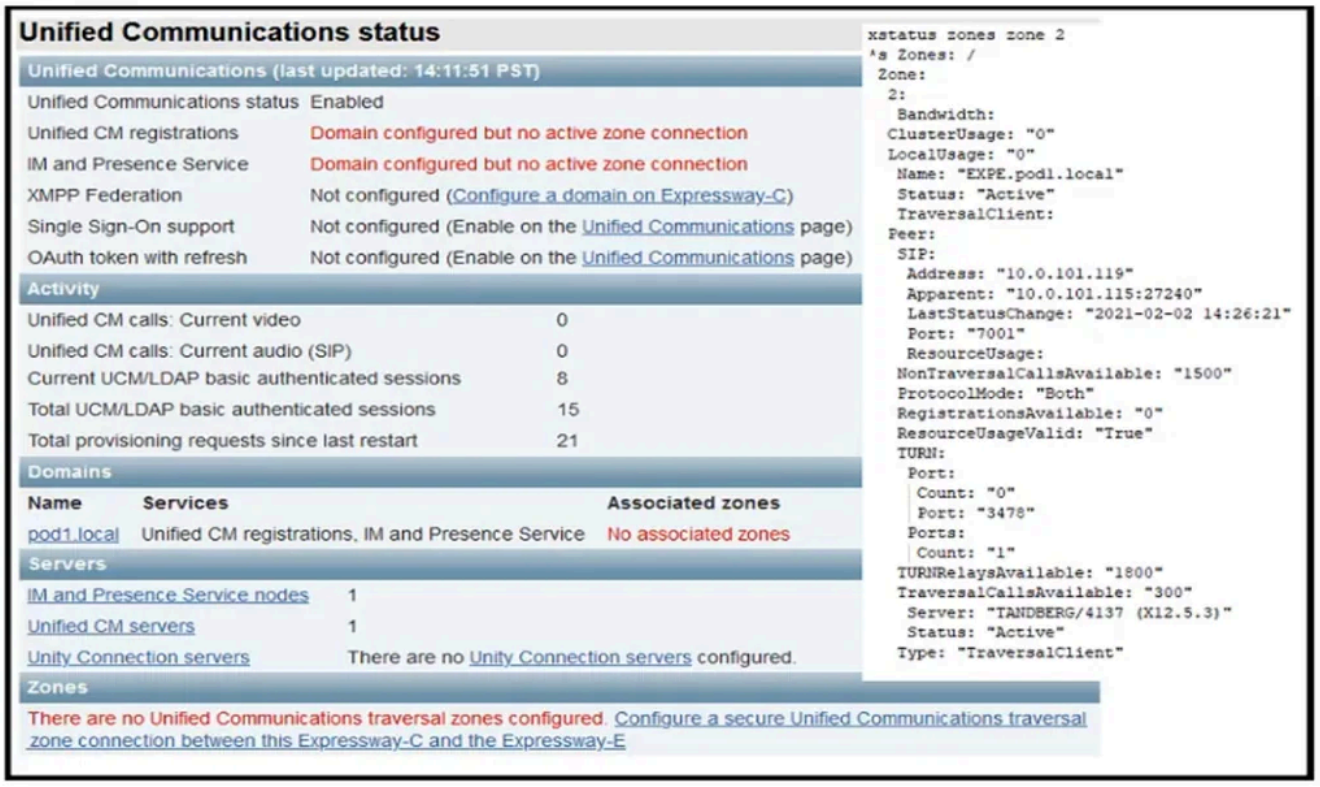
Omitted 2 years, 8 months ago

B is correct, this is a common issue. https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc16

upvoted 3 times

Question #67 *Topic 1*

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



Unified Communications status

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

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

Domains		
Name	Services	Associated zones
pod1.local	Unified CM registrations, IM and Presence Service	No associated zones

Servers	
IM and Presence Service nodes	1
Unified CM servers	1
Unity Connection servers	There are no Unity Connection servers configured.

Zones

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

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

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.

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Madc5 Highly Voted 3 years, 5 months ago

D is correct

upvoted 8 times

Collabinski 2 years ago

Unified CM registrations and IM&P say the "domain is configured but no active zone connection. This link has the suggestion from the Mentor in the Community thread. https://community.cisco.com/t5/other-collaboration-subjects/cisco-vcs-mra-there-are-no-unified-communications-traversal/td-p/2693645

upvoted 1 times

Collabinski 2 years, 1 month ago

While D could be correct. CUCM is not configured in the Exp-C here. Wouldn't that need to be resolved first before the UC Traversal Zone could work? Disregard. I see the active IM&P and Unified CM servers under the Server section.

upvoted 1 times

Collabinski 2 years, 1 month ago

While D could be correct. CUCM is not configured in the Exp-C here. Wouldn't that need to be resolved first before the UC Traversal Zone could work?

upvoted 1 times

Collabinski Most Recent 2 years ago

Disregard. I see the active IM&P and Unified CM servers under the Server section.

upvoted 1 times

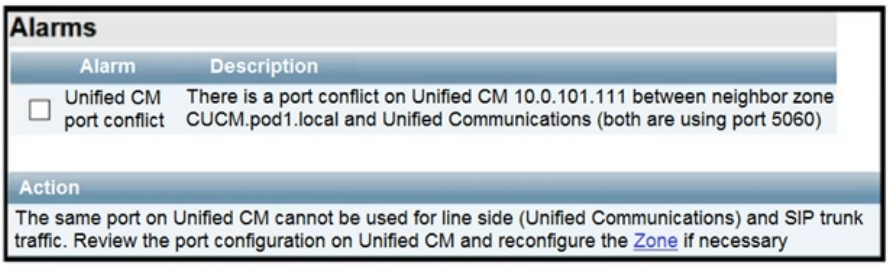
TestingAAgain 2 years, 8 months ago

D is correct. If you look at the bottom of the diagram, it shows a CUCM server configured and also states at the very bottom that the UC traversal zone is not configured

upvoted 3 times

Question #68 *Topic 1*

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



A. The listening port on the Expressway-C for SIP TCP must be changed to a value other than 5060

B. The listening port on the Expressway-C for SIP TLS must be changed to a value other than 5061

C. The listening port on the Cisco UCM for the Expressway-C SIP trunk must be changed to something other than 5060 or 5061

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

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
Also, this was mentioned in the doc. † Unified CM can listen on 5061 for TCP SIP but we discourage it.
upvoted 1 times

Collabinski 2 years, 1 month ago
* If you have MRA connections to the Unified CM, which are line-side connections to 5060/5061, then you should avoid using 5060/5061 as the listening port for any SIP trunks you create on that Unified CM.
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
upvoted 1 times

TestingAAgain 2 years, 8 months ago
Should be C
upvoted 2 times

chacthor 3 years ago
Should be C
upvoted 2 times

tilo1988 3 years, 1 month ago
Page 131 on following LINK: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKUCC-2801.pdf C is correct
upvoted 3 times

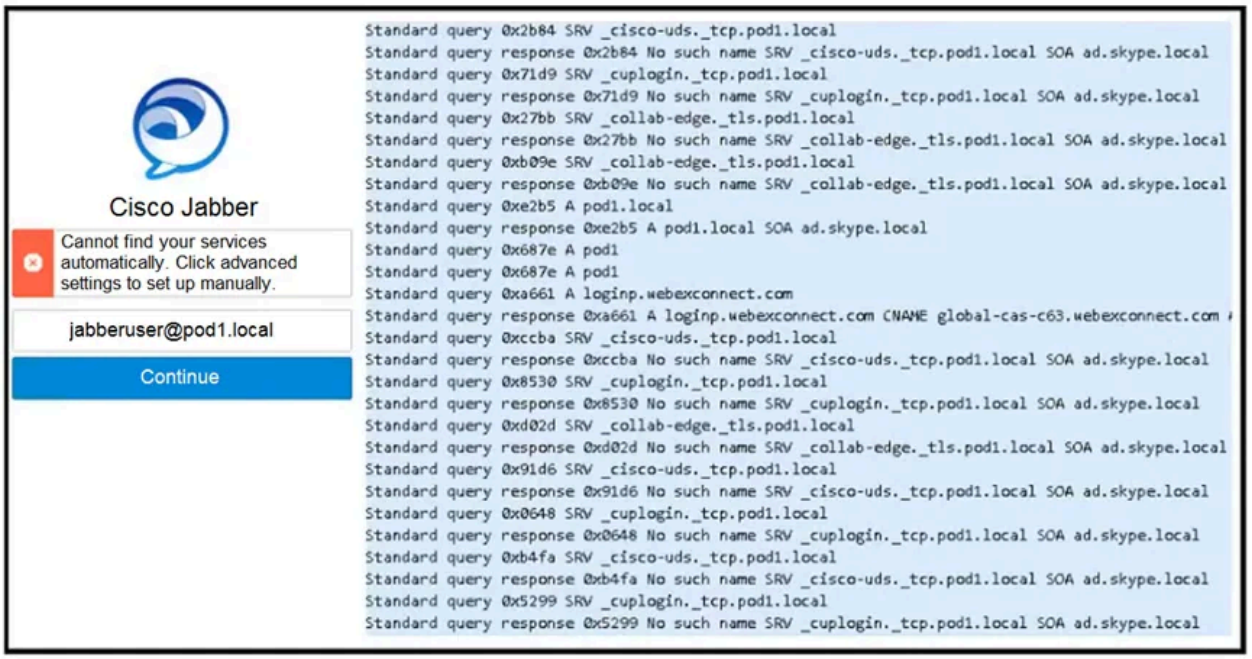
Madc5 3 years, 5 months ago
must be CYou are correct sir, C is the answer: Source: https://video.cisco.com/video/5828524592001
upvoted 4 times

Madc5 3 years, 5 months ago
must be C
upvoted 4 times

jonycakes 3 years, 1 month ago
You are correct sir, C is the answer: Source: https://video.cisco.com/video/5828524592001
upvoted 2 times

Question #69 *Topic 1*

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.

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

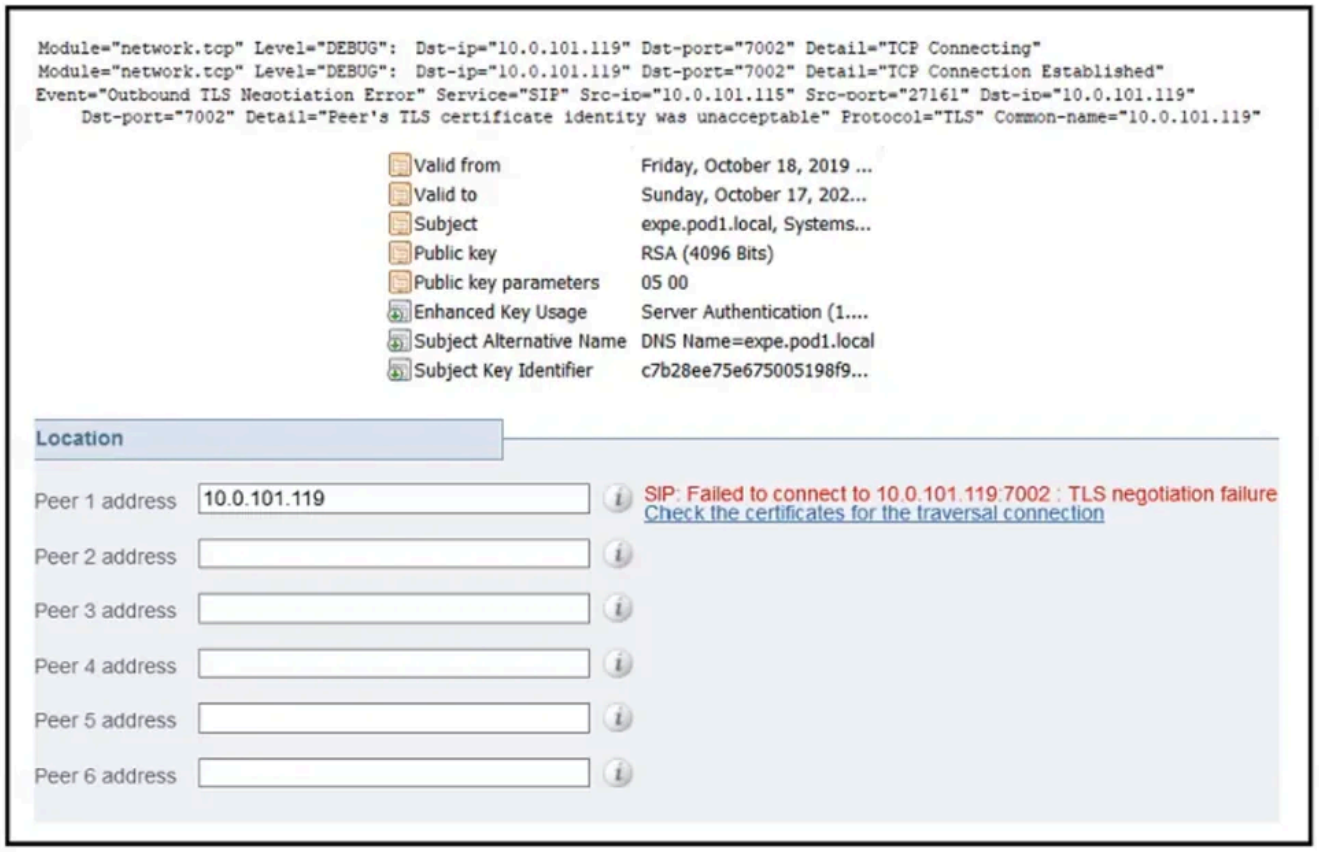
Collabinski Most Recent 2 years ago

C is correct

upvoted 1 times

Question #70 *Topic 1*

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

Suggested Answer: *D*
Official Answer: D

Community vote distribution
C (100%)

Madc5 Highly Voted 3 years, 5 months ago
the correct answer is C
upvoted 16 times

cmichelotti Most Recent 11 months ago
the correct answer is C. it's always a better idea to use fqdn instead of ip address when working with tls
upvoted 1 times

Collabinski 2 years ago
UC Traversal Zone Settings Peer 1 address Enter the FQDN of the Expressway-E. Note that if you use an IP address (not recommended), that address must be present in the Expressway-E server certificate. If you have configured Expressway-E with a dual NIC interface for MRA, enter the FQDN of Expressway-E's internal interface (not the IP address). Expressway-C requires a local DNS record that points to the FQDN of the Expressway-E's

internal LAN. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0-1/mra/exwy_b_mra-deployment-guide-x1401/exwy_m_basic-configuration.html

upvoted 2 times

AKREM86 2 years, 8 months ago

It should be C. Explanation : "Enter the FQDN of the Expressway-E. Note that if you use an IP address (not recommended), that address must be present in the Expressway-E server certificate." https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0-1/mra/exwy_b_mra-deployment-guide-x1401/exwy_m_basic-configuration.html

upvoted 2 times

Question #71 *Topic 1*

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

A. Cisco Unified CM is always used for meeting capabilities.

B. Depending on the media flow, the Webex Meeting Center or local Cisco Unified CM meeting resources are used for meeting capabilities.

C. Depending on the origin of the user, the Webex Meeting Center or local Cisco Unified Communications Manager meeting resources are used for meeting capabilities.

D. Cisco Webex Meeting Center is always used for meeting capabilities.

Suggested Answer: *D*
Official Answer: D

Community vote distribution
D (100%)

BangBang86 Highly Voted 4 years, 6 months ago
The answer should be "Depending on the origin of the user, the Webex Meeting Center or local Cisco Unified Communications Manager meeting resources are used for meeting capabilities." since the source of the user is the most relevant.
upvoted 5 times

Collabinski Most Recent 2 years ago
D is correct
upvoted 2 times

msully 2 years, 8 months ago
The following services are available in a hybrid cloud-based deployment that uses Webex Messenger service: Contact Source—The Cisco Webex Messenger service provides contact resolution. Presence—The Cisco Webex Messenger service allows users to publish their availability and subscribe to other users' availability. Instant Messaging—The Cisco Webex Messenger service allows users to send and receive instant messages. Audio—Place audio calls through desk phone devices or computers through Cisco Unified Communications Manager. Video—Place video calls through Cisco Unified Communications Manager. Conferencing—Cisco Webex Meetings Center provides hosted meeting capabilities. Voicemail—Send and receive voice messages through Cisco Unity Connection.
upvoted 1 times

TestingAAgain 2 years, 8 months ago
should be D
upvoted 3 times

lycaba 3 years, 2 months ago
The answer is D.
upvoted 3 times

chamba87 3 years, 11 months ago
The answer is D
upvoted 2 times

Mark03 4 years ago
Answer: D https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_8/cjab_b_planning-guide-cisco-jabber-128/cjab_b_planning-guide-cisco-jabber-128_chapter_010.html?bookSearch=true#CJAB_RF_H9B69A5D_00
upvoted 3 times

virtu 4 years ago
Answer is D. Based on Conferencing—Cisco Webex Meetings Center provides hosted meeting capabilities. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_5/Planning_Guide/cjab_b_planning-guide-for-cisco-jabber-125/cjab_b_planning-guide-for-cisco-jabber-125_chapter_011.html See section Hybrid Cloud-Based Deployment with Cisco Webex Messenger Service
upvoted 3 times

Question #72 *Topic 1*

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.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

We recommend that the Expressway-C be dedicated to hosting connectors for Webex Hybrid Services. You can use the Expressway-C connector host for other purposes, but that can change the supported number of users.

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-message-deployment-guide_chapter_01.html#task_E4158047C66F3B4FA5353D2156F999DB

upvoted 1 times

khader09 4 years, 4 months ago

A. Register Expressway-C Connector Hosts to the Cisco Webex Cloud.

upvoted 4 times

Question #73 *Topic 1*

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

A. Presence

B. Phone services

C. Voicemail

D. Call forward services

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

khader09 Highly Voted 4 years, 4 months ago

The following services are available in a cloud-based deployment using Webex Messenger: Contact Source Presence— Instant Messaging—. Conferencing

upvoted 5 times

Collabinski Most Recent 2 years ago

The following services are available in a cloud-based deployment using Webex Messenger: -Contact Source -Presence -Instant Messaging -Conferencing Cert Guide pg 446

upvoted 1 times

Question #74 *Topic 1*

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.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

The Cisco Webex Hybrid Calendar Service high-level architecture, depicted in Figure 3-1, enables an organization to integrate their corporate Microsoft Exchange calendar services with Webex through the Expressway-C Connector Host. This is in the link Mark03 provided

upvoted 1 times

TestingAAgain 2 years, 8 months ago

Should be A. Directory connector is not required for OBTP....the calendar connector is.

upvoted 3 times

Mark03 4 years ago

Answer is A https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/calendarservice/cmgt_b_deploy-spark-hybrid-calendar-service/cmgt_b_deploy-spark-hybrid-calendar-service_chapter_011.html

upvoted 2 times

Abhishek1610 4 years, 1 month ago

Correct option is A

upvoted 2 times

khader09 4 years, 4 months ago

A. Expressway Connector is required for an on-premises Exchange server.

upvoted 2 times

BangBang86 4 years, 6 months ago

Indeed Expressway Connector is required.

upvoted 3 times

Question #75 *Topic 1*

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.

Suggested Answer: *B, D*

Official Answer: BD

Community vote distribution

BD (100%)

Collabinski Most Recent 2 years ago

Look at the SIP Dial-in Flow to VMN (scenario1), it eludes to CUCM making decisions. https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2019/pdf/BRKCOL-2073.pdf Local reachable VMN resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud. Cert Guide pg 426

upvoted 1 times

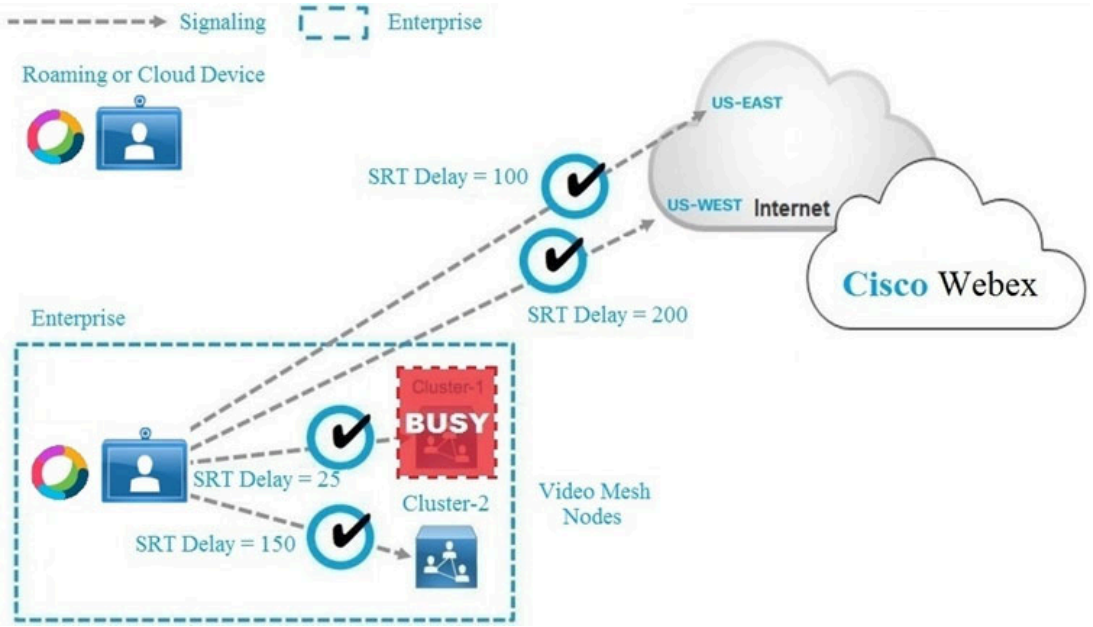
tilo1988 3 years, 1 month ago

D is correct because: In Unified CM, each SIP trunk can support up to 16 Video Mesh destinations (IP addresses). LINK: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_011.html

upvoted 3 times

Question #76 *Topic 1*

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



A. Both Cloud Node US-EAST and US-WEST

B. Video Mesh Cluster-2

C. Cloud Node US-EAST

D. Cloud Node US-WEST

Suggested Answer: *B*

Official Answer: B

Community vote distribution

B (100%)

Collabinski Most Recent 2 years ago

Local reachable Video Mesh resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

upvoted 1 times

Ol_Mykhailiuk 2 years, 2 months ago

Learned reachability information is provided to the Webex cloud every time a call is set up. This information allows the cloud to select the best resource (cluster or cloud), depending on the relative location of the client to available clusters and the type of call. If no resources are available in the preferred cluster, additional clusters are tested for availability based on SRT delay. A preferred cluster is chosen with the lowest SRT delay. Calls are served on premises from a secondary cluster when the primary cluster is busy. Local reachable Video Mesh resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud.
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

upvoted 1 times

iulianm 2 years, 6 months ago

I agree, B is right. Cluster 2 from on-premise has STUN Round-Trip Delay (SRT) lower than 250ms. I that case Cluster 2 will be selected. If Cluster 2 had for example SRT =300 (>250) then cloud US-EAST will be chosen.

upvoted 2 times

chumleyex 2 years, 11 months ago

I Agree, B is right. Cloud Cluster Selection for Overflow Based on 250 ms or Higher STUN Round-Trip Delay
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html
upvoted 1 times

undertabler 3 years ago
The correct answer is B - Video Mesh Cluster-2. Local Webex Video Mesh resources are always tried first (unless the round-trip delay is not greater than 250 then the lower cloud resource would be used.) Source: Official Cert Guide
upvoted 3 times

chamba87 3 years, 11 months ago
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

"Which cluster is used also depends on latency rather than just location. For example, a cloud cluster with lower STUN round-trip (SRT) delay than a Webex Video Mesh cluster may be a better candidate for the meeting. This logic prevents a user from landing on a geographically far cluster with a high SRT delay"
upvoted 2 times

chamba87 3 years, 11 months ago
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html "Which cluster is used also depends on latency rather than just location. For example, a cloud cluster with lower STUN round-trip (SRT) delay than a Webex Video Mesh cluster may be a better candidate for the meeting. This logic prevents a user from landing on a geographically far cluster with a high SRT delay"the answer is C (US-EAST), correct?
upvoted 2 times

tilo1988 3 years, 1 month ago
the answer is C (US-EAST), correct?
upvoted 1 times

virtu 4 years ago
From my point of view, the answer will be C US-East based on the lowest SRT, because the question says The Webex Teams Endpoint, not SIP endpoint registered to CUCM. Based on the registration procedure, Webex Teams endpoint upon registration retrieves a list of nodes from Cloud, and make connectivity test to chouse VMN based on the lowest SRT.
upvoted 2 times

khader09 4 years, 4 months ago
A preferred cluster is chosen with the lowest SRT delay. Calls are served on premises from a secondary cluster when the primary cluster is busy. Local reachable Webex Video Mesh resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud.
upvoted 2 times

Question #77 *Topic 1*

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.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
Not recommended by Cisco, but C is correct. DMZ-based deployment of the Video Mesh cluster is not recommended due to the following reasons: ○ The external firewall will need to allow UDP traffic from ANY port to the address of the Video Mesh Nodes via port 5004, so that roaming Webex Teams endpoints can send media to the nodes. This is not a preferred approach.
https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Collaboration/hybrid/12x/hybcvd/hms.html
upvoted 1 times

tilo1988 3 years, 1 month ago
https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Collaboration/hybrid/12x/hybcvd/hms.html Answer is C
upvoted 2 times

chamba87 3 years, 11 months ago
"The external firewall will need to allow UDP traffic from ANY port to the address of the Video Mesh Nodes via port 5004, so that roaming Webex Teams endpoints can send media to the nodes. This is not a preferred approach." So yes, C is the correct answer
upvoted 3 times

leigh1141 3 years, 11 months ago
Answer is C - It will use 5004 for traffic
upvoted 1 times

Question #78 *Topic 1*

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.

Suggested Answer: *D*

Official Answer: D

Community vote distribution



Collabinski Most Recent 2 years ago

Configure Deskphone Control Prerequisites The Cisco CTIManager service must be running in the Cisco Unified Communications Manager cluster. • You cannot use this feature with devices that do not support CTI.

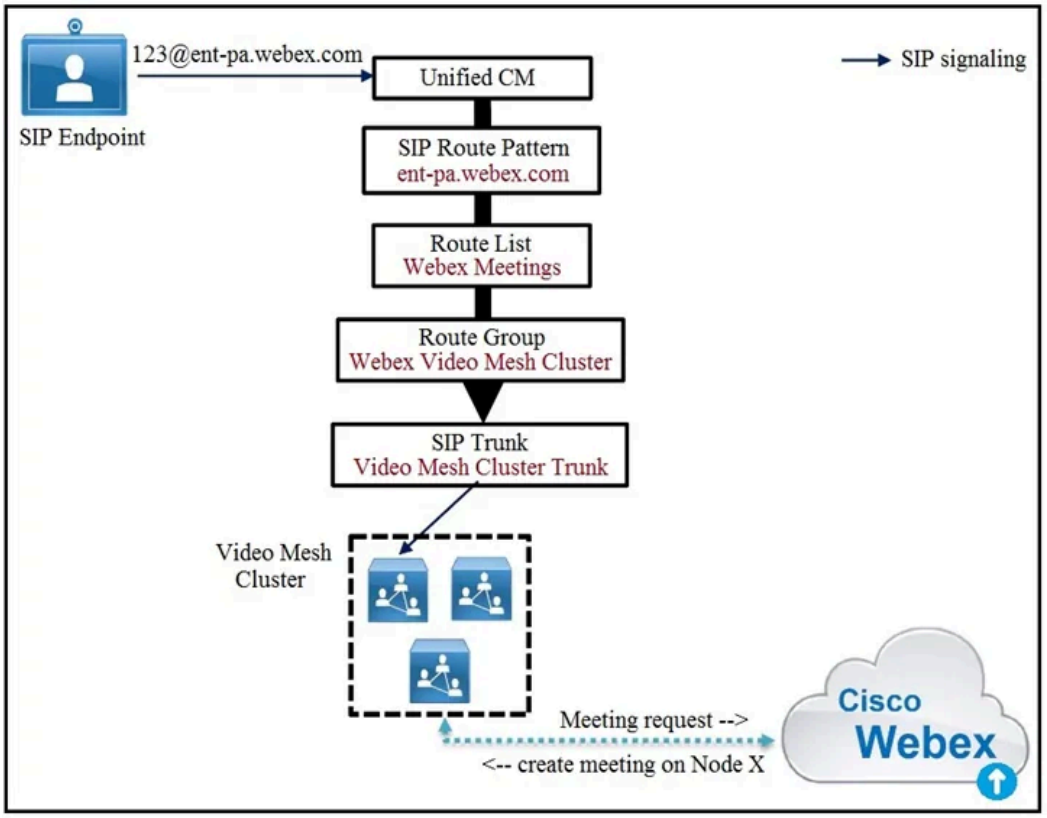
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_5/DIGCloud/cjab_b_cloud-hybrid-deploy-125/cjab_b_cloud-hybrid-deploy-125_chapter_01001.html

upvoted 2 times

Question #79 *Topic 1*

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

What happens to the participant's call?



A. Another node in the cluster is used and an intra-cluster cascade between the two Video Mesh nodes is formed.

B. The call is queued.

C. The call fails.

D. Another node in the cluster is used and an intra-cluster cascade between Webex and the new Video Mesh node is formed.

Suggested Answer: *A*

Official Answer: A

Community vote distribution

A (100%)

khader09 Highly Voted 4 years, 4 months ago

If the node hosting the meeting reaches full capacity, another node in the cluster will be used and an intra-cluster cascade will be formed. (The intra-cluster cascade routes from node to node, not via Webex.)

upvoted 12 times

leigh1141 Highly Voted 3 years, 11 months ago

Answer is A > If the node hosting the meeting reaches full capacity, another node in the cluster will be used and an intra-cluster cascade will be formed. https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Collaboration/hybrid/12x/hybcvd/hms.html

upvoted 6 times

Collabinski Most Recent 2 years ago

khader09 and leigh1141 have it correct. Answer is A

upvoted 2 times

TestingAAgain 2 years, 8 months ago

answer is A

upvoted 3 times

BangBang86 4 years, 6 months ago

The IntraCluster is not made against the cloud, instead it is handled locally to the cluster.

upvoted 2 times

BangBang86 4 years, 6 months ago

The IntraCluster is not made against the cloud, instead it is handled locally to the cluster.So answer is C ?answer is A

upvoted 2 times

Simdude 4 years, 5 months ago

So answer is C ?answer is A

upvoted 1 times

Simdude 4 years, 5 months ago

So answer is C ?

upvoted 1 times

khader09 4 years, 4 months ago

answer is A

upvoted 4 times

Question #80 *Topic 1*

An organization wants to enable a Cisco Webex connector to synchronize all employees automatically with Cisco Webex instead of using a manual list.
Where is the Webex Hybrid Directory Service configured?

A. Install Cisco Directory Connector on a Microsoft Windows Domain server and configure the software and Webex Control Hub.

B. Enable the directory service in Cisco Unified Communications Manager under Cisco Unified Serviceability and add the service in Webex Control Hub.

C. Enable the directory service on Cisco Expressway Edge for Office 365 or Cisco Expressway Core for internal Active Directory and add the service in Webex Control Hub.

D. Install the Cisco Express Connector and configure the device in Cisco Unified Communications Manager under Cisco Unified Serviceability and add the service in Webex Control Hub.

Suggested Answer: *A*
Official Answer: A

Community vote distribution
A (100%)

Collabinski Most Recent 2 years ago
https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Collaboration/hybrid/12x/hybcvd/directory.html
upvoted 1 times

Collabinski 2 years ago
To deploy Webex Hybrid Directory Service in the PA for Webex Hybrid Services, we recommend the following: • Ensure that the end-user account mail ID field in the Unified CM End User database contains the user's email address. Webex Teams users correlate to Cisco Unified CM end users by means of email addresses. With LDAP directory integration, the mail ID field for Unified CM end users is typically mapped from the mail field of the LDAP directory during synchronization. • Install Cisco Directory Connector on a separate Windows server from the Active Directory Domain Service or Active Directory Lightweight Directory Services. • Run a first synchronization after the Directory Connector installation finishes. Then configure full synchronization and incremental synchronization schedules to keep the Directory Connector (and in turn Webex) updated when resource and user information changes (resource or user update, deletion, or addition) within Microsoft Active Directory
upvoted 1 times

TestingAAgain 2 years, 8 months ago
Answer is A, but it's misleading as the server does NOT have to be a domain controller....just a member of the domain.i think that is what was meant by domain server.
upvoted 2 times

TestingAAgain 2 years, 8 months ago
Selected Answer: A
Answer is A, but it's misleading as the server does NOT have to be a domain controller....just a member of the domain.
upvoted 2 times

Omitted 2 years, 8 months ago
i think that is what was meant by domain server.
upvoted 1 times

Abhishek1610 4 years, 2 months ago
CDC is installed on Windows domain
upvoted 1 times

Question #81 *Topic 1*

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

A. From VMN to CUCM SIP endpoints, the source UDP ports from 52500 to 62999 is used for audio traffic.

B. From VMN to Webex Teams clients, the source UDP port 5004 is used for video traffic.

C. From Webex cloud to VMN, the source UDP port 9000 is used for audio traffic.

D. From VMN to video endpoints, the destination UDP port 5004 is used for audio traffic.

E. From VMN to Webex cloud, the destination UDP port 9000 is used for video traffic.

Suggested Answer: *A, B*
Official Answer: AB

Collabinski 2 years ago
Figure 2. Traffic Signatures for Video Mesh (Quality of Service Enabled) shows UPD 52500-62999 from SIP Endpoints to VMN and TCP/UDP 5004 from Webex Clients to VMN. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html#reference_CAE1A60E80AE6EC7BF96DAE7980D792D
upvoted 2 times

itzme2nw 3 years ago
A,B seems correct Video Mesh Node Unified CM SIP endpoints 52500 to 62999 Unified CM SIP Profile EF Audio Video Mesh Node Webex Teams application or endpoint 5004 52100 to 52299 AF41 Video
upvoted 2 times

chamba87 3 years, 11 months ago
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html#reference_CAE1A60E80AE6EC7BF96DAE7980D792D Looks like A and B are correct
upvoted 4 times

virtu 4 years ago
maybe A and DThought the same thing for a minute, but it is a vague answer.
upvoted 1 times

virtu 4 years ago
maybe A and D
upvoted 1 times

Collabinski Most Recent 2 years ago
Thought the same thing for a minute, but it is a vague answer.
upvoted 2 times

khader09 4 years, 4 months ago
A and B
upvoted 2 times

Question #82 *Topic 1*

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

A. Directory Connector must be deployed for OBTP to work with on-premises video devices

B. Directory Connector is required for Azure AD

C. Hybrid Message service works only with Jabber cloud deployment

D. Expressway Connector is required for an on-premises Exchange server

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Dregtien Most Recent 1 year, 10 months ago

this question is already been asked : question 74

upvoted 1 times

Collabinski 2 years, 6 months ago

Nothing in the documents provided mention anything about a Directory Connector required for Azure

upvoted 1 times

Collabinski 2 years, 6 months ago

D is correct

upvoted 2 times

TestingAAgain 3 years, 2 months ago

Correct answer is D

upvoted 1 times

jonycakes 3 years, 7 months ago

Source: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/calendarservice/cmgt_b_deploy-spark-hybrid-calendar-service/cmgt_b_deploy-spark-hybrid-calendar-service_chapter_011.html

upvoted 2 times

Madc5 3 years, 11 months ago

correct D

upvoted 3 times

Question #83 *Topic 1*

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

A. the lowest STUN round-trip delay to each node and cloud

B. a reachable Video Mesh Node and then overflows to the cloud, if needed

C. the SIP delay header during call setup

D. an HTTPS speed and latency test to each node and the cloud

Suggested Answer: *B*

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

Community vote distribution

B (100%)

FreeWill06 2 years, 3 months ago

the question is about "discovering" not selecting, under this circonstances, I would say B is the correct answer.

upvoted 1 times

Omitted 2 years, 8 months ago

Tough because A isn't wrong but B is the better answer since lowest STUN RT isn't the only criteria.

upvoted 1 times

JCArias 2 years, 8 months ago

B is correct, only selects cloud cluster if round-trip delay is higher than 250ms, but option A says the "lowest" which is not a rule always

upvoted 1 times

Pashat 3 years ago

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html looks like A to me. Document specifies low stun rttLocal reachable Video Mesh resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

upvoted 2 times

Pashat 3 years ago

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

looks like A to me. Document specifies low stun rtt

upvoted 2 times

Collabinski Most Recent 2 years, 1 month ago

Local reachable Video Mesh resources are tried first, in order of lowest SRT delay. When all local resources are exhausted, the participant connects to the cloud. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

upvoted 2 times

Question #84 *Topic 1*

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

A. Export a CSV list of users in the Cisco Webex Control Hub, set the Hybrid Calendar Service to TRUE for users to be enabled, then import the file back to Manage Users menu in the Cisco Webex Control Hub.

B. Set up an Auto-Assign template that enables Hybrid Calendar.

C. Select the Hybrid Services settings card in the Cisco Webex Control Hub and import a User Status report that contains only users to be enabled.

D. On the Users tab in the Cisco Webex Control Hub, check the box next to each user who should be enabled, then click the toggle for the Hybrid Calendar service to turn it on.

E. From Cisco Webex Control Hub, verify the domain that your Hybrid Calendar users will use, which automatically activates them for the service.

Suggested Answer: *A, B*
Official Answer: AB

Community vote distribution
AB (80%) AE (20%)

immymortal Highly Voted 3 years, 2 months ago
Adding the Domain doesn't provide any additional features for Hybrid Calendar. Setting up an Auto-Assign License template will ensure all future new users have the service activated.
upvoted 6 times

Collabinski Most Recent 2 years ago
2. Click Export to download the file and you can enter user information in a new line in the CSV file. To assign a service, add TRUE in that service's column, and to exclude a service, add FALSE. https://help.webex.com/en-us/article/nz0krq9/Configure-and-manage-your-Webex-Calling-users#task_AF07212F4D2DA8D3F7BF6681552F7EF7 Converted user accounts are not activated automatically if you didn't verify a domain. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/directoryconnector/cmgt_b_directory-connector-guide-admins/cmgt_b_directory-connector-guide-admins_chapter_0111.pdf
upvoted 1 times

Collabinski 2 years ago
https://help.webex.com/en-us/article/nz0krq9/Configure-and-manage-your-Webex-Calling-users#task_AF07212F4D2DA8D3F7BF6681552F7EF7All of the answers are in this doc.
upvoted 1 times

Collabinski 2 years ago
https://help.webex.com/en-us/article/nz0krq9/Configure-and-manage-your-Webex-Calling-users#task_AF07212F4D2DA8D3F7BF6681552F7EF7
upvoted 1 times

Collabinski 2 years ago
All of the answers are in this doc.
upvoted 1 times

Collabinski 2 years ago
A, B and E seem like they're all correct for auto-config.
upvoted 1 times

Collabinski 2 years, 1 month ago
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/directoryconnector/cmgt_b_directory-connector-guide-admins/cmgt_b_directory-connector-guide-admins_chapter_0111.html Converted user accounts are not activated automatically if you didn't verify a domain. For example, if you turned on the auto-assign license template and then turned on Directory Connector without domain verification, converted users are inactive in the cloud backend until they confirm their email addresses.
upvoted 1 times

rich19007 2 years, 2 months ago

Hi guys, It actually could be D. I think the actual template referred to in B is Auto-Assign License template. B is omitting the word license. However, this is not the reason I think it may be D. "Converted user accounts are not activated automatically if you didn't verify a domain. For example, if you turned on the auto-assign license template and then turned on Directory Connector without domain verification, converted users are inactive in the cloud backend until they confirm their email addresses."
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/directoryconnector/cmgt_b_directory-connector-guide-admins/cmgt_b_directory-connector-guide-admins_chapter_0111.html#concept_B4BB5830508EDCD7C49345AA9D54BD6E The URL below is referring to the Directory Connector, but a URL that explains the Hybrid Calendar has a hot link that points there:
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/calendarservice/cmgt_b_deploy-spark-hybrid-calendar-service/cmgt_b_deploy-spark-hybrid-calendar-service_chapter_0111.html

upvoted 2 times

TestingAAgain 2 years, 8 months ago

Answers are A & B. Validating the domain doesn't add functionality for new users.

upvoted 2 times

Question #85 *Topic 1*

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

A. Add a new end-user with the ɔ€Standard AXL API Accessɔ€ role

B. Use an application user with only the ɔ€Standard CTI Allow Control of All Devicesɔ€ role

C. Use an application user not the main administrator account with the ɔ€Standard AXL API Accessɔ€ role

D. Use the main administrator account if it includes the ɔ€Standard AXL API Accessɔ€ role

Suggested Answer: *C*

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

Community vote distribution

C (100%)

Collabinski Most Recent 2 years ago

Configure an Application Account for Message Connector Configure an account for Message Connector to access the AXL API of the Cisco Unified Communications Manager IM and Presence Service. You must use an independent administrator account, not the main administrator account. Remember the details of this account so you can enter them in the Message Connector configuration later.
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-message-deployment-guide_chapter_010.html

upvoted 2 times

Question #86 *Topic 1*

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

A. geo-locations

B. distributed DNS

C. verified domains

D. resource groups

Suggested Answer: *D*
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-message-deployment-guide_chapter_00.html

Collabinski Most Recent 2 years ago
lolah is correct. Here's the link:
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-message-deployment-guide_chapter_00.html
upvoted 1 times

lolah 2 years, 8 months ago
D is correct "You can use Resource Groups in Control Hub to define your organization's geography, and then assign Expressway resources to different resource groups that represent locations. The set of users you assign to each resource group should correspond to the users in all IM and Presence Service clusters served by the Expressways in those resource groups."
upvoted 3 times

Question #87 *Topic 1*

Refer to the exhibit. When a Jabber user attempts to connect from outside of the organization, the user enters the login information as "user@example.com" and receives the error "Cannot find your services Automatically". The engineer tries to resolve SRV records used by Jabber. DNS A record "expressway-e.example.com" points to the Expressway-E IP and "cucm.example.com" points to the Cisco Unified Communications Manager.
Which change resolves the DNS problem?

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

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

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

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

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

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.

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago
A _cisco-uds SRV cannot be included in a _collab-edge SRV record and vice-versa
upvoted 1 times

Collabinski 2 years ago
The following is an example of the _cisco-uds SRV record: _cisco-uds._tcp.example.com SRV service location: priority = 6 weight = 30 port = 8443 svr hostname = cucm3.example.com _cisco-uds._tcp.example.com SRV service location: priority = 2 weight = 20 port = 8443 svr hostname = cucm2.example.com _cisco-uds._tcp.example.com SRV service location: priority = 1 weight = 5 port = 8443 svr hostname = cucm1.example.com
upvoted 1 times

Collabinski 2 years ago
The following is an example of the _collab-edge SRV record: _collab-edge._tls.example.com SRV service location: priority = 3 weight = 7 port = 8443 svr hostname = vcse1.example.com _collab-edge._tls.example.com SRV service location: priority = 4 weight = 8 port = 8443 svr hostname = vcse2.example.com _collab-edge._tls.example.com SRV service location: priority = 5 weight = 0 port = 8443 svr hostname = vcse3.example.com

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/Windows/9_7/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide_chapter_010.html#CJAB_RF_S2C1A378_00

upvoted 1 times

khader09 4 years, 4 months ago

Remove the cisco-uds SRV record for the external DNS.

upvoted 4 times

Question #88 *Topic 1*

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

A. Create user accounts in Cisco Webex Control Hub only.

B. Create user accounts in Cisco Unified Communications Manager only.

C. Create user accounts in Cisco Unified IM and Presence.

D. Create user accounts in Cisco Unified CM and Cisco Webex Control Hub.

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

daniepad Most Recent 1 year, 1 month ago

Cisco Jabber Team Messaging Mode Cisco Jabber Team Messaging Mode is no longer supported, and all documentation is no longer available.

upvoted 1 times

jagifoto 1 year, 11 months ago

Answer is D.

upvoted 1 times

Collabinski 2 years ago

Prerequisites for Jabber Team Messaging Mode Installation: -Create user accounts in Unified Communications Manager. -Create user accounts in Cisco Webex Control Hub. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_7/cjab_b_deploy-jabber-team-messaging-mode127/cjab_b_deploy-jabber-team-messaging-mode127_chapter_01.html

upvoted 3 times

kc10boom 3 years, 2 months ago

A and D https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_7/cjab_b_deploy-jabber-team-messaging-mode127/cjab_b_deploy-jabber-team-messaging-mode127_chapter_01.html#reference_D52679AAB611676A42CA4EC335990695Sorry. It is D :)

upvoted 3 times

kc10boom 3 years, 2 months ago

A and D

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/12_7/cjab_b_deploy-jabber-team-messaging-mode127/cjab_b_deploy-jabber-team-messaging-mode127_chapter_01.html#reference_D52679AAB611676A42CA4EC335990695

upvoted 3 times

kc10boom 3 years, 2 months ago

Sorry. It is D :)

upvoted 4 times

khader09 4 years, 4 months ago

D is correct

upvoted 3 times

Question #89 *Topic 1*

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

A. The private CA certificate must be placed in the phone trust store

B. The Jabber client must register to the Cisco UCM internally before it will register externally

C. The device running the Jabber client must download and trust the private CA certificate

D. The device running the Jabber client must use a VPN to register

Suggested Answer: *C*
Official Answer: C

Community vote distribution
C (100%)

Collabinski Most Recent 2 years ago

• The certificates are signed by a CA that does not already exist in the trust store, such as a private CA. If so, you must import the private CA certificate to the Trusted Root Certification Authorities store. • The certificates are self-signed. If so, you must import self-signed certificates to the Enterprise Trust store. If the client cannot validate the certificate, it prompts you to confirm that you want to accept the certificate, and place it in its Enterprise Trust store. • The certificates are signed by a CA that does not already exist in the trust store, such as a private CA. If so, you must import the private CA certificate to the Trusted Root Certification Authorities store. https://www.cisco.com/c/en/us/support/docs/unified-communications/unified-presence/116917-technote-certificate-00.html

upvoted 3 times

Question #90 *Topic 1*

Refer to the exhibit. While troubleshooting Cisco Jabber login issues, there are some error messages.
Why is the Jabber client unable to sign in?

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

XmppSDK.dll #0, CXmppClient::onResourceBindError

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

A. down Cisco Unified Communications Manager server

B. XMPP bind failures

C. incorrect login credentials

D. service discovery issues

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

Collabinski Most Recent 2 years ago
Jabber Cannot Sign In Due to XMPP Bind Failure The Jabber client may be unable to sign in ("Cannot communicate with the server" error messages) due to XMPP bind failures. This will be indicated by resource bind errors in the Jabber client logs, for example: XmppSDK.dll #0, 201, Recv: XmppSDK.dll #0, CXmppClient::onResourceBindError XmppSDK.dll #0, 39, CTriClient::HandleDisconnect, reason:16 This typically occurs if the IM and Presence Intercluster Sync Agent is not working correctly. 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_01101.html#reference_623A88C6B5FE61B14DC2FF1BA293374
upvoted 1 times

AKREM86 2 years, 8 months ago
B https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X12-7/exwy_b_mra-deployment/exwy_m_mra-troubleshooting.pdf
upvoted 1 times

Question #91 *Topic 1*

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

A. The directory photo server FQDN must be added to the Expressway-C certificate

B. A search rule must be created to route the requests to Cisco UCM

C. A neighbor zone must be created to the directory photo server

D. The directory photo server must be added to the HTTP allow list

Suggested Answer: *D*

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

Community vote distribution

D (100%)

Collabinski Most Recent 2 years ago

Omitted has the correct link to refer to. Editing the HTTP Allow List You can add your own inbound rules to the HTTP Allow List if remote clients need to access other web services inside the enterprise. For example, these services may require you to configure the allow list: • Jabber Update Server • Cisco Extension Mobility • Directory Photo Host • Managed File Transfer • Problem Report Tool server • Visual Voicemail

upvoted 2 times

Omitted 2 years, 8 months ago

D is correct https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/config_guide/X14-0/mra/exwy_b_mra-deployment-guide-14/exwy_m_features-and-additional-configurations.html#reference_C1BA31BAEE0E02911B495FA5908DEB65

upvoted 2 times

Question #92 *Topic 1*

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

A. Cisco Webex Administration Tool

B. Cisco UCM

C. Cisco Webex Directory Connector

D. Cisco Unified IM and Presence Server

Suggested Answer: *A*

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

Community vote distribution

A (100%)

Collabinski Most Recent 2 years ago

Cisco WebEx Administration Tool provides a number of ways to create users for your organization. Procedure Step 1 - You can add users individually using the Cisco WebEx Administration Tool. For more information, see the New Users section of the Cisco WebEx Messenger Administration Guide. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/11_5/CJAB_BK_C83DE387_00_cloud-and-hybrid-deployments-cjab115/CJAB_BK_C83DE387_00_cloud-and-hybrid-deployments-cjab115_chapter_0100.pdf

upvoted 3 times

Question #93 *Topic 1*

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

A. Transparent Explicit Proxy

B. Transparent Inspecting Proxy

C. Reverse Proxy

D. Distorting Proxy

Suggested Answer: *B*
Official Answer: B

Community vote distribution
B (100%)

Collabinski Most Recent 2 years ago
B is correct
upvoted 2 times

Collabinski 2 years ago
The following proxy types are supported by Video Mesh: -Explicit Proxy (inspecting or non-inspecting) -None -Basic -Digest -NTLM -Transparent Proxy (non-inspecting) -Transparent Proxy (inspecting)
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_01.html
upvoted 2 times

Omitted 2 years, 8 months ago
I know many have already said B is correct. I just wanted to post a more recent document. A is wrong because "Transparent" Explicit Proxy does not exist. See the full list under step 2. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_011.html#task_EA0A06C26910D9AFA85F888F201F0B44
upvoted 3 times

chacthor 3 years ago
B is correct.

Book 300-820 page 422 Cisco officially supports the following proxy solutions that can integrate with your Webex Video Mesh Nodes: ■ Cisco Web Security Appliance (WSA) for transparent proxy ■ Squid for explicit proxy
upvoted 1 times

chacthor 3 years ago
B is correct. Book 300-820 page 422 Cisco officially supports the following proxy solutions that can integrate with your Webex Video Mesh Nodes: ■ Cisco Web Security Appliance (WSA) for transparent proxy ■ Squid for explicit proxyFor an explicit proxy or transparent inspecting proxy that inspects (decrypts traffic), you must have a copy of the proxy's root certificate that you will need to upload to the Webex Video Mesh Node trust store on the web interface.
upvoted 1 times

chacthor 3 years ago
For an explicit proxy or transparent inspecting proxy that inspects (decrypts traffic), you must have a copy of the proxy's root certificate that you will need to upload to the Webex Video Mesh Node trust store on the web interface.
upvoted 1 times

tilo1988 3 years, 1 month ago
In Cisco Naming for proxy types supported by VMN there is NO "Transparent Expicit Proxy" available. No "Reverse Proxy, and No "Distorting Proxy. Only one mentioned and supported "proxy type" on the link below is "transparent Insepected Proxy":
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_01.html Correct Answer is B (Transparent Proxy (inspecting))
upvoted 2 times

tilo1988 3 years, 1 month ago

see topic: "Requirements for Proxy Support for Webex Video Mesh" an following link:
https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_010.html

upvoted 1 times

rlcabrini 4 years ago

Correct (A): No Proxy—The default option before you integrate a proxy. No certificate update is required. Transparent Non-Inspecting Proxy—Video Mesh nodes are not configured to use a specific proxy server address and should not require any changes to work with a non-inspecting proxy. No certificate update is required. Transparent Inspecting Proxy—Video Mesh nodes are not configured to use a specific proxy server address. No http(s) configuration changes are necessary on Video Mesh; however, the Video Mesh nodes need a root certificate so that they trust the proxy. Inspecting proxies are typically used by IT to enforce policies regarding which websites can be visited and types of content that are not permitted. This type of proxy decrypts all your traffic (even https). Explicit Proxy—With explicit proxy, you tell the client (Video Mesh nodes) which proxy server to use, and this option supports several authentication types. After you choose this option, you must enter the following information:

upvoted 2 times

rlcabrini 4 years ago

Correct (C): No Proxy—The default option before you integrate a proxy. No certificate update is required. Transparent Non-Inspecting Proxy—Video Mesh nodes are not configured to use a specific proxy server address and should not require any changes to work with a non-inspecting proxy. No certificate update is required. Transparent Inspecting Proxy—Video Mesh nodes are not configured to use a specific proxy server address. No http(s) configuration changes are necessary on Video Mesh; however, the Video Mesh nodes need a root certificate so that they trust the proxy. Inspecting proxies are typically used by IT to enforce policies regarding which websites can be visited and types of content that are not permitted. This type of proxy decrypts all your traffic (even https). Explicit Proxy—With explicit proxy, you tell the client (Video Mesh nodes) which proxy server to use, and this option supports several authentication types. After you choose this option, you must enter the following information:

upvoted 1 times

Abhishek1610 4 years, 2 months ago

Option B. Transparent Inspecting Proxy

upvoted 4 times

khader09 4 years, 4 months ago

Transparent Proxy (inspecting)

upvoted 4 times

Question #94 *Topic 1*

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

A. The contact uses Cisco Webex Teams and Jabber and remains as Do not Disturb for 30 minutes.

B. The contact was using only Cisco Webex Teams and changed the status to Away.

C. The contact set Out of the Office for Cisco Webex Teams.

D. The other user has not used Cisco Webex Teams or Jabber within the last 72 hours, so they are offline.

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

Ol_Mykhailiuk Most Recent 1 year, 8 months ago

The other user has not used Webex App or Jabber within the last 72 hours. The Message Connector destroys the XMPP session it was holding for the offline user's Webex App.

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-message-deployment-guide_chapter_00.html

upvoted 1 times

Question #95 *Topic 1*

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

A. port 2222 from Expressway-E to Expressway-C

B. port 7001 from Expressway-C to Expressway-E

C. port 7001 from Expressway-E to Expressway-C

D. port 2222 from Expressway-C to Expressway-E

Suggested Answer: *D*

Official Answer: D

Community vote distribution

D (100%)

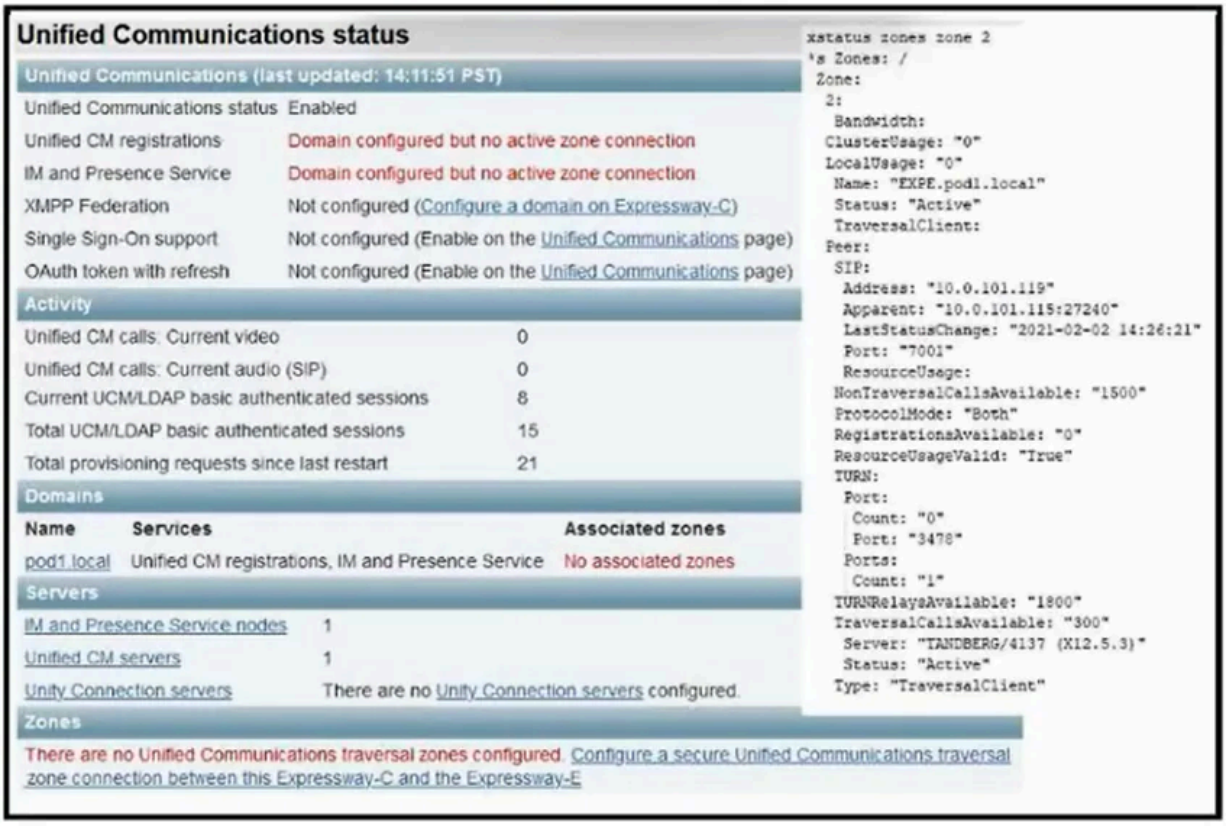
Ol_Mykhailiuk Highly Voted 1 year, 8 months ago

HTTPS (tunneled over SSH between C and E): TCP 2222 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_0100.html

upvoted 5 times

Question #96 *Topic 1*

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



A. No Cisco UCM servers are configured in the Expressway-C. Servers must be added for CallManager and IM and Presence services.

B. SIP is disabled on the Expressway-E. The SIP protocol must be enabled on the server.

C. Although a traversal client zone exists, there is no UC traversal client zone. One must be created.

D. Mobile and Remote Access login has not been enabled for the domain configured in the Expressway-C. The domain must be edited to allow Cisco UCM registrations.

Suggested Answer: *C*

Official Answer: C

Community vote distribution

C (100%)

Alex234 Most Recent 7 months ago

it is c

upvoted 1 times

Question #97 *Topic 1*

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

A. in the public DNS server

B. in DNS SRV settings under Cisco Unified OS Administration in Cisco UCM

C. in DNS settings in the Expressway-E on the interface that faces the Internet

D. in DNS settings under Cisco Unified OS Administration in Cisco UCM

Suggested Answer: *A*
Official Answer: A

Community vote distribution
A (100%)

Testme1235 Most Recent 1 year, 10 months ago
The DNS SRV record for _collab-edge_tls.cisco.com should be configured in the public DNS zone for the cisco.com domain. This record is used by Cisco Collaboration Edge services to provide secure remote access for mobile devices and other remote users. To configure the DNS SRV record, the administrator should create a new SRV record in the cisco.com domain's public DNS zone. The record should have the following attributes: Service: _collab-edge-tls Protocol: _tcp Name: _collab-edge_tls.cisco.com Priority: 1 Weight: 0 Port: 8443 Target: the FQDN (fully qualified domain name) of the Cisco Collaboration Edge server that will handle remote access requests
upvoted 3 times

Question #98 *Topic 1*

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

A. The Jabber clients using an outdated version.

B. The Unified Communications zone is down.

C. The firewall is blocking the port.

D. The certificate for Jabber is expired.

E. The SRV record for _cisco-uds is misconfigured.

Suggested Answer: *C, E*

Official Answer: CE

Community vote distribution

CE (100%)

iamnoone Most Recent 1 year, 5 months ago

https://community.cisco.com/legacyfs/online/jabber-mra-call_flow-detailed.pdf

upvoted 1 times

isharif 1 year, 8 months ago

https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#toc-hId-681856141 - "If port 8443 is not reachable, this is possibly because a security device (Firewall) blocks the port or a misconfiguration of the Default Gateway (GW) or Static routes in the Exp-E." Possible answers are BC. _cisco-uds is not relevant to MRA rather _collab-edge.

upvoted 3 times

Testme1235 1 year, 10 months ago

The two reasons that could be causing the Expressway-E to be unreachable on port 8443 from the internet are: C. The firewall is blocking the port: If the firewall is blocking port 8443, then traffic from the Jabber clients attempting to connect to the Expressway-E over this port will not be able to reach it. In this case, the firewall would need to be reconfigured to allow traffic on this port. E. The SRV record for _cisco-uds is misconfigured: The _cisco-uds DNS SRV record is used by Jabber clients to locate the Unified Communications Manager (CUCM) and other services. If this record is misconfigured, the Jabber client may not be able to connect to the Expressway-E or other services. The administrator should verify that the SRV record is configured correctly in the public DNS zone for the domain and that it resolves to the correct IP address for the Expressway-E.

upvoted 2 times

Ol_Mykhailiuk 2 years, 2 months ago

The _collab-edge SRV record should point to the Fully Qualified Domain Name (FQDN) of Expressway-E with port 8443. If the _collab-edge SRV is not created, or is not externally available, or if it is available, but port 8443 is not reachable, then the Jabber client fails to log in.
https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html

upvoted 1 times

preki10 2 years, 2 months ago

_collab-edge SRV is used to get to the Exp-E's and _cisco-uds SRV is used to get to CUCM from the Exp-C's. If _cisco-uds is misconfigured, the Jabber client won't be able to get to CUCM and register.Which documentation did you get this statement from?

upvoted 1 times

preki10 2 years, 2 months ago

Selected Answer: CE

_collab-edge SRV is used to get to the Exp-E's and _cisco-uds SRV is used to get to CUCM from the Exp-C's. If _cisco-uds is misconfigured, the Jabber client won't be able to get to CUCM and register.

upvoted 1 times

Collabinski 2 years ago

Which documentation did you get this statement from?

upvoted 1 times

Question #99 *Topic 1*

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

A. Set calls to unknown IP addresses to direct on the Cisco Expressways, and add a search rule on the Expressway-E

B. Set calls to unknown IP addresses to indirect on the Cisco Expressways, and add a search rule on the Expressway-E

C. Use search rules to manage calls to IP addresses, and the direct/indirect setting on the Expressway is used as a fallback only if the search rules do not exist

D. Set calls to unknown IP addresses to indirect on the Expressway-C and direct on the Expressway-E, and add a search rule on the Expressway-E

Suggested Answer: *D*
Official Answer: D

Community vote distribution
D (89%) A (11%)

Ol_Mykhailiuk Highly Voted 2 years, 2 months ago
Recommended configuration for firewall traversal https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.html
upvoted 8 times

Collabinski 2 years ago
Expressway always attempts to place calls to known IP addresses (provided there is a search rule for Any IP Address against the Local Zone). All other IP addresses are considered to be "unknown" and are handled by the Expressway according to the Calls to Unknown IP addresses setting: • Direct: The Expressway attempts to place the call directly to the unknown IP address without querying any neighbors. https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-0/exwy_b_cisco-expressway-administrator-guide/exwy_m_dial-plan-and-call-processing.htmlDisregard. Reading further into the Recommended configuration for firewall traversal section, I think Ol_Mykhailiuk is correct. The answer is D
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