

Valid 300-820 Test Objectives, Best 300-820 Vce

Implementing Cisco Collaboration Cloud and Edge Solutions [CLCEI-300-820] is one of the Cisco CCNP Collaboration concentration exams, which you can choose to demonstrate your knowledge of collaboration cloud and edge solutions, including Cisco Unified I4, expressway configurations, and Cisco Webex Teams hybrid and emerging technologies. The actual Cisco 300-820 CLCEI exam is available in English language and lasts 90 minutes. Also, it is the qualifying exam of the Cisco Certified Specialist – Collaboration Cloud & Edge Implementation certification.

Read Cisco CCNP Collaboration CLCEI 300-820 Exam Objectives

- Describe the complications of NAT in a collaboration environment
- Describe the purpose of ICE, TURN and STUN
- Describe Expressway media traversal
- Describe protocol interworking on the Expressway
- Describe Expressway licensing
- Describe SIP media encryption mode
- Describe Expressway Core dial plan elements
- Describe key Expressway settings
- Describe Expressway backup and restore procedure (standalone and cluster)
- Configure key Expressway settings
- Configure Expressway Core dial plan elements
- Configure toll fraud prevention on Expressway series (no custom CPL scripts)
- Configure a Business to Business (B2B) collaboration solution
- Troubleshoot a Business to Business (B2B) collaboration solution
- Configure a Mobile and Remote Access (MRA) solution
- Troubleshoot a Mobile and Remote Access (MRA) solution
- Describe the signaling and media flows used in a Cisco Webex Video Mesh deployment
- Configure Webex Hybrid Services
- Describe the components of a Webex architecture
- Describe the administration functions in Webex
- Configure user management integration (directory services and SSO)

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Cisco 300-820 Domains to Nail

To attain a passing score in the Cisco 300-820 exam, the candidate must ace four exam domains and all the terms included in them. These exam objectives are as follows:

- **Configurations of Initial Expressway (25%)**

The second domain for the Cisco 300-820 test deals with Expressway initial arrangements. In particular, it will ask the entrant to configure various settings for the expressway that include DNS, network interfaces, certificates, clustering, QoS, and networking firewall regulations. Furthermore, it also includes the configuration of the core Expressway dial plan components such as transforms, search rules, zones, regular expression, and pipes & links. The candidate should also be capable of configuring the Expressway series with the help of prevention measures of toll fraud without CPL custom scripts. Next, this section of the real exam also deals with configuring B2B solution collaboration components that include Microsoft DNS records, Microsoft CA, traversal zones, neighbor zones, transforms, search rules, and the SIP integration for trunks. At last, such an area discusses how to troubleshoot the B2B solution as well as its elements.

- **Technologies of WebEx (25%)**

The final sector of 300-820 CLCEI exam consists of the concepts and configuration of the WebEx technologies of Cisco. So, in the first place, the entrant needs to be capable of describing the media flows in addition to signaling in the Cisco WebEx Video Mesh execution. In addition to that, this section includes the configuration of WebEx Hybrid/Connector Services that comprise the calendar services like Office 365, message services such as IM&P prerequisites, user WebEx assignment directory services, and bandwidth, endpoint, and clustering video mesh. Here, the applicant also needs to consider all the deployment requirements of the aforementioned services. Finally, this domain details the concept of Jabber offered by Cisco for Cloud & Hybrid installations.

- **Remote Access & Mobile (25%)**

This part of the official exam is all about remote access as well as various mobile solutions. It consists of questions regarding the configuration of mobile and remote access solutions or MRA for short. This includes components such as DNS record types, certificates, traversal zones for unified communications & the configuration on Expressway, HTTP allow lists, and the SIP trunk profile for security on the Unified Communications Manager of Cisco. The applicant should also be capable of troubleshooting the MRA solutions along with all its components like Microsoft CA, IM&P, Unity Connection, and Expressways if to mention a few.

- **Key Concepts (25%)**

The first portion of the final exam includes the key concepts of the collaboration solutions. This way, the candidate is expected to have a thorough understanding of the NAT concept in regards to Collaboration environments. It is also essential for you to know about STUN, ICE, and TURN as well as their purpose. This domain also expects the entrant to have knowledge about the Expressway for the Media Traversal and protocol networking on it. These protocols include H.323 SIP, IPv6, and IPv4. Furthermore, the applicant should be capable of describing Expressway Licensing and its components such as the Option keys, Release key, and license consumptions. The concept of SIP media for the encryption mode, the core Expressway dial plan, and their components will as well be tested in this section. Finally, such a scope touches on various important settings for Expressway such as DNS, network interfaces, certificates, QoS, clustering, and firewall rules. Overall, within such a topic, you'll get to know more about such concepts like Force encrypted/unencrypted, best effort, pipes, links, zones, and auto.

>> Valid 300-820 Test Objectives <<

2026 Latest 300-820: Valid Implementing Cisco Collaboration Cloud and Edge Solutions Test Objectives

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Cisco Implementing Cisco Collaboration Cloud and Edge Solutions Sample Questions (Q50-Q55):

NEW QUESTION # 50

Refer to the exhibit.

The image shows a screenshot of a Cisco IP configuration interface. The interface is titled 'IP' and shows a 'Cisco' logo. It has two main sections: 'LAN 1 - Internal' and 'LAN 2 - External'. Under 'LAN 1 - Internal', the configuration includes:

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

Under 'LAN 2 - External', the configuration includes:

- IPv4 address: 192.168.108.2
- IPv4 subnet mask: 255.255.255.0
- IPv4 subnet range: 192.168.108.0 - 192.168.108.255
- IPv4 static NAT mode: Off
- Maximum transmission unit (MTU): 1500

At the bottom left, there is a 'Save' button.

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

A)

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

B)

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

C)

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

D)

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

- A. Option B
- B. **Option D**
- C. Option C
- D. Option A

Answer: B

NEW QUESTION # 51

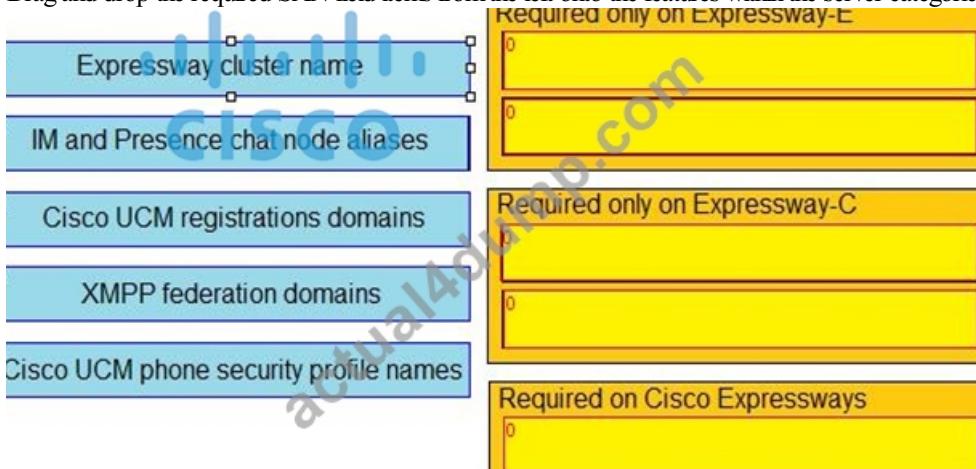
What is one of the user-related prerequisites for Jabber Team Messaging Mode Installation?

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

Answer: D

NEW QUESTION # 52

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



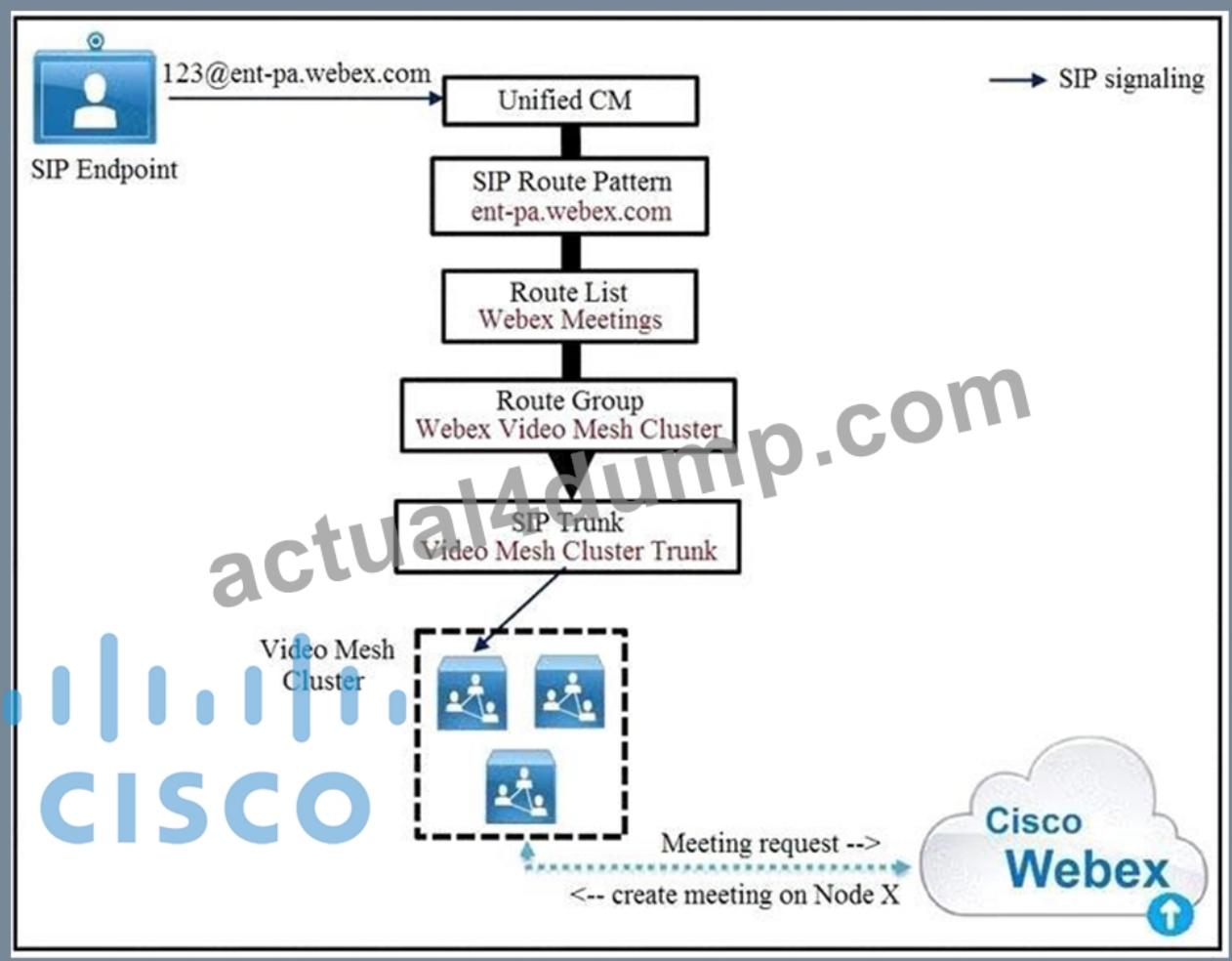
Answer:

Explanation:

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

NEW QUESTION # 53

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

Answer: A

NEW QUESTION # 54

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

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

Answer: B,C

NEW QUESTION # 55

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