



Free Questions for 300-415

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Question 1

Question Type: MultipleChoice

What is the advantage of instating the controller on-premises?

Options:

- A- ease of deployment and management
- B- full control of the data piano and the control plane
- C- automatic geographical redundancy and security
- D- scalability and a cost-saving

Answer:

B

Explanation:

Deploying the SD-WAN controller on-premises offers several advantages, particularly in terms of control and customization.

1.Full Control of the Data Plane and the Control Plane: When the controller is deployed on-premises, the organization maintains complete control over both the data plane (traffic forwarding) and the control plane (network management and configuration). This allows for more granular control over network policies, security configurations, and performance optimizations.

1.Customization and Security: On-premises deployment allows organizations to customize their SD-WAN setup to meet specific security and compliance requirements. Sensitive data remains within the organization's control, which can be crucial for industries with strict data privacy regulations.

1.Operational Flexibility: Having the controller on-premises provides operational flexibility, enabling organizations to integrate the SD-WAN solution with existing network management tools and processes.

1.Reference:

oCisco SD-WAN Deployment Guide

oCisco SD-WAN On-Premises Controller Configuration Documentation

Question 2

Question Type: MultipleChoice

What do receivers request to join multicast streams in a Cisco SO-WAN network?

Options:

- A- IGMP membership reports directly with a multicast router.
- B- Multicast service routes with the vSmart controller
- C- IGMP membership reports directly with the vBond orchestrator.
- D- PIM messages with the nearest neighboring multicast router.

Answer:

B

Explanation:

In a Cisco SD-WAN network, multicast traffic management is handled differently compared to traditional IP multicast methods due to the nature of the overlay architecture.

1.Multicast Service Routes: In Cisco SD-WAN, multicast receivers use the vSmart controller to request multicast streams. This is done via multicast service routes which the vSmart controller manages. The vSmart controller is responsible for maintaining and distributing multicast routing information to all edge devices in the network.

1.Process:

oWhen a multicast receiver wants to join a multicast stream, it sends an IGMP join request.

oThe WAN Edge device forwards this request to the vSmart controller.

oThe vSmart controller then updates the multicast service routes to include the new receiver, ensuring that multicast traffic is appropriately forwarded to the joining receiver.

1.Reference:

oCisco SD-WAN Multicast Configuration Guide

oCisco SD-WAN vSmart Controller Documentation

Question 3

Question Type: MultipleChoice

An engineer must apply the configuration for certificate installation to vBond Orchestrator and vSmart Controller. Which configuration accomplishes this task?

- vpn 512
interface eth1
ip address 199.1.1.1/28
tunnel-interface
allow-service netconf
no allow-service ntp
no allow-service stun
- vpn 0
interface eth1
ip address 199.1.1.1/28
tunnel-interface
allow-service sshd
allow-service ntp
- vpn 512
interface eth1
ip address 199.1.1.1/28
tunnel-interface
allow-service sshd
allow-service netconf
- vpn 0
interface eth1
ip address 199.1.1.1/28
tunnel-interface
allow-service sshd
allow-service netconf
no shutdown



Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D



Answer:

D

Question 4

Question Type: MultipleChoice

A company deploys a Cisco SD-WAN solution but has an unstable Internet connection. When the link to vSmart comes back up, the WAN Edge router routing table is not refreshed, and some

traffic to the destination network is dropped. The headquarters is the hub site, and it continuously adds new sites to the SD-WAN network. An engineer must configure route refresh between WAN Edge and vSmart within 2 minutes. Which configuration meets this requirement?

- `omp`
`no shutdown`
`graceful-restart`
`timers`
`eor-timer 120`
- `omp`
`no shutdown`
`no graceful-restart`
- `omp`
`no shutdown`
`graceful-restart`
`timers`
`holdtime 120`
- `omp`
`no shutdown`
`graceful-restart`
`timers`
`advertisement-interval 120`

P2P
exams

Options:

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

P2P
exams

Answer:

A, A

Question 5

Question Type: MultipleChoice

Which protocol detects path status (up/down), measures loss/latency/jitter, and measures the quality of the IPsec tunnel MTU?

Options:

- A- OMP
- B- IP-SLA
- C- BFD
- D- DTLS

Answer:

C



Question 6

Question Type: MultipleChoice

Which queue must an engineer configure for control and BFD traffic for convergence on a WAN Edge router?

Options:

- A- queue 0
- B- queue 1
- C- queue 2
- D- queue 7

Answer:

C



Question 7

Question Type: MultipleChoice

How is a TLOC uniquely identified from a WAN Edge router to the SD-WAN transport network?

Options:

- A- system IP address
- B- VPN ID
- C- OMP
- D- SD-WAN site ID

Answer:

A



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