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300-820^{Q&As}

Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)

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QUESTION 1

Cisco Expressways are being deployed for Mobile and Remote Access. The Expressway-E internal interface (LAN1) IP is 192.168.100.10/24, and the external interface (LAN2) IP is 172.16.100.10/24. The Expressway-C IP is 192.168.20.10/24. The default gateway for each subnet is the rst useable address. How must the Expressway-E be configured to allow proper routing to the internal and external networks?

A. IPv4 gateway: 172.16.100.1, and a static route for the 192.168.100.0/24 subnet using LAN1

B. IPv4 gateway: 192.168.100.1, and a static route for the 192.168.20.0/24 subnet using LAN1

C. IPv4 gateway: 192.168.100.1, and a static route for the 172.16.100.0/24 subnet using LAN2

D. IP v4 gateway: 172.16.100.1, and a static route for the 192.168.20.0/24 subnet using LAN1

Correct Answer: D

QUESTION 2

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

A. Mobile and Remote Access does not support OAuth with refresh with this configuration,

B. The default port for Mobile and Remote Access is 6001. Therefore, the traversal port must be port 6001 for Mobile and Remote Access to work.

C. The default port for Mobile and Remote Access is 6500, which creates a con ict with the existing traversal zone port.

D. The default port for Mobile and Remote Access is 5091, which creates a con ict with the existing SIP trunks.

Correct Answer: D

QUESTION 3

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".

![Pass2Lead](https://Pass2Lead.com)
```
Module="network.tcp" Level="DEBUG": Dst-ip="10.0.101.119" Dst-port="7002" Detail="TCP Connecting"
Module="network.tcp" Level="DEBUG": Dst-ip="10.0.101.119" Dst-port="7002" Detail="TCP Connection Established"
Event="Outbound TLS Negotiation Error" Service="SIP" Src-ip="10.0.101.115" Src-port="27161" Dst-ip="10.0.101.119"
    Dst-port="7002" Detail="Peer's TLS certificate identity was unacceptable" Protocol="TLS" Common-name="10.0.101.119"
```

Valid from	Friday, October 18, 2019 ...
Valid to	Sunday, October 17, 202...
Subject	expe.pod1.local, Systems...
Public key	RSA (4096 Bits)
Public key parameters	05 00
Enhanced Key Usage	Server Authentication (1....
Subject Alternative Name	DNS Name=expe.pod1.local
Subject Key Identifier	c7b28ee75e675005198f9...

Location

Peer 1 address: 10.0.101.119

SIP: Failed to connect to 10.0.101.119:7002 : TLS negotiation failure
Check the certificates for the traversal connection

Peer 2 address:
Peer 3 address:
Peer 4 address:
Peer 5 address:
Peer 6 address:

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

Correct Answer: C

QUESTION 4

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

A. standard SIP over TCP port 5060

B. signaling over HTTPS TCP port 443

C. standard SIP TLS over TCP port 5061

![Pass2Lead](https://Pass2Lead.com)
D. signaling over TCP port 444

Correct Answer: D

QUESTION 5

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

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

* replace a suing of \1@example.com

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

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

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

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

D. * transform with a pattern string of "(.*)@example.com(:5060)?"

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

Correct Answer: A

QUESTION 6

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

Correct Answer: B

QUESTION 7

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 IMandP

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

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

Correct Answer: D

QUESTION 8

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

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

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

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

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

Correct Answer: D

QUESTION 9

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.

Correct Answer: BD

QUESTION 10

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

A. Add a rule with the URL http://server1.example.com:80/ to the outbound HTTP allow list manually to allow pushing the new software to the clients.

B. Add a rule with the URL http://server1.example.com:80/ to the inbound HTTP allow list manually to allow access to

the new web server.

C. Add a rule with the server IP address 10.1.1.90 in the URL to the inbound HTTP allow list because server names and FQDNs are not supported.

D. Run an IM and Presence server discovery process on Expressway-C to add the new web server to the inbound HTTP allow list automatically.

Correct Answer: B

QUESTION 11

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

A. _cuplogin._tcp.cisco.com

B. _collab-edge._tls.cisco.com

C. _cisco-uds._tls.cisco.com

D. _cisco-uds._tcp.cisco.com

Correct Answer: B

QUESTION 12

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

Correct Answer: A

QUESTION 13

Refer to the exhibit.

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

Expressway-C Event Log shows the following:

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

Expressway-C server certificate shows the following decoded output:

Certificate:
    Data:
        Version: 3 (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
```

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

Which action resolves this error?

A. Configure the Expressway-C Traversal Client zone Peer 1 address with the fully qualified domain name of the Expressway-E.

B. Configure the Expressway-C Traversal Client zone transport protocol with TCP.

C. Add a server certificate to the Expressway-C that is signed by a certificate authority.

D. Add an intermediate certificate to the Expressway-C that is signed by a certificate authority.

Correct Answer: C

QUESTION 14

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.

Correct Answer: B

If Expressway-E Network Interface Controller (NIC) is incorrectly configured, this can cause the Extensible

Communications Platform (XCP) server to not be updated. https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/118798-technote-cucm-00.html#anc9

QUESTION 15

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.

Correct Answer: C

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