



Free Questions for 300-420 by certscare

Shared by Rodriguez on 29-01-2024

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Question 1

Question Type: DragDrop

Drag and drop the steps WAN Edge performs when on-boarded into the Cisco SD-WAN overlay from the left into the order they are completed on the right.

Answer Area

Answer:

WAN Edge authenticates to vBond.

Step 1

WAN Edge establishes an OMP MP session to vSmart.

Step 2

WAN Edge establishes a secure connection to vManage and vSmart.

Step 3

WAN Edge establishes IPsec connections to other TLOC locations.

Step 4

Options:

An engineer must peer with an ISP for internet connectivity using BGP, initially, the engineer wants to receive only specific prefixes from the ISP and a default route. However, the solution must provide the flexibility to add prefixes in the future at short notice. The ISP has a two-week change process in place. Which route filtering solution must the engineer employ?

- A-** Request a limited internet routing table and a default route from the ISP and configure the BGP max-limit to 1 with an access list that permits only the specific internet prefixes and blocked networks
- B-** Request only the required prefixes and default route be advertised from the ISO with whitelisted networks
- C-** Request a full internet routing table and a default route from the ISP and configure inbound route filtering with a prefix list that permits the default route and required prefixes
- D-** Configure outbound route filtering on the enterprise and ISP so that the enterprise tell the ISP which prefixes are required

Answer:

C

Explanation:

anychange on the prefix list, engineer only need to update the preifx list and restart the BGP peer to the ISP. soft-reconfiguration inbound could be used to reduce down time of reset BGP peer, but it require lots of memory and in this case, connection to ISP and tons of route learnt will not be apporitated.

Question 3

Question Type: MultipleChoice

A company plans to transition to IPv6. They will link their IPv4 addresses to the lowest significant bits of the new Ipv6 addresses. A network administrator with an employee id: 4264:42:116 is preparing a mapping schema for the new IPv6 addresses. Which address does the 172.16.10.0/24 network translate to?

Options:

- A- 2001:db8:abcd::ac10:a00/120
- B- 2001:db8:abcd:172:16:10::/96
- C- 2001:db8:abcd:11d8:a00/120
- D- 2001:db8:ac10:0a00::/64

Answer:

B

Question 4

Question Type: MultipleChoice

Since installing a cisco TelePresence system, the company is experiencing other application having response issues when the system in use. As a result, the company asked an architect to recommend a QoS solution. The customer is currently using a CBWFQ policy to

manage traffic on an internet connection with a speed of 100 Mbps. Which link-capacity limit must the architect choose for strict-priority for the real-time traffic?

Options:

A- 25 Mbps

B- 50 Mbps

C- 33 Mbps

D- 75 Mbps

Answer:

C

Explanation:

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos_conmgt/configuration/xs-3s/qos-conmgt-xs-3s-book/qos-conmgt-overview.html#GUID-48F6AF58-5CCC-44A0-B868-125AE453FF2A%20%20%20%20%20%20\(75%20Mbps\)](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos_conmgt/configuration/xs-3s/qos-conmgt-xs-3s-book/qos-conmgt-overview.html#GUID-48F6AF58-5CCC-44A0-B868-125AE453FF2A%20%20%20%20%20%20(75%20Mbps))

The sum of all bandwidth allocation on an interface cannot exceed 75 percent of the total available interface bandwidth. The remaining 25 percent is used for other overhead, including Layer 2 overhead, routing traffic, and best-effort traffic. Bandwidth for the CBWFQ class-default class, for instance, is taken from the remaining 25 percent.

Question 5

Question Type: MultipleChoice

Which queuing structure is used on SD-WAN Edge routers?

Options:

- A- FIFO
- B- LLQ+WFQ
- C- 1P-4Q-2T
- D- Priority

Answer:

B

Explanation:

It uses a combination of low latency queuing (LLQ) and weighted fair queuing (WFQ) to prioritize critical traffic while still guaranteeing bandwidth for other traffic types. The LLQ portion of the queuing structure is used to prioritize certain types of traffic, while the WFQ portion is used to ensure that all traffic is serviced fairly. This queuing structure is used to make sure that critical traffic is not delayed or dropped, while still allowing for other traffic types to be serviced.

Question 6

Question Type: MultipleChoice

A company needs to increase access port capacity on one floor of a building. They want to leverage the existing catalyst access switch. There is no problem with uplink bandwidth capacity. However, no additional uplinks can be added because no ports are available on the distribution switches. Which solution must the company choose to provide additional access ports?

Options:

- A- VDC
- B- VSS
- C- Etherchannel
- D- Stackwise

Answer:

D

Question 7

Question Type: MultipleChoice

Which two functions is the Cisco SD-Access Edge Node responsible for? (Choose two.)

Options:

- A- Act as anycast layer 3 gateway
- B- Advertise EID subnets
- C- Map users to virtual network
- D- Act as LISP proxy tunnel router
- E- Route and transport IP traffic

Answer:

A, C

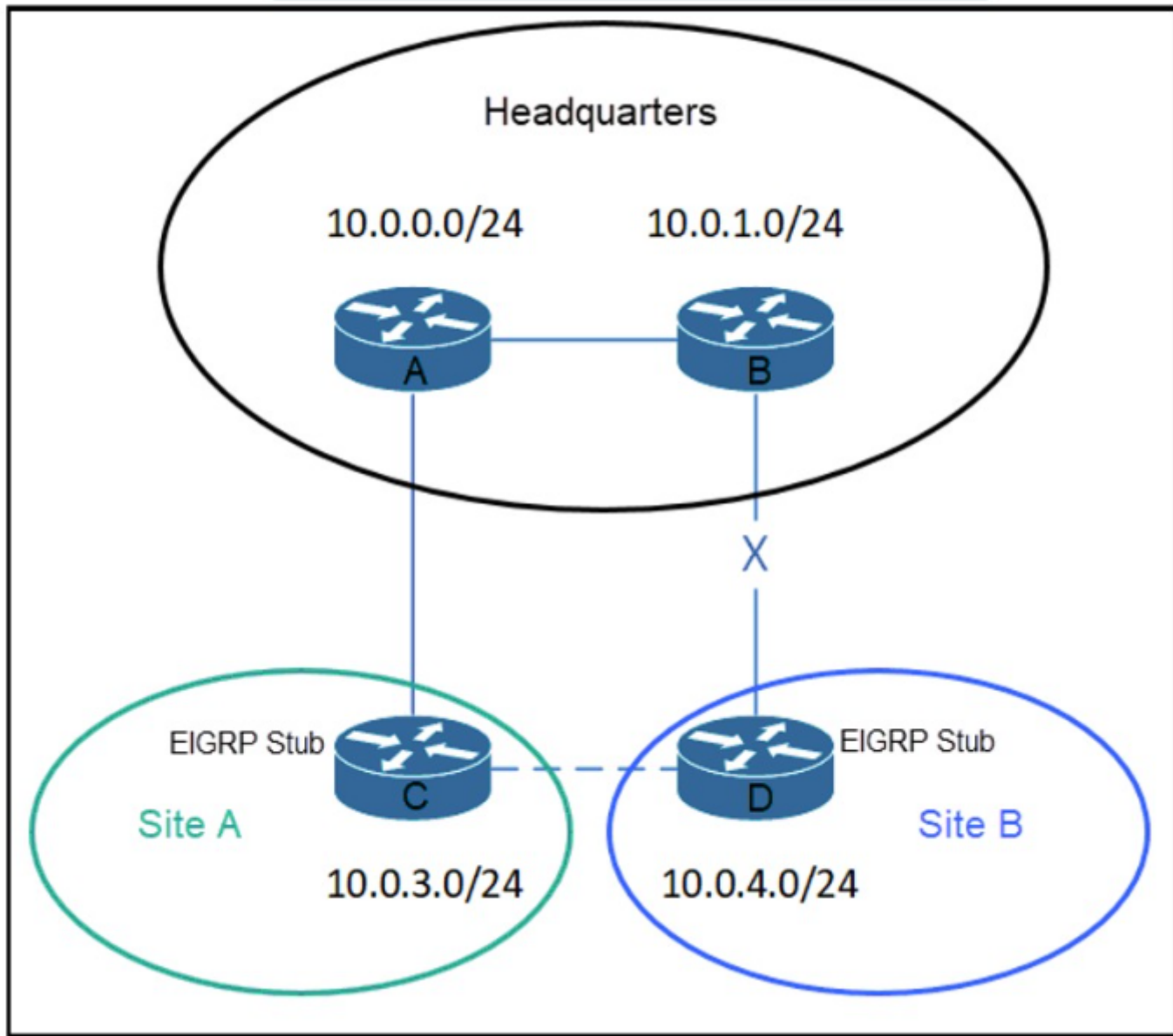
Explanation:

<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html#EdgeNode>

Question 8

Question Type: MultipleChoice

Refer to the exhibit.



An architect is designing a routing solution for a company. The new design will add a circuit routers C and D to protect against loss of connectivity to 10.0.4.0/24 during a link failure between routers B and D. Which solution must the architect choose?

Options:

- A- Stub connected
- B- Stub redistributed
- C- Stub receive-only
- D- Stub leak-map

Answer:

A

Question 9

Question Type: MultipleChoice

Which two overlay network design considerations must be made for a Cisco SD-Access network? (Choose two.)

Options:

- A- LAN automation for deployment
- B- Layer 3 to the access design
- C- Reduce subnets and simplify DHCP management
- D- Dedicated IGP process for the fabric
- E- Avoid overlapping IP subnets

Answer:

C, E

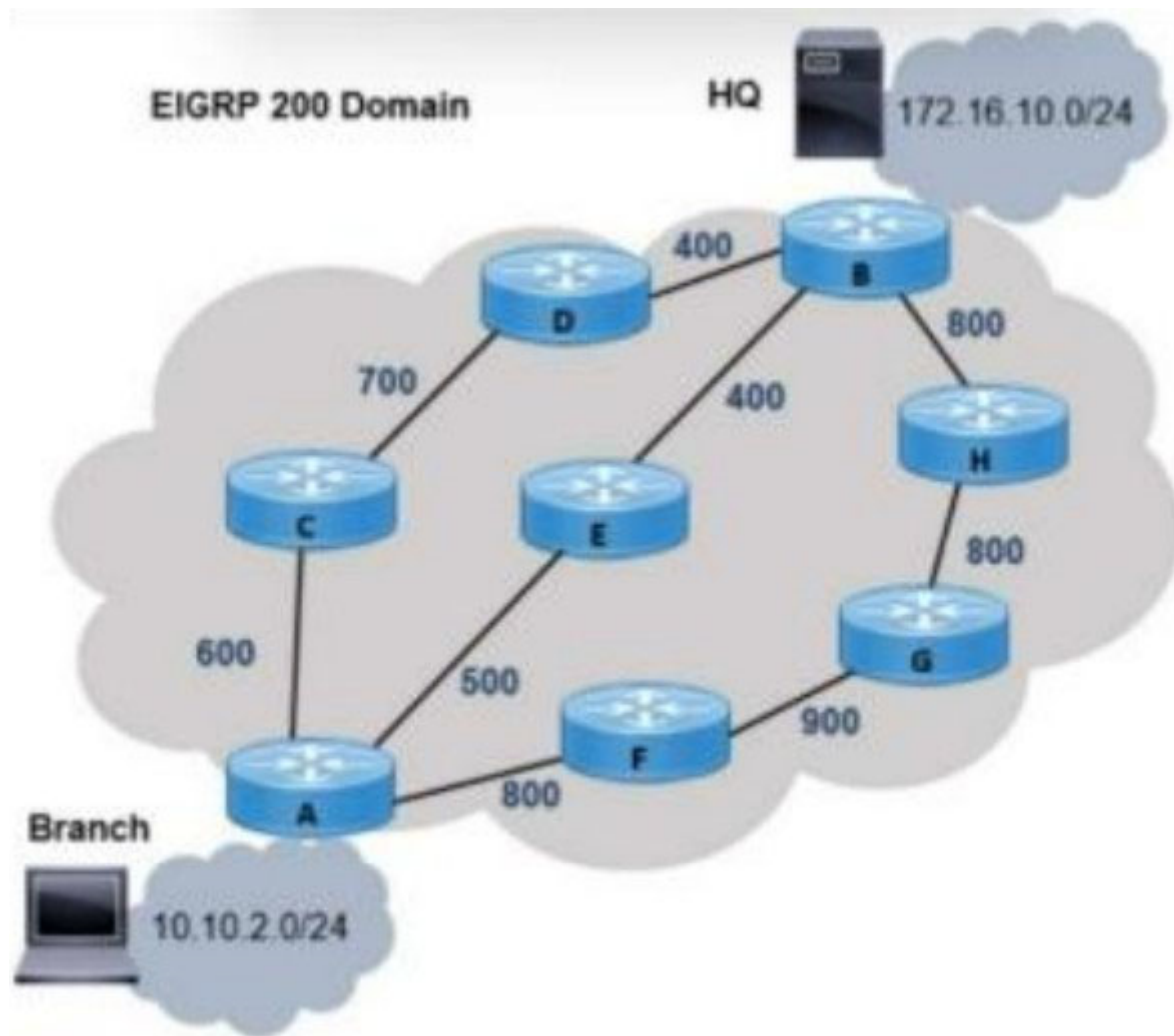
Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html#Overlay_Network_Design

Question 10

Question Type: MultipleChoice

Refer to the exhibit.



An architect is designing an EIGRP solution based on these requirements:

* Traffic forwarding should use the best two paths while all links are available

* Single path failure must not impact traffic between branch and HQ

Which solution must the architect select?

Options:

A- Maximum-paths 2

B- Add-paths 2

C- Metric weights 010100

D- Variance 2

Answer:

D

Explanation:

ENSLD cert guide page 113. shortest path = 900, next 1700 and finally 3300 for the worst path. With variance 2, all routes under 1800 (900x2) become active.

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