

➤ **Vendor:** Cisco

➤ **Exam Code:** 300-415

➤ **Exam Name:** Implementing Cisco SD-WAN Solutions (ENSDWI)

➤ **New Updated Questions from** [Braindump2go](#) (**Updated in** [Jan/2021](#))

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QUESTION 49

Which configuration allows users to reach YouTube from a local Internet breakout?

- A. VPN 10
ip route 0.0.0.0/0 vpn 0
VPN 0
interface Gig1/1
nat
- B. VPN 10
ip route 0.0.0.0/0 vpn 0

C. policy
data-policy DPI
vpn-list vpn10
sequence 10
match
app-list YouTube
destination-port 80 443
!
action accept
count Youtube
!
default-action accept
!
lists
vpn-list vpn10
vpn 10
!
app-list YouTube
app youtube
app youtube_hd
!
site-list Remote
site-id 14
site-id 15
!
!
!
apply-policy
site-list Remote
data-policy DPI from-transport

vpn 10
ip route 0.0.0.0/0 vpn 0

D. policy
data-policy DPI
vpn-list vpn10
sequence 10
match
app-list YouTube
!
action drop
count Youtube
!
default-action accept
!
lists
vpn-list vpn10
vpn 10
!
app-list YouTube
app youtube
app youtube_hd
!
site-list Remote
site-id 14
site-id 15
!
apply-policy
site-list Remote
data-policy DPI from-transport

vpn 10
ip route 0.0.0.0/0 vpn 0

Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-dia-deploy-2020aug.pdf>

To configure DIA, we must:

- + Configure a NAT DIA route (via the command "ip route 0.0.0.0/0 vpn 0") under a service VPN (VPN 10, for example)
- + Configure a NAT interface under VPN 0 for DIA.

QUESTION 50

Which feature template configures OMP?

A.

Section	Parameter	Type	Variable/value
Basic configuration	Number of paths advertised per prefix	Global	16
	Radio	Global	Off
	Static	Global	Off

B.

Section	Parameter	Type	Variable/value
Server	Hostname/IP Address	Global	10.4.48.13
	VPN ID	Global	1
	Source interface	Global	loopback0

C.

Section	Parameter	Type	Variable/value
Authentication	Authentication Order	Drop-down	local
Local	User/admin/Password	Device Specific	user_admin_passwd

D.

Section	Parameter	Type	Variable/value
Basic configuration	VPN	Global	512
	Name	Global	Management VPN
IPv4 Route	Prefix	Global	0.0.0.0/0
	Gateway	Radio button	Next Hop
	Next Hop	Device Specific	vpn512_mgt_next_hop_ip_addr

Answer: A

QUESTION 51

Refer to the exhibit. Which configuration change is needed to configure the tloc-extension on Branch1-Edge1?

#Branch1-Edge1

```
vpn 0
!
interface ge0/1
 ip address
172.17.113.241/28
 tunnel-interface
 encapsulation ipsec
 color mpls restrict
!
no shutdown
!
interface ge0/2.704
 ip address 10.113.4.2/30
 tloc-extension ge0/2
```

#Branch1-Edge2

```
vpn 0
...
interface ge0/2
 no shutdown
!
interface ge0/2.704
 ip address 10.113.4.1/30
 tunnel-interface
 encapsulation ipsec
 color mpls restrict
 mtu 1496
 no shutdown
!
ip route 0.0.0.0/0 10.113.4.2
```

- A. interface ge0/2.704
ip address 10.113.4.1/30
tunnel-interface
encapsulation ipsec
color mpls restrict
no shutdown
- B. interface ge0/2.704
ip address 10.113.4.2/30
mtu 1496
tloc-extension ge0/1
- C. interface ge0/2.704
ip address 10.113.4.2/30
mtu 1496
tloc-extension ge0/2
- D. interface ge0/2.704
ip address 10.113.4.1/30
tunnel-interface
encapsulation ipsec
color mpls restrict
mtu 1496
tloc-extension ge0/2
no shutdown

Answer: B

Explanation:

With above configuration, only Branch1-Edge2 router sends traffic to Branch1-Edge1 router if the main route to MPLS fails (as only Edge2 has the default route to Edge1). Therefore we have to configure the TLOC Extension under subinterface ge0/2.704 of Branch1-Edge1 with the command "tloc-extension ge0/1".

Note: We change the mtu to 1496 to accommodate for the dot1q tag.

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. 2
- C. 4
- D. 8

Answer: C

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/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/sdwan-cr-book_chapter_0100.html#wp1675287742

QUESTION 54

In which VPN is the NAT operation on an outgoing interface configured for direct Internet access?

- A. 0
- B. 512
- C. 10
- D. 1

Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-dia-deploy-2019nov.pdf>

QUESTION 55

Which API call retrieves a list of all devices in the network?

- A. https://vmanage_IP_address/dataservice/system/device/{{model}}
- B. http://vmanage_IP_address/dataservice/system/device/{{model}}
- C. http://vmanage_IP_address/api-call/system/device/{{model}}
- D. 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

QUESTION 56

Which template configures the out-of band management VPN?

- A.
- | Section | Parameter | Type | Variable/value |
|---------------------|----------------|-----------------|-------------------------------|
| Basic configuration | Shutdown | Global | No |
| | Interface Name | Global | loopback0 |
| IPv4 configuration | IPv4 Address | Radio button | Static |
| | IPv4 Address | Device Specific | vpn1_lo0_int_ip_addr/maskbits |
- B.
- | Section | Parameter | Type | Variable/value |
|---------------------|----------------|-----------------|---------------------------------|
| Basic configuration | Shutdown | Global | No |
| | Interface Name | Device Specific | vpn512_mgt_int_mgmt0_or_gex/x |
| | Description | Global | Management Interface |
| IPv4 configuration | IPv4 Address | Radio button | Static |
| | IPv4 Address | Device Specific | vpn512_mgt_int_ip_addr/maskbits |
- C.
- | Section | Parameter | Type | Variable/value |
|---------------------|-----------|-----------------|-----------------------------|
| Basic configuration | VPN | Global | 512 |
| | Name | Global | Management VPN |
| IPv4 Route | Prefix | Global | 0.0.0.0/0 |
| | Gateway | Radio button | Next Hop |
| | Next Hop | Device Specific | vpn512_mgt_next_hop_ip_addr |
- D.
- | Section | Parameter | Type | Variable/value |
|---------------------|----------------|-----------------|--------------------------------|
| Basic configuration | Shutdown | Device Specific | vpn1_lan_int2_shutdown |
| | Interface Name | Device Specific | vpn1_lan_int2_gex/x |
| IPv4 configuration | Description | Device Specific | vpn1_lan_int2_description |
| | IPv4 Address | Radio button | Static |
| | IPv4 Address | Device Specific | vpn1_lan_int2_ip_addr/maskbits |

Answer: C

Explanation:

Select Devices: All except vManage and vSmart

Template: VPN/VPN

Template Name: VPN512_Template

Description: VPN 512 Out-of-Band Management

2. Configure the parameters in the following table.

VPN512 feature template settings

Section	Parameter	Type	Variable/value
Basic Configuration	VPN	Global	512
	Name	Global	Management VPN
IPv4 Route/New IPv4 Route	Prefix	Global	0.0.0.0/0
	Gateway	Radio button	Next Hop
	Next Hop	Device Specific	vpn512_mgt_next_hop_ip_addr

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/SD-WAN-End-to-EndDeployment-Guide.pdf>

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: CD

Explanation:

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. ACL
- B. Email
- C. SNMP
- D. 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	routing policy
VPN 10	transport VPN
route-map	management VPN
organization name	service VPN
VPN 0	system information

Answer:

	route-map
	VPN 0
	VPN 512
	VPN 10
	organization name

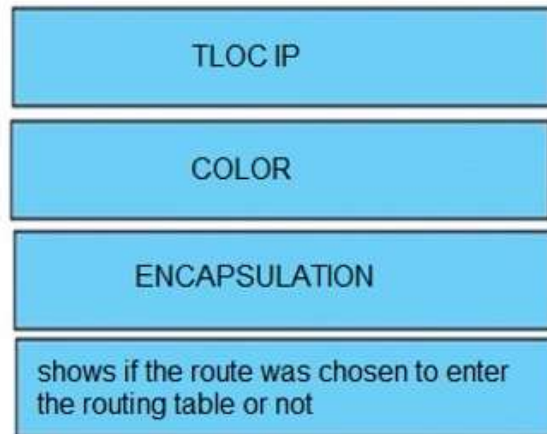
QUESTION 60

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 SLA
- D. 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