

## [2021-January-NewBraindump2go 300-415 PDF and 300-415 VCE 300-415 85 Free Offer[Q52-Q76

2021/January Latest Braindump2go 300-415 Exam Dumps with PDF and VCE Free Updated Today! Following are some new 300-415 Real Exam Questions!  
**QUESTION 52**Two sites have one WAN Edge each. Each WAN Edge has two public TLOCs with no restrict configured. There is full reachability between the TLOCs. How many data tunnels are formed on each Edge router?  
 A. 6  
 B. 2C. 4D. 8  
**Answer:** C  
**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/sdwan-cr-book\\_chapter\\_0100.html#wp1675287742](https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/sdwan-cr-book_chapter_0100.html#wp1675287742)

**QUESTION 53**Which command on a WAN Edge device displays the information about the colors present in the fabric that are learned from vSmart via OMP?  
 A. show omp peers  
 B. show omp route  
 C. show omp sessions  
 D. show omp tlocs  
**Answer:** D  
**Explanation:**

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-dia-deploy-2019nov.pdf>  
**QUESTION 54**In which VPN is the NAT operation on an outgoing interface configured for direct Internet access?  
 A. 0B. 512C. 10D. 1  
**Answer:** A  
**Explanation:**

[https://vmanage\\_ip\\_address/dataservice/system/device/{{model}}](https://vmanage_ip_address/dataservice/system/device/{{model}})  
 B. [http://vmanage\\_ip\\_address/dataservice/system/device/{{model}}](http://vmanage_ip_address/dataservice/system/device/{{model}})  
 C. [http://vmanage\\_ip\\_address/api-call/system/device/{{model}}](http://vmanage_ip_address/api-call/system/device/{{model}})  
 D. [https://vmanage\\_ip\\_address/api-call/system/device/{{model}}](https://vmanage_ip_address/api-call/system/device/{{model}})  
**Answer:** A  
**Explanation:**

[https://sdwan-docs.cisco.com/Product\\_Documentation/Command\\_Reference/Command\\_Reference/vManage\\_REST\\_APIs/vManage\\_REST\\_APIs\\_Overview/Using\\_the\\_vManage\\_REST\\_APIs](https://sdwan-docs.cisco.com/Product_Documentation/Command_Reference/Command_Reference/vManage_REST_APIs/vManage_REST_APIs_Overview/Using_the_vManage_REST_APIs)  
**QUESTION 55**Which API call retrieves a list of all devices in the network?  
 A. [https://vmanage\\_ip\\_address/dataservice/system/device/{{model}}](https://vmanage_ip_address/dataservice/system/device/{{model}})  
 B. [http://vmanage\\_ip\\_address/dataservice/system/device/{{model}}](http://vmanage_ip_address/dataservice/system/device/{{model}})  
 C. [http://vmanage\\_ip\\_address/api-call/system/device/{{model}}](http://vmanage_ip_address/api-call/system/device/{{model}})  
 D. [https://vmanage\\_ip\\_address/api-call/system/device/{{model}}](https://vmanage_ip_address/api-call/system/device/{{model}})  
**Answer:** A  
**Explanation:**

[https://sdwan-docs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_18.2/Maintenance/Software\\_Repository](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Maintenance/Software_Repository)  
**QUESTION 57**When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)  
 A. To be downloaded over an ICMP connection  
 B. To be downloaded over a SNMP connection  
 C. To be downloaded over a control plane connection  
 D. To be downloaded over an out-of-band connection  
 E. To be downloaded over a SMTP connection  
**Answer:** C  
**Explanation:**

[https://sdwan-docs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_18.2/Maintenance/Software\\_Repository](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Maintenance/Software_Repository)  
**QUESTION 58**Which logs verify when a device was upgraded?  
 A. ACLB. EmailC. SNMPD. Audit  
**Answer:** D  
**QUESTION 59**Drag and Drop Question

Drag and drop the functions from the left onto the correct templates on the right.

VPN 512	ro
VPN 10	tra
organization name	ser
VPN 0	system

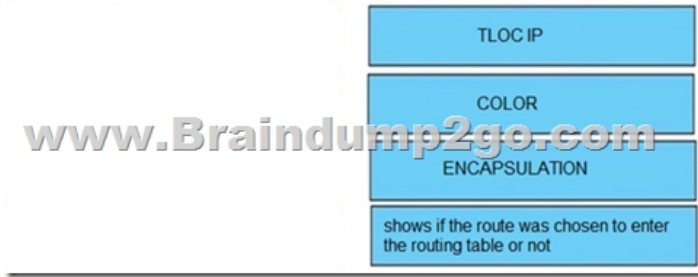
**Answer:**

route-map
VPN 0
VPN 10
organization name

**QUESTION 60**Drag and Drop Question  
 Drag and drop the route verification output from show omp tlocs from the left onto the correct explanations on the right.

shows if the route was chosen to enter the routing table or not	system ID
ENCAPSULATION	attribute of WAN link
COLOR	type of tunnel being used
TLOC IP	TLOC route status

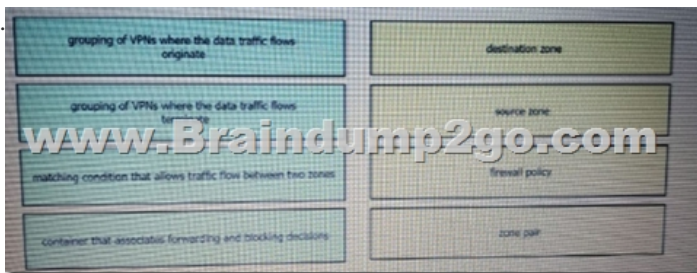
Answer:



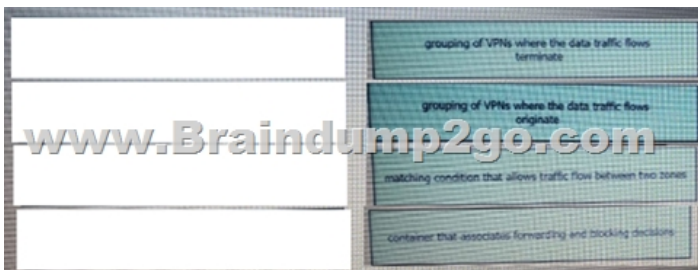
QUESTION 61 Which Cisco SD-WAN component provides a secure data plane with remote vEdge routers? A. vManage B. vSmart C. vBond D. vEdge  
 Answer: D  
 QUESTION 62 Which two platforms can host a vEdge Cloud Router? (Choose two.) A. Microsoft Azure B. Dreamhost C. AWS D. DigitalCloud E. Google  
 Answer: AC  
 QUESTION 63 What are the two advantages of deploying cloud-based Cisco SD-WAN controllers? (Choose two.) A. centralized control and data plane B. infrastructure as a service C. management of SLAD. centralized raid storage of data E. distributed authentication policies  
 Answer: AB  
 Explanation: Cloud-based Cisco SD-WAN controllers means all SD-WAN controllers, which include vManage, vBond and vSmart, are hosted on cloud while only the data plane (vEdges) are located at the customer side.  
 QUESTION 64 Which two image formats are supported for controller codes? (Choose two.) A. .nxos B. .qcow2 C. .iso D. .ova E. .tgz  
 Answer: BD  
 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](https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Configuration/Templates/SNMP)

To configure SNMP  
 Parameter Name  
 WWW  
 Authentication Pr

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 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.



Answer:



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  
 - Perform best-path calculation for the best too, if configured

## Control Plane



- Centralized brain of the solution
- Establishes OMP Peering with vEdges
- 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 70A 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. ApplicationB. NetflowC. Cloud QoS Service sideD. Cloud QoSAnswer: DExplanation:

<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 71In an AWS cloud, which feature provision WAN Edge routers automatically in Cisco SD-WAN?A. Cloud appB. Cloud OnRampC. vAnalyticsD. Network DesignerAnswer: BExplanation:

Cisco Cloud onRamp for IaaS is a feature that automates connectivity to workloads in the public cloud from the branch. It automatically deploys WAN Edge router instances in the public cloud that become part of the SD-WAN. It establishes data plane connectivity between the routers located in the data center or branch, extends full SD-WAN capabilities to the cloud, and provides high availability and path redundancy to applications hosted in the applications in the cloud. It also provides high availability and path redundancy to applications hosted in the cloud by deploying 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 72What 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 vBondB. It carries control out-of-bond network management traffic among the V1ptela devices in the overlay network.C. It carries control traffic over secure IPsec connections between vSmart controllers and vEdge routers, and between vSmart and vManagerD. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart and vBondAnswer: 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 with the WAN Edge device use DTLS/TLS to establish the secure 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 73Which device in the SD-WAN solution receives and categorizes event reports, and generates alarms?A. WAN

Edge routersB. vSmart controllersC. vManage NMSD. vBond controllersAnswer: CExplanation:

<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 74A 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: CQUESTION 75When 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. vManageB. vBondC. OMPD. APIC-EMAnswer: BExplanation: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/>QUESTION 76Which component of the Cisco SD-WAN secure extensible network provides a single pane of glass approach to network monitoring and configuration?A. APIC-EMB. vSmartC. vManageD. vBondAnswer: CExplanation:

Cisco vManage offers a single pane of glass for all management, monitoring, and troubleshooting aspects of the Cisco SD-WAN solution.

<https://www.cisco.com/c/dam/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-06-cisco-sd-wan-ebook-cte-en.pdf>Resources

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