

➤ **Vendor: Cisco**➤ **Exam Code: 300-415**➤ **Exam Name: Implementing Cisco SD-WAN Solutions (ENSDWI)**➤ **New Updated Questions from [Braindump2go](#) (Updated in [Jan/2021](#))****Visit Braindump2go and Download Full Version 300-415 Exam Dumps****QUESTION 65**

Which two services are critical for zero touch provisioning on-boarding? (Choose two.)

- A. EMAIL
- B. SNMP
- C. AAA
- D. DHCP
- E. DNS

Answer: DE**Explanation:**https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Configuration/Templates/SNMP

To configure SNMPv3 users, in the User section, click Add New User and enter the following parameters:

Parameter Name	Description
User	Enter a name of the SNMP user. It can be 1 to 32 alphanumeric characters
Authentication Protocol	Select the authentication mechanism for the user: <ul style="list-style-type: none">• MD5—Use message digest 5.• SHA—Use SHA-2 message digest.

QUESTION 66

Which protocol is used to measure loss, latency, jitter, and liveliness of the tunnel between WAN Edge router peers?

- A. OMP
- B. NetFlow
- C. BFD
- D. IP SLA

Answer: C**Explanation:**<https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2019/pdf/TECCRS-2014.pdf>**QUESTION 67**

Which two algorithms authenticate a user when configuring SNMPv3 monitoring on a WAN Edge router? (Choose two.)

- A. AES-256
- B. SHA-1
- C. AES-128
- D. MD5

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E. SHA-2

Answer: DE

QUESTION 68

Drag and Drop Question

Drag and drop the definitions from the left to the configuration on the right.

grouping of VPNs where the data traffic flows originate	destination zone
grouping of VPNs where the data traffic flows terminate	source zone
matching condition that allows traffic flow between two zones	firewall policy
container that associates forwarding and blocking decisions	zone pair

Answer:

	grouping of VPNs where the data traffic flows terminate
	grouping of VPNs where the data traffic flows originate
	matching condition that allows traffic flow between two zones
	container that associates forwarding and blocking decisions

QUESTION 69

In the Cisco SD_WAN solution, vSmart controller is responsible for which two actions? (Choose two.)

- A. Distribute crypto key information among vEdge routers
- B. Configure and monitor vEdge routers.
- C. Authenticate and authorize vEdge routers.
- D. Distribute the IP address from DHCP server to vEdge routers.
- E. Distribute route and policy information via OMP.

Answer: AE

Explanation:

<https://www.sccug.net/wp-content/uploads/2019/05/Cisco-SDWAN-Deep-Dive.pdf>

vSmart controllers:

- Distribute reachability and security information between the vEdge routers
- Distribute data and app-route policies from vManage to vEdges. Enforce control policies.
- Perform best-path calculation for non ECMP routes and advertise best route to the vEdges (second best too, if configured)

Control Plane**vSmart**

- Centralized brain of the solution
- Establishes OMP Peering with vEdges
- Acts like Route Reflector
- Enables central control and central data policy creation and distribution:
 - TE
 - Service Chaining
 - Hub and spoke
 - Partial or full mesh
- Orchestrates secure data plane connectivity between the edges

QUESTION 70

A network administrator is configuring QoS on vEdge 5000 router and needs to enable it on the transport side interface. Which policy setting must be selected to accomplish this goal?

- A. Application
- B. Netflow
- C. Cloud QoS Service side
- D. Cloud QoS

Answer: D

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/configcmd.html#wp6721725270>

policy cloud-qos—Enable QoS scheduling and shaping for traffic on WAN interfaces (applicable to Cisco vEdge Cloud, Cisco vEdge 5000, and Cisco ISR1100 routers).

policy cloud-qos-service-side—Use this command along with the policy cloud-qos command to enable QoS scheduling and shaping for traffic on LAN interfaces (applicable to Cisco vEdge Cloud, Cisco vEdge 5000, and Cisco ISR1100 routers).

QUESTION 71

In an AWS cloud, which feature provision WAN Edge routers automatically in Cisco SD-WAN?

- A. Cloud app
- B. Cloud OnRamp
- C. vAnalytics
- D. Network Designer

Answer: B

Explanation:

Cisco Cloud onRamp for IaaS is a feature that automates connectivity to workloads in the public cloud from the data center or branch. It automatically deploys WAN Edge router instances in the public cloud that become part of the SD-WAN overlay and establish data plane connectivity to the routers located in the data center or branch. It extends full SD-WAN capabilities into the cloud and extends a common policy framework across the SD-WAN fabric and cloud. Cisco Cloud onRamp for IaaS eliminates traffic from SD-WAN sites needing to traverse the data center, improving the performance of the applications hosted in the public cloud. It also provides high availability and path redundancy to applications hosted in the cloud by deploying a pair of virtual routers in a transit VPC/VNET configuration, which is also very cost effective.

<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/cisco-sdwan-design-guide.html>

QUESTION 72

What is the purpose of "vpn 0" in the configuration template when onboarding a WAN edge node?

- A. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart and vBond
- B. It carries control out-of-bond network management traffic among the Viptela devices in the overlay network.
- C. It carries control traffic over secure IPsec connections between vSmart controllers and vEdge routers, and between vSmart and vManager
- D. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart and vBond

Answer: D

Explanation:

Configure the VPN 0 network interface with IP address, tunnel interface with encapsulation and color, and routing (dynamic or default route). Only upon configuring the tunnel interface will the WAN Edge device use DTLS/TLS to establish the secure control plane connections to the SD-WAN controllers, and subsequently, IPsec to establish the secure data plane connections with the WAN Edge devices in the network.

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sd-wan-wan-edge-onboarding-deploy-guide-2020jan.pdf>

QUESTION 73

Which device in the SD-WAN solution receives and categorizes event reports, and generates alarms?

- A. WAN Edge routers
- B. vSmart controllers
- C. vManage NMS
- D. vBond controllers

Answer: C

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/Monitor-And-Maintain/monitor-maintain-book/m-alarms-events-logs.html>

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/vmanage/vmanage-how-tos-18-4-1.pdf>

QUESTION 74

A network administrator is bringing up one WAN Edge for branch connectivity. Which types of tunnels form when the WAN edge router connects to the SD-WAN fabric?

- A. DTLS or TLS tunnel with vBond controller and IPsec tunnel with vManage controller.
- B. DTLS or TLS tunnel with vBond controller and IPsec tunnel with other WAN Edge routers.
- C. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with other Edge routers.
- D. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with vBond controller.

Answer: C

QUESTION 75

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When a WAN Edge device joins the SD-WAN overlay, which Cisco SD-WAN components orchestrates the connection between the WAN Edge device and a vSmart controller?

- A. vManage
- B. vBond
- C. OMP
- D. APIC-EM

Answer: B

Explanation:

vBond functions:

1. vBond is the orchestrator and the gatekeeper.
2. vBond validates that the vEdge trying to join the overlay is authorized to join or not.
3. vBond Orchestrates the connectivity between vEdge routers and vSmart controllers.
4. Ensures that valid vEdge routers can build the control plane connectivity.
5. vEdge builds temporary connectivity with vBond until the vEdge forms connectivity with the vSmart.

<https://www.prosdn.com/viptela-cisco-sd-wan-components-overview/>